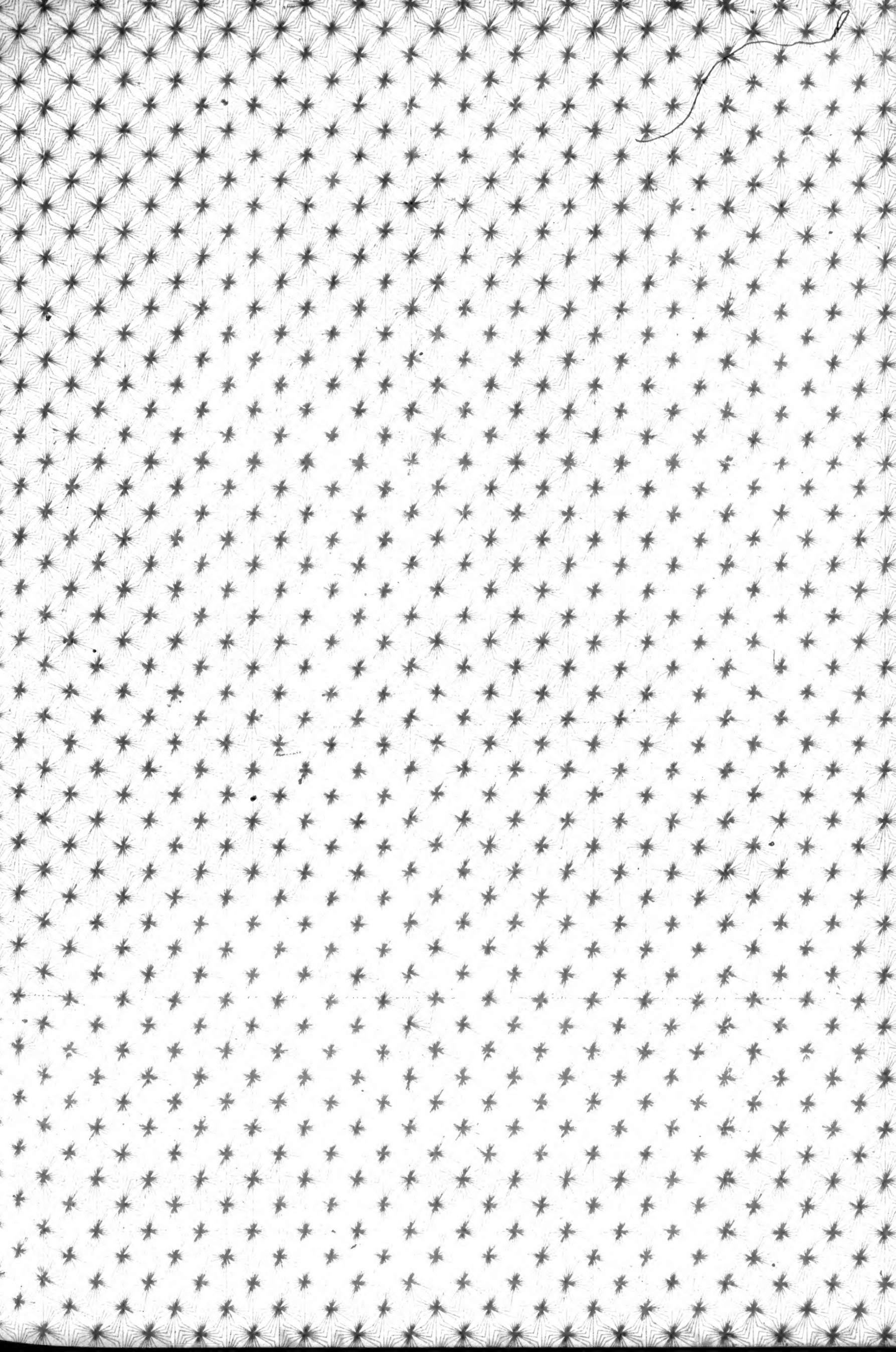


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FLORISTS' REVIEW

FLORISTS' PUBLISHING CO., 520-535 Caxton Building, CHICAGO.

Vol. XII.

CHICAGO AND NEW YORK, MAY 28, 1903.

No. 287.

THIS SPACE BELONGS TO THE
F. R. PIERSON COMPANY

SEE OUR ADV. OF
Nephrolepis Piersoni
ON PAGE 31.

..SEEDS..

Asparagus Plumosus Nanus. \$1.00 per 100.
7 50 per 1000.
FINE PEDIGREED STRAIN of *Primula Sinensis*, double
and single mixed.
Primula Obconica Grandiflora.
Cyclamen Persicum Grandiflorum, per trade package, \$1.00.
Cash with order.
1000 KAISERINS, 2-in. pots, \$3.50 per 100; \$35.00 for the 1000.

WM. F. KASTING,
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KENNICOTT BROS. CO.

SEE DECORATION DAY PRICE LIST ON PAGE 10.

40-42-44 East Randolph Street.

CHICAGO.

DECORATION DAY.

We have an immense cut of **Carnations, Roses, Peonias** and **Gladioli** for above date at Chicago market rates.

Send your orders to us and be assured of fresh and fancy stock properly packed at moderate prices. Our long **Beauties** are superb.

Commercial Chrysanthemums, rooted cuttings, Bonnaffon, yellow; Ivory, white; Agnes Dalskov, pink, \$10.00 per 1000.

Chicago Carnation Co., - Joliet, Ill.

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PRICES GOOD UNTIL JUNE 3rd ONLY
and if stock unsold on receipt of order.

WIRED TOOTHPICKS:
Box of 10,000. \$1.50

Sheep Manure, pulverized, guaranteed analysis of 3/4 p. c. Ammonia, 1 1/4 p. c. Phos-
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TOBACCO DUST, fresh stock \$1.75 per 100 lbs.
TOBACCO STEMS, in bales of about 100 lbs 1c per lb.

Full line of Glazing Tools,
Putty and White Lead.

Always refer to special offers in **FLORISTS' REVIEW** when ordering.
LET US FIGURE ON YOUR FALL BULBS. WE CAN SAVE YOU MONEY.

W. W. BARNARD & CO., Seedsmen, - 161-163 Kinzie Street, CHICAGO.

TUBEROSES

The TRUE **DWARF Excelsior Pearl.**

Extra fine stock, 4 to 6 inches in circumference, \$7.00 per 1000.

Good flowering Stock, 3 to 4 inches in circumference, \$3.00 per 1000.

Prices hold good while stock on hand.

JUST ARRIVED — A fine lot of Standards and Pyramidal BAY TREES, LATANIAS, PHOENIX, KENTIAS, etc., in all sizes and prices.

Further particulars given by

F. W. O. Schmitz, Prince Bay, N.Y.

Mention The Review when you write.

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Asparagus Sprengeri, fresh crop.....	100	1000
" " Decumbens, finest NOVELTY.....	.20	\$1.00
Pandanus n. ilis.....	1.00	7.50
Areca lutescens.....	.85	7.50
Phoenix canariensis (True).....	.75	6.00
reclinata.....	.30	2.50
rupicola.....	.40	3.00
Primula sinensis fimbriata, in pure white, blood red, crimson, rose, white with yellow eye, blue.....	.25	1.75
All colors Primula mixed.....	.20	1.50
Cineraria hybrida grandiflora, max, pkt., 25c; 5 pkts., \$1.00. Cineraria hybrida grandiflora, dwarf, pkt., 25c; 5 pkts., \$1.00.		

PANSY SEED — the choicest — the best — **BERGER'S NEVER FAIL.** 1000 seeds, 25c; 5000, \$1.00. This mixture is put up by ourselves and contains the cream of growers' stock.

Address **H. H. BERGER & CO.**

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Mention the Review when you write.

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CHINESE PRIMROSE Finest grown, large flowering, fringed, single and double, 15 varieties, mxd., 500 seeds, \$1.00; half-pkt., 50 cts.

CINERARIA. Finest large-flowering, dwarf, mixed, 1000 seeds, 50 cts.

PRIMULA OBCONICA Grandiflora. The finest large-flowering, 1000 seeds, 50 cts.

DAISY. Double Giant, white and rose, mixed or separate, 1000 seeds, 25 cts.

GIANT PANSY SEED.

The best large-flowering varieties, critically selected, 5000 seeds, \$1.00; half-pkt., 50 cts.

Cash. A packet of the new ever-blooming forget-me-not "Constance" added to every order.

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The Home of Primroses.

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H. Bayersdorfer & Co.

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1928 Germantown Avenue, PHILADELPHIA, PA.

WAX FLOWERS,

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Pure Bone Meal for

The above brand has no superior.

It is pure ground bone, unsteamed, and guaranteed free from acids and is sold at as low rates as many of the steamed and hence inferior brands. This can be used with absolute safety in all greenhouse culture and especially in your rose benches.

25 lbs.....	\$0.60	200 lbs.....	\$ 3.50
50 lbs.....	1.00	1000 lbs.....	15.00
100 lbs.....	2.00	2000 lbs. (ton).....	27.50

Guaranteed analysis and sample sent on request.

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Leading Florists' Supply House and Ribbon Specialists.

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Galax Leaves and all Decorative Greens.

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Importer, Jobber and Manufacturer of

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Italian Bleached Wheat. A very large domestic and imported stock of Metal Goods. Moss Wreaths, Cape Flowers, Immortelles, Chenille, Tin Foil, Doves, Baskets, Sheaves, Vases, Jardinieres, Fern Dishes, Novelties, etc. Inspection solicited. 108 West 28th Street, near 6th Avenue. NEW YORK.

Use DUNNITE

According to directions, and cease suffering from Black Spot or Insects on any of your Rose Plants. Write for prices and further particulars to

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Mention The Review when you write

JOHN SCOTT,

Keap St. Greenhouses, Brooklyn, N. Y.

Headquarters for **BOSTONS**

Fine "PIERSONI" in 2 1/4-inch pots.

The Cottage Gardens' Collection of Cannas. Grand stock. Send for particulars.

Mention The Review when you write.

Dracæna Indivisa!

4-inch pots, 10c; 5-inch pots, 20c each.

Hydrangea, pink and blue, 2 1/4-inch pots. E. Crocker carnation; Jerusalem Cherry, 2 1/4-inch pots; Baby Primroses, 2 1/4-inch pots; Japanese Peppers, \$2.50 per 100; Baby Primroses, 3-inch pots, \$4.00 per 100. **Strong, Clean Stuff.**

M. F. LaROCHE, Collingdale, Pa.

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Florists' Review

When Writing Advertisers

Fuchsia "Little Beauty"

The grandest Fuchsia ever introduced to the trade.

Will produce five times as many flowers as any other Fuchsia in commerce. It is an ever-bloomer. Makes an ideal pot plant for market sales.

We have the largest and finest stock in the land of this wonderful blooming plant in several sizes.

Price—2 1/4-inch.....\$5.00 per 100.
3-inch.....7.00 "
4-inch.....10.00 "

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The S. Alfred Baur Co.

Terms: Cash or reference. **ERIE, PA.**

New Crop Native Ferns

Now Ready. Try sample lot at 50c per 1000. Fine lot **Fancy Ferns**, \$1.50 per 1000. **Galax**, bronze or green, 75c per 1000. **Moss**, 50c per bbl. sack. **Laurel Festooning**, No. 1 quality, fresh every day, 4c, 5c and 6c per yard. **Laurel Wreaths** and pine wreaths, just what you want for your Memorial Day trade. Order them now and your Ferns and you will be sure to get the best to be had when you want them and on time. **Ground Pine** by the lb. if wanted.

Long Distance Telephone connection.



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Florists' Review

When Writing Advertisers



Five Hundred Dollar Basket of Beauties, Orchids and Gardenias,
Arranged by Mackintosh, New York.

ROSES.

Seasonable Hints.

For the first fifteen days after planting, each plant should be watered individually. This is best done by slowly filling the depression around the neck of the plant. By that time the moisture from around each plant will have spread sufficiently far to meet.

If the soil is in good condition and rich, there will be a luxuriant crop of weeds to take care of. These should be removed and the soil in the bench be allowed to become moderately dry and, if the soil is of a fibrous or friable nature, it should be made firm by treading, taking care not to go too near the neck of the plant. The soil should then be stirred to the depth of an inch, ruffled and made level and then given a good soaking. This is one of the most essential points in rose culture. To gain the full advantage of the growing season, cultivation should be practiced once a week and no other work should keep us from this most important duty.

After the surface has been ruffled and made as even as possible, overhead watering may be resorted to; that is, the whole surface of the soil should be watered.

As syringing must be practiced frequently and a good deal of force is required to do it efficiently, staking will have to be attended to so that the young stock may be able to keep an upright

position. If grafted stock is used this should be attended to immediately after planting, as the scion is apt to be detached from the stock by the force of water from the syringe.

To keep the stock vigorous and hardy ventilation will have to be carefully attended to. Ample ventilation on all bright days and at night when the weather will permit, will give the stock a constitution that will enable it to outgrow many of the diseases and fungoid enemies that would easily destroy stock which is neglected in these particulars.

I recently received an inquiry regarding the amount of shade young roses should have and this shows that the old fallacy is not entirely extinct. After roses leave the cutting bench or grafting frame and have begun to show that the roots are working, they require no shade, for the rose is a real sun lover, and any shading applied to the glass is detrimental to the health of the plants.

Greenfly, red spider and mildew are the most troublesome enemies, and will require careful watching. Other enemies, such as slugs and the hairy caterpillar, will also require attention, as these can do quite a bit of damage in a few hours among the fresh and toothsome foliage.

RIBES.

TROUBLE WITH ROSES.

Please let me know the cause of white spots on my young rose plants, and the remedy for same. I have them in a

house where the temperature is 80 to 90 degrees by day and 50 to 60 degrees at night. I find little green worms under the leaves.

P. J. K.

From the meager data given I am unable to give anything like a satisfactory reply. Had he forwarded an affected leaf, and one of the worms I would have had a chance to diagnose his case correctly.

The spots may be caused by the depredations of this worm, which may be, and likely is, the ordinary rose slug (*monostegia rosea*) which is the larva of a four-winged sawfly and is closely related to the imported currant worm. They have a small, round, yellowish head with a black dot on each side of it, and have twenty-four short legs. The body is green above, paler at the sides and is almost transparent. They eat the upper skin of the leaf in irregular blotches, leaving the veins and skin beneath untouched.

Syringing with the hose every bright day will wash them off. If sufficient force is used, this is the best remedy. Spraying or dusting with hellebore powder or Persian insect powder will also destroy them.

The day temperature is too high. From 70 to 80 degrees is all that is good for them so long as the weather will permit.

RIBES.

SOIL FOR ROSES.

I am sending you two samples of soil. Will you please tell me which of the two is most suitable for roses? Would the two together, mixed, be of value?

E. R. T.

If soil like sample No. 1 can be had from pasture land, with a good sod, and is properly composted, there is little doubt but that it can be made to produce good roses. The proportion of manure should be one part to four of soil. Sample No. 2 is not of any use as a rose soil, nor would it improve any other soil by admixture.

RIBES.

ROSES AT ST. LOUIS.

A rose garden planned to eclipse the Chicago and Buffalo displays has been prepared at the St. Louis World's Fair. Thirty exhibitors have sent their stock and four acres have been planted.

This rose garden, the planting of which was begun early in April, occupies one of the conspicuous sites. The center of the garden is at the main entrance to the Palace of Agriculture, a grand structure 1,600 feet long and 500 feet deep. It is on a high elevation, overlooking the group of main buildings of the exposition.

When the graders finished their work and turned the site over to the gardeners, every vestige of soil had been removed, and a broad expanse of sticky, yellow clay remained. The ground was platted with a series of eight collections, forming a great oval, 150 feet long and 100 feet wide, as the central picture. In the center of this oval is erected a statue of the goddess of flowers, in heroic size. Flanking this oval on the north and south, are two great collections, triangular in form. Scores of other collections laid out in plots of ground in various shapes, but all conforming with the general harmony of the main picture, have been provided. A belt of green lawn, from four to eight feet wide, surrounds each exhibit.

For each exhibit an excavation eighteen inches deep, of the form and size

required for the collection, was dug in the sticky clay soil. Then the excavations were filled in with rich top soil and sandy loam and a dressing of fertilizer was worked in. Good growth has already been made. Most of the sorts planted are hardy here with very slight protection in winter.

The planting was done under the personal supervision of Joseph H. Hadkinson, who under Frederic W. Taylor, Chief of Horticulture, has charge of this outdoor exhibit.

CARNATION NOTES—EAST.

Compressed Air.

I am not in the habit of writing to any great extent on theory, but as the subject of compressed air has come up, you will please bear with me while I make some suppositions and ask a few questions regarding its use in the carnation house. After what has been said, the first question would seem to be whether warm or perfectly cold air should be employed.

Now what, may I ask, is perfectly cold air? When speaking of heat and cold, we generally define the degree of either by the Fahrenheit system of measuring temperature. The term perfectly cold would seem to infer as cold as possible, but I cannot believe that to be Mr. Capers' intention in his article of last week.

For illustration, what, in your opinion, would be the effect of a blast of air at a temperature of 40 degrees among a bench of Lawson plants in a house where the thermometer stood at 70 degrees?

Heavy syringing as usual in the rose house is generally accepted by carnation growers as harmful, in that the bluish sheen is removed from the foliage.

It is probably unnecessary for me to tell you that the effect of warm and cold air coming suddenly in contact, is to produce moisture. In view of this, would not a stream of air at 40 degrees, driven with sufficient force to dislodge red spider on plants in a temperature of 70 degrees, with the moisture produced be apt to remove the bloom from the foliage?

It makes much difference in the effect of the application of water to the foliage when the manner of applying is considered. A gentle shower over the plants on mornings of bright days is very beneficial, but rose growers, of course, are differently inclined from no matter of choice.

It is not my object to criticise Mr. Capers' views, for he frankly states he is not well versed in the carnation; besides, there is another side to the question and I believe there is some merit in the use of compressed air and later shall endeavor, if the subject is further discussed, to bring out its possible advantages.

Seasonable Notes.

Plants in the field require close attention at this time in the matter of topping, as the foundation of the future plant must now be laid. This applies especially to those which were once or twice topped in the house.

Particular attention should be paid to those varieties inclined to come in crops. Topping at frequent intervals, instead of making a one day job of it once in two weeks or so, will tend to make the blooms come along more con-

tinuously. I do not say more flowers will be produced during the season, but do claim the same number produced continuously during several months is more conducive to better average prices than to have a glut one week followed by a scarcity for several weeks following.

Cultivation between the rows with a hand cultivator and also with a hand hoe around the plants must be kept up to break the surface soil, which becomes packed or crusted by rain or heavy dews.

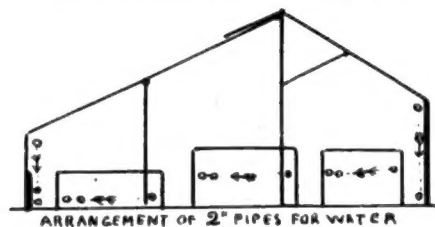
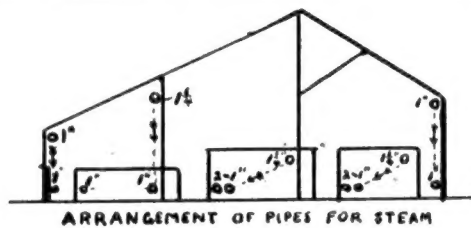
GEO. S. OSBORN.

GLOXINIAS.

Will you kindly outline for me the culture of gloxinias, from planting the bulbs to flowering time? R. E. L.

This inquiry reminds me that it was on this very subject some twelve years ago that I volunteered a few remarks in the floricultural press. If they had been rejected, how much more time I would have had to attend base ball, and how few of my brother florists I should have known, so I am glad things are as they are.

Any lengthy remarks on the culture of gloxinias would be now rather unseasonable, as there is now nothing left but summer care. Gloxinias are easily raised from seed, but make only small bulbs the first year, and the retail grower can



do much better by buying the one-year-old bulbs from a firm that makes a specialty of raising them. They can be started in 3-inch pots in February or later. They are really a summer-flowering plant and make a fine window or conservatory plant when flowering plants are rather scarce in July and August. Use a rather light soil, with well rotted manure or leaf mold added. When the leaves about cover the pot the plant should be shifted into a 5-inch, the flowering pot. Let the soil be a good loam with a third leaf mold, and if you can't get that, then old, rotted hot-bed mold will do. They are not particular about soil. They want air, and if you want to do them real well, after they are shifted into the flowering pot, stand each plant on another inverted pot. Never spray them, and avoid as much as possible wetting the foliage. They are a tropical plant, and from the starting of the bulb until the resting time in fall and winter the temperature should not be below 50 degrees. It is a rather particular plant about water. If allowed to get dry the flowers wilt and that ends them, and if overwatered they get rusty. Careful watering and just a subdued light, but not a heavy shade are the most particular points in their culture.

WILLIAM SCOTT.

DUTCH HYACINTHS FOR FORCING.

Will you please give the names of the Dutch hyacinths of each color that are best suited for forcing. Last year I left this to the seedsman, but noticed some of his assortment forced a great deal better than others. I would like to have some ready by the middle of February, and some at Easter. F. S.

There is not much choice as to earliness among the hyacinths, but some varieties, if forced for February flowers, would have very short stems. In the first place, don't bother with the yellows at all and force only the single varieties. Here are half a dozen in each color that will fill the bill, all splendid varieties:

Red and rose, Baron Van Tuyll, rose; Gertrude, deep rose; Gigantea, blush; Lord Macaulay, bright red; Norma, pink; Roi de Belges, deep red.

White, Albertine, Baroness Van Tuyll, Grand Vedette, L'Innocence, Mme. Van der Hoop and La Grandesse, all pure white.

Blue, Charles Dickens, pale blue; Czar Peter, porcelain; Grand Lilas, porcelain; King of the Blues, dark blue; Grand Maitre, pale blue; Pieneman, deep porcelain.

King of the Blues is one of the finest hyacinths of its color but should not be forced before March.

WILLIAM SCOTT.

PIPING.

In reply to the inquiry of Boston Subscriber, for the effective heating of the carnation house 200x23 which he describes in sketch accompanying his inquiry, using steam heat, he will require ten lines of 1-inch pipe and three lines of 1½-inch pipe arranged as shown in the accompanying cut. If hot water be used, using 2-inch pipes, fourteen lines, as shown in the accompanying sketch, will be required. The arrangement of the main depends largely on the location of the boiler and the direction and extent of any grade within the house.

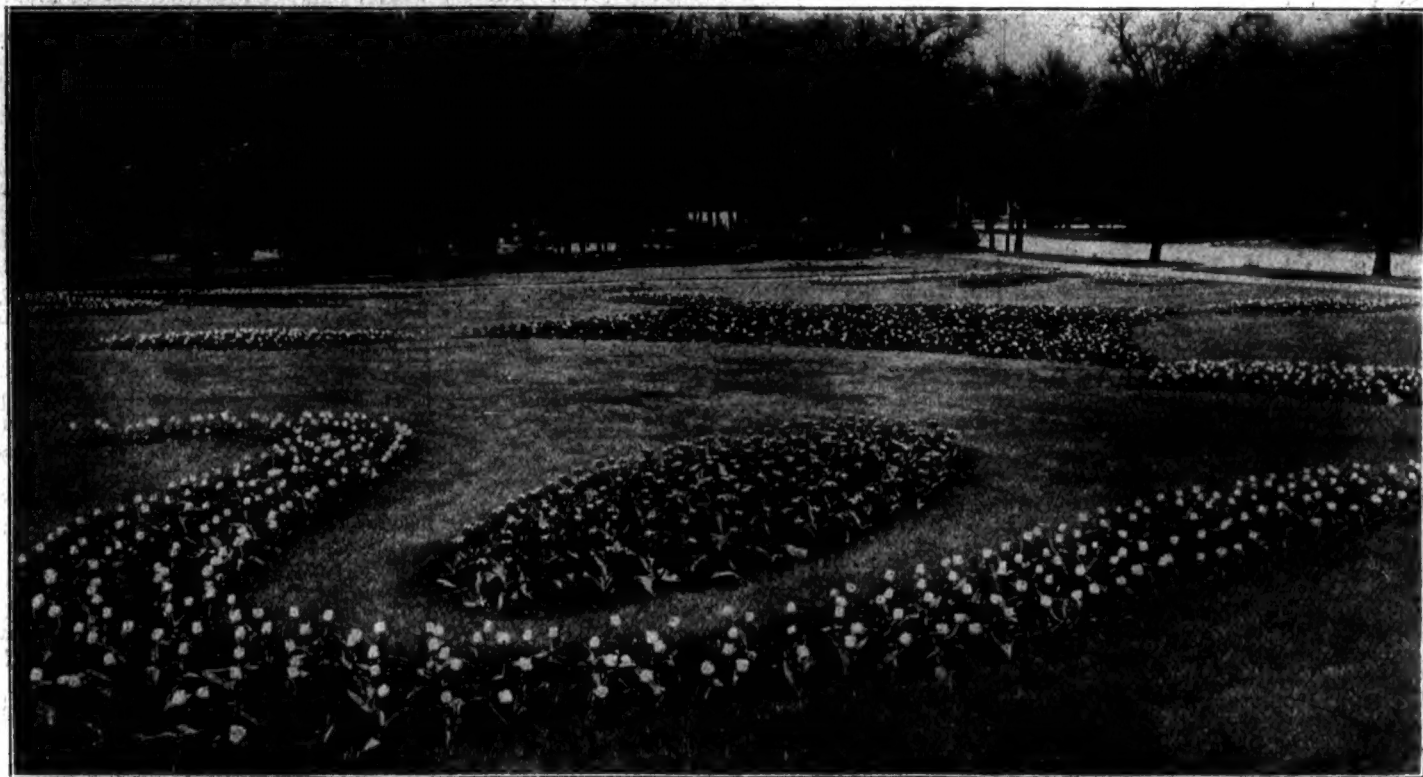
HENRY W. GIBBONS.

Miami, Fla.

RETARDING NARCISSUS AND VALLEY.

What is the best method of retarding Paper White narcissus bulbs for late planting? Will they stand cold storage? Would like to know the proper temperature to keep lily of the valley pips in cold storage, also the method of forcing same. S. S. P.

The proper temperature in which to keep lily of the valley roots during summer to retard them is about 29 or 30 degrees. If a degree above the freezing point, they will start, and if kept too cold for any length of time, they lose their strength and the flower spike will perish. S. S. P. asks "also method of forcing same." Does he mean flowering them during summer, which is the reverse of forcing, or winter forcing? If the latter is meant, then I must refer him to the pages of the REVIEW of last December, where he will find the subject in detail. If summer forcing is meant, it is simply to put the roots in six inches of sand, shade the glass over them, and don't let any draughts from doors be near them. Give them, of course, plenty of water, keeping the water away from the bells after they are turning white.



Tulip Beds at Humboldt Park, Chicago, in 1903. A Departure from the Usual Forms of Beds.

Now about the Paper White narcissus. We have never tried to keep them after the winter months and will candidly say that I don't ever expect to, because it would never pay. It's entirely different with these true bulbs, like hyacinths, narcissus and tulips, because they must be rooted before they will flower. Some years ago we had a fancy that a batch of Von Sion narcissus would be very useful for Memorial day, and so they proved, but somehow we seem to have more flowers at our disposal nowadays and can do without them.

Here is how I managed to have the Von Sion on May 30. They were put in flats in October just the same as those we forced during winter. About the first of April, or before they had felt the influence of spring and the growth of the bulbs was perhaps two inches above the soil, the flats were removed to a neighbor's ice house. The temperature was about 36 degrees. There they remained until seven or eight days before we wanted the flowers. By that time they looked like third class celery, well bleached, and had grown four or five inches, but seemed none the worse for it. They opened up into flower almost in forty-eight hours, but with shading we kept them in good order. I would not think of trying to keep any of these bulbs beyond their natural flowering time unless it was for some special occasion that they were desired, but if it must be done, it can be done as described, only the Paper White at no time should be quite down to the freezing point.

WILLIAM SCOTT.

CHRYSANTHEMUM SOCIETY.

The exhibition of the Chrysanthemum Society of America will be held in the Herald Square Exhibition Hall, Herald Square, New York. This is a new hall with an abundance of space and magnificent light, and most centrally located. Intending exhibitors will please note change in the place of holding the exhibition.

FRED H. LEMON, Sec'y.

VICTORIA, B. C.—A. J. Woodward is building six additional houses 25x175.

WESTWARD HO!

Or How to Go to Milwaukee.

When I had the pleasure of spending a day in Detroit recently the subject came up among the craft of how the eastern men were going to travel to the fair city on the western shore of Lake Michigan, and I think Brother Rackham said he intended to do all in the informing line he could.

A New Yorker or Boston man has the idea that when he is as far west as Poughkeepsie or Springfield, respectively, he is "out west." As Gurney Hill said at Pittsburg, a few years ago, when the Carnation Society decided to go to the beautiful city of Indianapolis, "We are not west, but we are a very good place to call at when you're going west." So Buffalo is very much east, and so is Detroit.

Chicago and Milwaukee are on the eastern edge of the middle west. All these and many more are ports of the inland fresh water seas, but you must have plenty of time to go by an all-water route from Buffalo to Milwaukee—about three days—and it's more than the busy florist can afford. Mr. Rackham will tell you of the many railroads that will carry you to Detroit and then across Michigan to a point on Lake Michigan, and then a boat ride across the lake will land you in Milwaukee. All that I will leave to Mr. Rackham.

Here is what can be done from Buffalo, which will take in a lake ride. There is a magnificent steamer leaving Buffalo every day at 5:30 p. m. and arriving at Detroit at about 8 a. m. From Detroit there is a choice of railroads to Milwaukee, either day or night. To take this trip you would have to be in Buffalo before 5:30 p. m. on the Sunday before the convention, and that is slightly awkward, as most of the fast trains on the New York Central, Lackawanna, Lehigh Valley and Pennsylvania leave the large eastern cities in the early morning and do not arrive in Buffalo in time to take that boat.

So now, ladies and gentlemen, to enjoy the midsummer ride on Lake Erie from Buffalo to Detroit it would be best to

leave your homes on Saturday evening, arriving in Buffalo Sunday morning, rest during the day in our beautiful city, and start away on Sunday evening for Detroit. For the benefit of John Westcott or P. Welch I will inform you on request of the most fashionable places of worship, or give you any other information that will assist you to enjoy your visit. A Sunday in Buffalo will not be wasted time, as it is quiet and the most beautiful residence city in this wide land.

W. S.

SMOKE FOR BUTTERFLIES.

I note in a recent issue that A. O. D. asks how to get rid of a small butterfly, which infests his chrysanthemum house. If it is the same little pest which goes after my roses, I will tell him my remedy. After getting tired of crushing them with my fingers, I began to smoke them early in the morning, about three or four o'clock, which is when they begin to fly. It finished them.

ARTHUR DOEBEL.

TUBULAR VS. SECTIONAL BOILERS.

Can you tell us why, when all railways, factories, etc., use tubular boilers for their steam power, nearly all greenhouse construction companies advise iron sectional boilers? O. F. C.

Answering the query of "O. F. C.," until recent years the areas of individual greenhouses or ranges of greenhouses were too small to admit of a standard tubular steam boiler being used. This fact caused the manufacture of small cast iron boilers of sectional and other forms, and it was quite natural for the manufacturers of such boilers to push their wares wherever a market offered. The claim is made that cast iron corrodes less in an average florist's cellar and with the abuse which a greenhouse boiler is frequently subject to, than a wrought iron boiler, but my experience shows that, given reasonable treatment, each will last equally as long in effective working condition. The small cast iron boiler has served its purpose well, and will continue to do so, but where the

greenhouse range exceeds 7,000 square feet of glass exposure the wrought iron standard tubular steam boiler will be far more economical and effective.

HENRY W. GIBBONS.

NEW YORK.

The Market.

The week has been a record breaker, at one time nearly 100 degrees in the shade, in fact, above that in some parts of the city, while on Sunday the temperature reverted almost to the freezing point. "Never anything like it," was the comment on business from the wholesalers' standpoint; "the worst week ever known," said another, and "nothing doing" was the universal verdict. Even the prominent retailers had little sunshine amid the gloom. All manner of schemes were resorted to to tempt the sizzling transient. One plan that seemed to work was a window full of dollar boxes all ready to "send to any part of the city." These were nicely arranged with ferns, spring flowers, two or three peonies and a dozen fine roses—about a \$5 box in winter—and they seemed to go "like hot cakes," this, too, on "dear old Broadway," and right in the center of it. But with 5,000 good roses of all kinds going begging for \$10 the excellence of the enterprise is clear.

Now comes Decoration day, with its usual uplifting, and a better condition of things should follow, for the "sweet girl graduates" will soon be in evidence, and June, with its weddings, is close at hand. They say it will be a great June in this respect, and the engagements for decorative skill are large and numerous already.

Various Notes.

Thomas Young, Jr., had an extensive decoration last week at the Morris Park Coaching Club's rooms, consisting of thirty-six fine center pieces for the tables, all in the club colors, and in which maroon, yellow, primrose and red predominated. Corsages and boutonnieres were made to match the table colors, and every table was unique. The cost of such a handsome function touched the four figures and was worth it.

The break in the lily market the day before Easter has always been a mystery to the many in "the street," but it is said a prominent growing establishment not far from New York put 40,000 blooms on sale that day with instructions to close them out at the low price to which they fell.

The Florists' Board of Trade, under Mr. Hayden's presidency, is making rapid strides. Mr. Hayden hopes to meet his patrons at Milwaukee and to make his property of growing value to the legitimate florists' trade of the country.

Robert Liddell, cashier for Peter Henderson & Co. during the last thirty years, died suddenly on Thursday last of pneumonia. He left his desk in his usual health on Tuesday. Mr. Liddell was 75 years of age, and a gentleman of ability, popular among his associates and greatly esteemed by his employers. His daughter is the wife of John Birnie, of West Hoboken, N. J. The funeral on Saturday was largely attended and many handsome floral tributes attested the sympathy and regret of the family's friends.

Another veteran in horticulture died last week at the age of 85; Bridgeman, the seedsman, whose name is perpetuated since his personal retirement, and whose

grand record is parallel with the development of the seed trade in America.

At Elliott's the usual large attendance on auction days demonstrates the benefit of control. To have no opposition in any enterprise comes under the head of "snaps." Prices hold up well and the amount of stock disposed of is large. Next Tuesday at these rooms the fine palms offered by David Clarke's Sons will be disposed of.

John Scott, of Brooklyn, will have no auction this year, as has been his custom. The demand for Bostons is as great as ever, he says, although he is now offering some fine 2½-inch stock of Piersoni, as well. His canna collection comprises twenty-seven of the best varieties. Mr. Scott will add two large houses to his plant this summer.

Mr. Keller, of Reed & Keller, is back from a five weeks' trip through New England and eastern Canada. He reports a great demand for Decoration day stock.

The office of the New York Cut Flower Company, in the Coogan building, is being handsomely decorated for the "Beauty King" and his associates, and a long lease has been "signed, sealed and delivered."

L. J. Kreshover is still shipping a fine quality of wild smilax all over the country. It is quite a mystery to some where it comes from, with 100 degrees of heat withering all kinds of vegetation, even in the north.

Fellouris has a fine stock on hand for Decoration day, especially in galax, five to six million leaves, and 300,000 leucothoe sprays. His facilities for preserving this stock are complete.

J. I. Raynor finds Croweanum as popular as ever, although the abundance of shipments and general lassitude of the season has placed the price at present at \$1 per 100.

Macy has added a flower department to the new store on Thirty-fourth street, the influence of which may be slightly felt by neighboring retail florists, although Mr. Bowe, who is the nearest neighbor, does not notice any diminution in the aggregate of sales to date. After all, these department flower stores are only educators and do less harm than good. The new store now being built by Henry Siegel is to have a fine conservatory on its roof, a la Bloomingdale.

The Manhattan Supply Company has removed to 440 Eleventh avenue.

W. H. Elliott, of Brighton, Mass., was a recent visitor.

Lyman B. Craw, secretary of the Lord & Burnham Company, will inaugurate the summer wedding season on June 3, on which date he will wed Miss Florella May Putnam, of Annisquam, Mass. His many friends extend congratulations. Mr. Craw was especially happy at the Asheville convention, and now the hidden cause thereof is apparent.

George Bradshaw, the wholesaler, was visited by the stork too late last Wednesday night to telegraph the good news to the REVIEW. There has been a continuous celebration at Bradshaw & Hartman's headquarters on West Twenty-eighth street ever since, and it may last all summer from the looks of things. After three boys have comforted fond parents a daughter is especially welcome.

A visit to Tarrytown was both interesting and educational. F. R. Pierson has had a wonderful season. Piersoni has gone "to the ends of the earth" without a dissatisfied customer, and it is a record to be proud of. To please and

give value to patrons is the whole story in a nutshell, and on that basis Mr. Pierson has disseminated his wonderful fern and the total sales have exceeded all expectations, but it is nothing to what the house anticipates and is providing for another season. The present prices will be maintained until January, and the stock ready for immediate delivery is abundant and in good condition. Another medal, the silver one of the San Francisco flower show, was won by Piersoni this month. Mr. Pierson has great faith in the future of the fern, and large advance sales at present prices indicate a tremendous demand when the price is lowered another year. All the houses at Tarrytown are full of it, and thousands of plants in 6-inch to 8-inch pots are being made ready for the retail demand in September. Mr. Pierson's immense house at Scarborough will be devoted entirely to Piersoni this fall. The improvements at the nursery there, in grading and beautifying the property, are very evident, and the splendid stock of palms, bay trees, fancy evergreens, tree rhododendrons, tub hydrangeas, etc., is worth inspection by every florist in the land.

The club's outing is now an assured success. A much larger souvenir programme than last season's is in the hands of the publishers. The advertising patronage has been very liberal, the supply of prizes is most generous, every preparation is complete, and July 1 will see a record crowd. In fact, every member of the club who can spare the time has already sent in an acceptance of Mr. Traendly's official invitation. If those who have not yet sent orders to him for tickets will do so at once, it will greatly facilitate final arrangements for refreshments and accommodations and be much appreciated by the committee.

J. AUSTIN SHAW.

PHILADELPHIA.

The Market.

The excessive drought has seriously affected the outdoor flowers, so that those ordinarily used this week are scarce and poor. This has greatly helped the sale of our greenhouse product. Prices have not advanced, but business is active. Beauties are less plentiful, especially fancies. Brides and Maids are poor—too much hot weather has hurt them. Kaiserins are fine. Carnations are of excellent quality and plentiful. One large dealer is receiving twice as many as at this time last year. Peonies are nearly over. It will be hard to get any by next week. Sweet peas are falling off in quality, but sell well. The outdoor ones are beginning to appear. Valley has sold well. Greens are rather plentiful.

William J. Baker has had a steady supply of the beautiful lace fern during the season, and expects to have it throughout the summer. It is a scarce fern, very decorative, and commands a good price in this market. A. & G. Rosbach, of Pemberton, N. J., are the growers and their specialty must be seen to be appreciated. The Dreer company handles many of the young plants.

Notes.

The week is an active one. The Knights Templar were here three days and the horse show six, with many other things.

The Grahams had the decorations for Miss Paul's wedding last Saturday at Radnor. Daisies, both white and yel-



Show House of Samuel S. Peckham, New Bedford, Mass., at Easter.

low, were largely used, nearly all the dealers supplying their entire stock. Miss Paul is the daughter of James W. Paul, Jr., president of the Pennsylvania Horticultural Society. The same decorators also had charge of the Knights Templar ball at the Exposition building. Laurel wreathing and bunting are said to have been the chief materials used.

Joseph Heacock, president of the Philadelphia Wholesale Flower Market and one of our leading rose and palm growers, marched with the Knights Templar last Tuesday in the parade.

Ethel Crocker is highly esteemed as a warm weather pink carnation.

The florists' axiom is, "A soft word turneth away wrath."

William L., known to his friends as "Doc" Schaeffer, Sixteenth above Race street, has been overrun with funeral work of late.

Eugene Bernheimer says that double petunias are now taking the place of white carnations for funeral work. They are better value for design work.

We are told that we are now 500 degrees of heat in excess of the average. Great news for the stay-at-homes if it averages up the summer.

Sporting.

The sporting world is getting alive now. Last week was a great one for the Florists' Gun Club (the scoffers put the accent on the first word). Next comes the contest for the places on our bowling team at Milwaukee. Every bowler ought to try for this substantial honor. Send your name at once to Capt. George M. Moss, 32 South Seventeenth street, as a candidate to compete in the practice game. PHIL.

BATAVIA, ILL.—The barn, label factory and part of the office at the Williams & Sons Company's greenhouses were destroyed by fire May 20. Loss partly insured.

ST. LOUIS.

The Market.

The trade in the cut flower line during the past week was very unsatisfactory. The weather was cloudy and threatening, with cool nights; still this did not have any effect on the supply and everything in the cut flower line is plentiful, and the retailers can get any amount of good stock at very reasonable rates. If the supply keeps up, which no doubt it will, Decoration day orders will be filled in full. Several big orders have been booked ahead and quite a good trade is expected. Decoration day is not so much thought of in the west as it is in the east, where the florists look upon it as a big day for them. Some of the West End florists report that they have booked orders for a number of June weddings and that a large amount of flowers will be used on these occasions. A few of them will use sweet peas exclusively, and some good work can be made of them, as they are now in full bloom.

The rose market the past week was at its full height. Plenty of good stock went to waste for want of demand and cheap prices still prevailed. The quality of the stock is very good, with little or no mildew. American Beauties are not coming in as well as they have been, shipped in stock being open and soft. Local stock is, of course, much better and has the call. Meteors and Liberties that come in open over night on the way. Maids and Golden Gates come in better condition. Perles are very soft. Prices remain as quoted last week. In fact, the demand was so erratic that no fixed price was set on them.

Carnations are in better demand than roses, but so many of them came in that the price went as low as 40 cents per 100 on common sorts. Two cents was a big price, and only the best fancies brought that price; \$1 buys 100 good

carnations. White has the best call, as a big lot of funeral work was made up throughout the city. Crocker is much sought after now for its keeping qualities.

Sweet peas are in full blast and are selling well at 40 and 60 cents per 100. Tracy has the best call, with white next and then lavender. Other colors are not in much favor. Some good valley was seen Saturday at Kuehn's. Outdoor stuff, such as iris, peonies, marguerites and pansies, are quite plentiful, with a slow demand. Cape jasmines are now in and by Memorial day will be very plentiful, price \$1 per 100. Ferns were somewhat scarce the past week and only a very few fancies in the market. Common dagger ferns are now mostly used. Smilax is somewhat better in supply and some good, long strings were in the market last week.

Notes.

The growers have about finished their bedding work, although a few stragglers will keep coming and prolong the work for a week or so longer. The better and larger work has been done, with prices, they say, somewhat better than last year. Stock of all kinds has sold well. Union Market is still doing a fair trade in pot plants and the growers will send in their left-overs as long as the trade keeps up.

E. W. Guy, of Belleville, was in town Friday buying supplies. Mr. Guy reports a fine plant trade this season.

Dr. Halstedt, of the St. Clair Floral Co., Belleville, reports that they are very busy planting the Hucke place, which they have leased. A big lot of American Beauties and carnations are being planted for their home trade. "Doc" expects to make a flying trip to Chicago this week.

The park commissioner has not yet appointed his new superintendent. Five of the florists who are out for the position are C. C. Sanders, Theo. Klocken-

kemper (who was at one time superintendent under Commissioner Fecter), Gus Eggeling, Fred Ostertag and Andrew Meyer, Jr. Let the best man win, and that quickly.

It was amusing to read the implication in another paper that your correspondent derives his market report from his imagination. The writer in question is not a member of our club, and is located away out in the woods, where news is scarce; and it looks to me as if this is another case of a man who lives in a glass house throwing stones. The REVIEW's market reports are straight.

Bowling.

All florists who are interested in bowling are requested to attend the meeting of the bowling club Monday night, June 1. The meeting will be held at the Monarch bowling alleys, 2012 Locust street, at 8 o'clock. Besides the regulars it is especially requested that Carl Beyer, Robert Beyer, C. C. Sanders, Emil Schray, Frank Fillmore, E. W. Guy and R. F. Tesson be present at this meeting without fail. This meeting is called to ascertain if a good team can be gotten together to represent St. Louis at Milwaukee during the S. A. F. meeting next August.

Six florist bowlers rolled four games on Monday and made some fair scores, which were as follows:

Player—	1	2	3	4	Total
Wm. Adels	137	156	180	143	616
Theo. Miller	160	124	171	157	612
C. A. Kuehn	87	142	200	160	589
F. C. Weber	169	168	139	114	590
Fred Weber, Jr.	145	135	100	104	484
Louis Ayers	78	74	90	100	342

J. J. B.

CINCINNATI.

The Market.

Present week brought forth a glut, the size of which was greater perhaps than we have ever had before. The continuous hot sunshine did the business and roses and carnations all opened up at once. Trade, as a whole, was not so bad, but when you consider the immense quantities of flowers that were sold you begin to realize how low prices went. In fact, stock sold at whatever the buyer chose to offer. There was no such thing as holding for a fair price. The wholesale houses were so overloaded that they had to get rid of the stock some way in order to make room for the stream of fresh material that was continually coming in. It was certainly anything but a very pleasant experience, as the wholesale men were kept more than busy taking care of stock.

Decoration day will use great quantities of flowers, and the chances are that there will not be nearly so much stock as last week. There will be a boost in prices and a general clean-up at good figures is anticipated for the end of the week.

Roses are showing the effects of the hot weather and many are mildewed. Carnations are growing smaller every day. Pink and white peonies are coming in and there is a fair demand for them. Irises are about over. They bloomed too late to be of much value this season and though there was some very fine stock cut it did not sell as it should.

There is plenty of feverfew, candy-tuft, etc., with a fair demand for it. Longiflorum lilies are still to be had, but they move slowly. Smilax is more plentiful. There is also a fair quantity of

Sprengeri, which sells well. Plumosus is scarce. Adiantum is good and sells well. The supply of cold storage eastern ferns is all used up, but the new stock will soon be in. The new southern fern is in at present, but it will not sell when the eastern is to be had.

Notes.

"Dick" Witterstaetter in joining the ranks of the Benedicts has set the pace for some of the younger men. The first to follow his example is his nephew, Frank Deller. The date is June 10, and the happy bride to be is Miss Julia Neiderer. Best wishes for the happiness of the young couple.

Charles Critchell, who is in business at Atlanta, Ga., is home for a few days' vacation. He is looking very prosperous and says that trade is very brisk in the southern city. C. J. OHMER.

CHICAGO.

The Market.

The week did not open to the satisfaction of local wholesalers. Receipts continue heavy and quality is deteriorating rapidly, particularly in roses. Beauties continue of fair grade for the season and supplies in all lengths are greater than the demand, with the result that even the best stock moves slowly and the fakirs afford the only outlet for the bulk of the receipts. Tea roses show the effects of the weather to a marked degree, and it is necessary to sort over a thousand to get out a hundred which will stand shipment, with the inevitable result that the remaining 900 bring very little. There are some very good Liberties and Chatenay.

Carnations hold their quality much better than roses and there is some very good stock available, but there are quantities that are very small and badly faded. Sleepiness is also a pronounced characteristic of much of the stock.

Peonies are coming in heavily, but a great deal of the southern cut is of poor quality. At Klehm's Nursery they are fifteen days ahead of the average season. Sweet peas are selling slowly and pansies do not move. There is something of a let-up in the receipts of Easter lilies, which the change to warm weather brought on with a value-destroying rush a few days ago.

There is some good business booked for the last three days of the week, but the present indications are that the total will be considerably below last year, when Decoration day sales broke all records. The jasmines look to be a little late and they will have very low value after May 30.

Notes.

The general demand of florists and gardeners for higher wages seems to have brought growers of bedding plants in closer touch with each other. The prices are more uniform and satisfactory and sales around Chicago reported brisker than ever, but there are large stocks still on hand. One of the scarce items is echeveria, good stock of which is selling at from \$30 to \$40 a thousand.

B. Eldredge, of Belvidere, is sending in some very fine Crane carnations, stems very long and strong.

A. Lange is in the midst of his spring special sales. This week it has been peonies at 5 cents each.

Carl Thomas has returned from his visit to his old home at West Springfield,

Pa., where he spent his vacation sick in bed with the grip.

A. L. Randall has opened three cases of ferns from cold storage which had been practically destroyed by rats, and ferns are worth \$3 a thousand in case lots nowadays.

H. N. Bruns is having very fine success with lily of the valley. He is in just right for Decoration day.

Fritz Bahr has a big stock of bedding plants, including about 20,000 geraniums, extra well grown, which are moving well. This is his busy week.

Wietor Brothers say they never saw anything like the call for chrysanthemum cuttings. They have been weeks behind on orders for many varieties.

N. J. Wietor returned Tuesday from Fox Lake, fishing.

George Reinberg's carnation cuttings have been going like hot cakes lately, many orders and big ones.

Mr. and Mrs. Peter Reinberg had a party of fifty friends to assist in the celebration of their twentieth wedding anniversary last Friday night. Matt Evert appeared on the scene accompanied by a brass band.

Calvert & Son, at Lake Forest, are sending Weiland & Risch some good La France roses.

Leonard Kill has been suffering for several days with rose thorn poisoning in his right hand.

A. F. Longren has completed the glazing of the new range for Poehlmann Bros.

A. L. Vaughan is at home to remain until after Decoration day.

Visitor: J. Sanstrom, Momence, Ill.

Bowling.

The following is the score of the practice match May 26. It brought F. Matti up into the first ten:

Player.	1.	2.	3.
Balluff	137	162	158
Asmus	139	206	148
Hauswirth	175	163	150
G. Stollery	181	202	167
F. Matti	222	180	140
F. Stollery	146	169	150
Forester	197	139	236
Scott	126	142	136
Krelling	156	121	168
Winterson .....	..	135	135
Pruner .....	..	150	131
Sterrett .....	..	155	146

PITTSBURG.

The Market.

The glutted condition still exists in this market and the demand for stock is limited, for business is only fair. The question with the wholesalers and growers is how to get rid of the stock. Prices do not seem to enter into any consideration when quantity is wanted, as one can buy large lots at his own figure. The result of the warm weather is very noticeable on roses, particularly on Maids, which are off color and small.

Peonies are arriving in quantity and sell at \$6 per 100 for choice blooms. Gladioli are coming in small lots. Good sweet peas are scarce and find a ready market. Quantities of poor ones are about, but these cannot be sold at any price.

Notes.

The extremely warm weather and long dry spell was broken last Friday, May 22. No serious results are reported on account of the long drought.

The Pittsburgh Rose & Carnation Company, at Bakerstown, has put in a complete system for field watering.

Patrick Meyer has leased the houses

of Charles Koenig, of Milvale, Pa. Mr. Koenig is now connected with the Pittsburgh Rose & Carnation Company.

Visitors: Miss Alice Barnes, Springfield, Ohio; Arthur Langhans, Wheeling, W. Va.; Martin Reukauf, Philadelphia. Hoo-Hoo.

SAN FRANCISCO.

The Market.

Business, outside of funeral orders, is at a standstill, although the indications are that there will be a big Decoration day business, judging by the inquiries florists are having. Rain has been a very scarce article in California since the first of April, and as a consequence, most of the interior towns are very short of outdoor flowers. I refer to those places that have no flower stores and rely on the supply from gardeners for cemetery purposes on May 30. On this account shipping orders will be good this year and we shall have a chance to get rid of a lot of surplus stock. Just think of it, in the whole state of Nevada, and Arizona also, there are not over half a dozen florists and, of course, all the flowers must come from outside. One San Francisco florist shipped to Virginia City, Nev., last season 1,000 bouquets of mixed flowers. Sacramento, Stockton, San Jose and a hundred smaller towns are large consumers and our prospects are good for heavy shipments.

Although the greater part of California is suffering at the present moment for rain, we still have an abundance of outdoor flowers in the immediate vicinity. Bride gladiolus is seen in large quantities; sweet peas are at their height; roses are in great profusion; stocks, candytuft, bachelor buttons, gailardias, forgetmenots, irises of all descriptions, coreopsis, mignonette, canterbury bells, peonies, carnations and a few wild flowers make a good assortment to choose from.

Notes.

H. H. Lilienthal, president of the California State Horticultural Society, has received a dispatch from the private secretary to President Roosevelt, in which the chief executive expresses his willingness to become an honorary member of the society. The message is as follows: Yours of the 13th with enclosure has been received and in the President's behalf I beg to thank you and the members of your society for the compliment paid him by the recent action of your worthy organization. G.

CLEVELAND.

The Market.

The wholesale market has been flooded with good stock of roses in all varieties, while white carnations have been a good second; consequently the prices have eased up a little, the top price in roses being \$6, and from that down to \$1 a hundred, and in 1,000 lots even that price is shaded. Carnations rule from \$1 to \$3 for fancy varieties. A few lilies are seen, also some outdoor valley, which brings a fine price. Sweet peas are scarce, only a few growers forcing them here. Common ferns are short at \$2 per 1,000. Good adiantum brings \$1 per 100, galax, \$1 per 1,000.

Among the Growers.

A recent visit to Isaac Kennedy's new

place at West Park, a pretty suburb of Cleveland, and on the Linsdale car line, found Mr. Kennedy in the midst of building operations. Three modern even-span houses, running east and west, are going up. These houses are open under the gutter, making them practically one house, and covering about 9,000 square feet of ground. Mr. Kennedy is a very tall man, and did not propose to bump his head on those gutters. The boiler house is on the north side of the greenhouses, thus avoiding any shade on the glass; it is a fine building and covers a large tubular boiler with a capacity for three times the present amount of glass. On entering the boiler room, the first thing that attracted our attention was the britching connecting the boiler to stack. It is built of brick and will certainly last a life time. These houses will be planted with roses before June 1 and should do well, as Mr. Kennedy has as fine a rose soil as the writer has ever seen, and his whole place seems to be of the same quality.

A trip to Newburgh, with a stop at Geo. Jewett's place at 1338 Broadway, found everything looking good, except Mr. Jewett, who has been confined to his bed for the past weeks with typhoid fever, but he is improving and expects to be back in the store in a few days. Mr. Jewett grows bedding plants and a general variety of flowers, and has a very good trade in all lines.

The next call was on J. M. Strajcek, near the corner of Wilson and Broadway, where he is located in a very nice store, and reports a good trade in cut flowers, plants, and funeral work.

The next jump was a long one to R. H. Hoffman's place on Miles avenue, Newburgh, where he has a large place devoted to cut flowers and plants grown for the wholesale trade. Property in this section of the city is booming, and as Mr. Hoffman has a large frontage on Miles avenue, he is seriously thinking of laying a part of it out into building lots.

A short walk took us to Mr. Bumd's place, where we found everything in its usual good condition, with a large stock on hand and ready for the planting season. Mr. Bumd makes a specialty of carnations and mums.

The last call was on Mr. Kunze; that gentleman was found worrying because it had not rained for the past two weeks, his soil being the kind that bakes hard, and is almost impossible to work, once it gets dry. He wants to get his carnations planted out. His stock is in first class shape, and he is picking good carnations.

R. Addicott & Son, of Hayden avenue, East Cleveland, will build quite an addition to their already large plant, and will grow more roses and carnations. They are sending in some very fine Brides and Maids to The F. R. Williams Co. They have just finished planting 15,000 fine carnation plants in the field and, like the other growers, are looking for rain. E.

DOVER, DEL.—J. J. Von Reider reports trade on Easter stock as very satisfactory, there having been more call for pot plants than for cut flowers, although there was a fair sale on both. Mr. Von Reider has a new seedling rose, a cross between Kaiserin and Perle, that is a delicate pink and very fragrant. He believes it to be a very promising new variety.

BUFFALO.

The Drought.

A passing cloud and a few drops of rain this morning gladdened our spirits for half an hour, but it passed without even laying the dust and we continue to suffer. We have recollections of dry times in July and August that have been worse than this one, but somehow it fitted the season of the year and nothing suffered. The six weeks of sunshine have been keenly felt on the farms and gardens. Residents of cities do not realize it, for they have the hose and faucet, but the villager sees the grass burning up, the grain scarcely moving, transplanted trees and shrubs wilting, the young carnations planted three weeks ago burning up and lots of other things that makes him sigh. If he goes down to the creek he will find it reduced to little pools here and there, and struggling for existence little pickerel and pollywogs and many other creatures that must have water or die. But we shall get over all this and forget it.

The Market.

Business has been fairly good and flowers quite plentiful. Outdoor valley is gone, which shows how early this season is. Lilac is gone and about all the outdoor stuff for Decoration day will be peonies, and they are quite a help. What with the Long Island and New Jersey crop and then our home grown, the season of the peony lasts some time. Plant men are very busy. The usual amount of flower gardening will be done, but no abnormal increase, and I see nothing unusual in any feature of the demand. It is the same old thing, except that the very artificial hanging basket is fast going out and but few are now asked for.

Visitors.

We have sadly missed out of town visitors of late. In fact, we have been quite lonesome, but there was an oasis in the dull times in the shape of August Rhotert and his representative, Mr. Knickman. We have done business for years with Mr. Rhotert, but never saw this well groomed man in the flesh. It is good for a customer to know with whom he is dealing. Then when he reads his letters he can read better between the lines. Mr. Rhotert might be taken for the third assistant secretary of the treasury and is business from the word "go." W. S.

BRIDGEPORT, CONN.—G. B. Whitehead has sold out to Keith & Jackson.

FT. WAYNE, IND.—Mrs. Wm. Paap, wife of the foreman at the city greenhouse, died May 18, aged 61 years.

MONTREAL, QUE.—On May 18 fire destroyed a barn belonging to Aaron Martin & Sons, at Cote St. Paul, causing loss of \$4,500.

GRAND JUNCTION, COL.—The Grand Junction Seed and Nursery Company, capital \$30,000, has been incorporated by G. J. Carpenter, Jno. F. Moore and Frank R. Davis.

CLYDE, O.—Rain is badly needed for carnation plants in the fields. W. E. Hall says trade in bedding plants has also been slow because of the drought. He is thinking of dropping plants altogether and confining his efforts to cut flowers.


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	Per hundred
AM. BEAUTIES, short, . . .	\$8.00 to \$10.00
" " medium, . . .	15.00 to 18.00
" " fair length, . . .	25.00 to 30.00
" " long, . . .	40.00
METEORS, . . .	5.00 to 10.00
BRIDES AND BRIDESMAIDS, . . .	4.00 to 7.00
PERLES, . . .	4.00 to 7.00
ROSES, our selection, . . .	3.00 to 4.00
PEONIES,  . . .	75c to \$1.00 per doz.

	Per hundred
CARNATIONS, fancy varieties, . . .	\$2.50 to \$3.00
" good average, . . .	1.50 to 2.00
VALLEY, . . .	2.00 to 5.00
JASMINE GRANDIFLORUM, . . .	2.00
DAISIES, . . .	1.00 to 1.50
SMILAX, \$2.00 per dozen. . .	
ADIANTUM, . . .	.50 to 1.00
ASPARAGUS, per string, 50c to 60c. . .	
GALAX, per 1000, \$1.50; per 100, 15c. . .	

COMMON FERNS, per 1000, \$3.00; per 100, 30c.

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CHICAGO.

Mention the Review when you write.

UTICA, N. Y.

At the business session of the Utica Florists' Club, May 15, officers were chosen as follows: President, F. J. Baker; vice-president, Frank McGowan; secretary, J. C. Spencer; treasurer, C. F. Seitzer. The annual report of the secretary was a gratifying one to the club. It showed that there were 35 members on the roll, a gain of about 15 during the year. The treasurer's report showed that the receipts for the year, including the balance on hand at the last annual meeting, were \$114.40 and the expenditures \$45.30, leaving a balance of \$69.10 in the treasury.

At the close of the meeting Prof. George C. Hodges spoke on the relation which exists between the animal, vegetable and mineral kingdoms.



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Abutilon Savitzii	2	.50	\$3.00
Ageratum, variegated	3	.60	4.00
Alyssum, double	2 1/2	.50	3.00
Anthericum variegatum	3	.75	5.00
Cannas, Fl. Vaughan Mme. Crozy,			
Egandale, Queen Charlotte	3	.60	4.00
Cobaea Scandens	3	.75	5.00
Clematis Paniculata, strong	4	1.50	10.00
Clematis Paniculata	3	.75	5.00
Dracena Indivisa	3	.75	5.00
Heliotropes, dark blue, white	3	.50	3.00
Ivy, English, hardy strong pils	4	1.50	10.00
Periwinkle, variegated	4	1.50	10.00
Lantanas, Le Naine	2	.50	3.00
Lobellias, dark and light blue,			
white . . . . .		.50	3.00
Tropaeolum, double dwarf	2 1/2	.50	3.00
Carnations—McGowan and Wm. Scott, hard-			
ened off in cold frames, from soil, \$2.00 per			
100; \$15.00 per 1000.			

G. EISELE, PHILADELPHIA, PA.

11th and Jefferson Streets.

Vinca Major

Var., strong 4-inch pots,
\$8.00 per 100.

WILLIAM J. YOUNG, Jr.
School and Pulaski Sts., GERMANTOWN, PA.

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Special Spring Sale.

150,000 Plants and Rooted Cuttings
in Bud and Bloom.

PETUNIAS. Double fringed, ten distinct novelties selected from Henderson's and Dreer's latest sets, labeled; strong 2 1/2-inch, \$2.00 per 100; 2-inch, \$1.50 per 100. R. O., 75c per 100; \$6.00 per 1000.

VERBENAS. Our 20th Century collection of 20 new mammoth varieties, labeled; strong 2-inch, \$1.25 per 100; \$12.00 per 1000. R. O., 50c per 100; \$4.00 per 1000.

FUCHSIAS, four leading sorts, named, 2 in., \$2.00 per 100.

FEVERFEW, Little Gem, 2 1/2-inch, \$2.00 per 100; 2-inch, \$1.50 per 100.

AGERATUM, Stella Gurney and P. Pauline, 2 1/2-inch, \$1.50 per 100.

SALVIA, St. Louis and Bonfire, 2 1/2-inch, \$2.00 per 100; 2-inch, \$1.50 per 100.

MARGUERITE, white and yellow, 2 1/2-inch, \$2.00 per 100.

ALYSSUM, Double Giant, 2-inch, \$1.50 per 100.

THE W. T. BUCKLEY PLANT CO.

SPRINGFIELD, ILL.

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Florists' Review

When Writing Advertisers.

"Green Goods"

SMILAX \$1.50 to \$2.00 per doz. Good stock for all orders.

ASPARAGUS 50c per string. Long, heavy strings.

All other stock in quantity and of good quality.

For DECORATION DAY

WIRE US IF YOU RUN SHORT AT THE LAST MINUTE--
OR CALL US ON THE LONG DISTANCE PHONE.

E. C. AMLING,

The Largest, Best Equipped and Most Centrally Located
Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St.,
Long Distance Telephones 1999 and 1977 Central.

Chicago, Ill.

HARDY FERNS

ARE
SCARC
BUT

WE HAVE SUPPLIES

FOR ALL
TO THE END OF THE
SEASON.

WANT ADVERTISEMENTS.

WANTED—Competent working foreman for place of 18,000 feet of glass, growing roses for trade only. Pleasant eastern location near large city. Good chance for advancement. Young man with small family preferred. Give references and wages expected. Address No. 109, care Florists' Review, Chicago.

WANTED—The address of a firm or person who can furnish nice birch bark in sheets not less than 14x17 inches in size, to paint on the white side; state price 50 to 100 square feet; not necessarily in pieces larger than mentioned. Address No. 106, care Florists' Review, Chicago.

SITUATION WANTED—By a single man, 12 years' experience in private and commercial places; good references. Address No. 108, care Florists' Review, Chicago.

WANTED—To rent July 1st, place of about 10,000 feet of glass, with the intention of buying. Must be in first-class condition; otherwise no consideration given; Chicago or vicinity. Give particulars at once. Address No. 107, care Florists' Review, Chicago.

FOR SALE—A good wholesale and retail business, about 8 miles from Chicago Court House; good transportation; 5 years' lease on greenhouses; with or without stock. Ill health cause of selling. Or would sell half interest. Address No. 104, care Florists' Review, Chicago.

FOR SALE—Small florist business; very reasonable; suitable for ambitious young woman; no rent to pay, in exchange for light office services; good corner, South Side, Chicago. Address No. 102, care Florists' Review, Chicago.

SITUATION WANTED—By an ambitious young florist; age 25; good grower of cut flowers and general stock. First-class designer and salesman. Capable of taking charge of medium sized place. Near Philadelphia or New York preferred. Address No. 100, care Florists' Review, Chicago.

SITUATION WANTED—By a competent, experienced gardener on a private place, park or with railroad company. Understands decorative planting, propagating trees, shrubs and plants, care of lawns, etc. Excellent references furnished. Address No. 101, care Florists' Review, Chicago.

SITUATION WANTED—By a middle-aged, single man; life experience in cut flowers and pot plants; near Chicago preferred. Address No. 105, care Florists' Review, Chicago.

WANTED—A good, steady, sober man who understands pot plants; steady place; state wages and give references. Address No. 103, care Florists' Review, Chicago.

WANTED—Two young men, A-1 assistants. Pittsburgh Rose & Carnation Co., Crystal Farm, Valencia P. O., Pa.

WANTED—Experienced rose grower; married man preferred. S. J. Reuter, Westerly, R. I.

WANTED—Good all-round man as assistant. Wages, \$20.00 a month with board and room. Increase if worth it. C. W. Keller, Woodmere, Mich.

WANTED—Two or three men for carnations and roses. Bassett & Washburn, Hinesdale, Ill.

WANTED—A good florist to buy part interest in a good paying florist business and take charge of greenhouses. Address J. D., 12 Reymann street, Wheeling, W. Va.

WANTED—An A-No. 1 florist, as foreman, to take charge of three greenhouses; all-round man; to grow roses carnations, mums and all-round stock; also good in design work; sober, steady, honest; single or married; state wages and give the very best reference. Address all letters to Frank E. Luhr, St. Marys, Pa.

FOR SALE—Some extra good second-hand 3-in. pipe at 6c per foot; also some 4-in., guaranteed sound. W. H. Salter, Rochester, N. Y.

FOR SALE—Cheap—40 box glass 16x24. A quality, D. S. One Lord & Burnham ventilator hoist machine. One Moninger ventilator hoist machine. A lot of second-hand 1 1/4 and 1 1/2 pipe. For prices and description address W. J. Miller & Son, Pontiac, Ill.

FOR SALE—The Florence Greenhouses, nearly 3000 feet of glass; completely stocked with roses, carnations, palms and general stock of bedding plants; good stock hardy, flowering shrubs and herbaceous plants outside; hot water heat; well established trade; best town in Colorado; no competition; will sell for one-third value; possession June 1st. Templin & Co., Florence, Colo.

WANTED --- First-Class Florist

To take half interest and manage greenhouses of an up-to-date established florist business in city of 6000. Only florist business in the city, with one dozen near-by towns to sell in. A chance for good man to draw good living and double investment in few years. Write at once for particulars. Address Opportunity, care of Florists' Review, Chicago.

A BARGAIN. Big Greenhouse Plant

Owing to other large business interests Brant & Noe, Forest Glen, Chicago, offer their large Greenhouse establishment for sale. Have 12 1/2 acres of land with a quarter mile frontage on West Peterson Avenue. Greenhouses cover three acres, part of them iron frame, built during last three years; hot water is the general system of heating, with steam in every house; reserve boilers in each of the three adjoining ranges. One large steam-heated residence, two dwellings, big barn, stables, wagon house, ice house, two storage buildings, nearly 300 feet of sheds, 20 to 30 feet wide. Local sewer to north branch of Chicago river, upon the bank of which the property is beautifully located. Between two lines of railways, the depot of one on our street, the other station near; electric cars in vicinity. Plenty of sod on this land; piles of sod and manure put up last year, sufficient to fill houses. Fine stock of young roses and carnations for replanting houses now under way. The plant is fully equipped. The improvements have cost over sixty thousand dollars (\$60,000.00). Beginning within 300 feet of this property, 140 lots have been sold at \$235.00 to \$400 per lot. This land will cut into 125 lots and always increase in value. Title is guaranteed by Chicago Title and Trust Co. The investment is both safe and inviting, for the land stripped of all its valuable improvements will soon be worth what the whole can now be bought for. Will sell at a big bargain and make terms easy. Might consider a partner, if right one. Good and sufficient reasons for selling.

BRANT & NOE, West Peterson and North 48th Aves., CHICAGO, ILL.

FOR SALE. RARE CHANCE.

One of Chicago's best paying wholesale and retail businesses, established 1890, in thickly settled, highest class neighborhood. Plant is worth \$35,000.00. Consists of new 12-room residence and 3-flat house for employees; steam heat and bath; 75,000 feet of glass (highly modern), with cement walks, automatic ventilation, low pressure, self-return steam plant; two 6-16 steel boilers in steel pans; 75 new benches and everything else in best order; elegant store and office; 6 car lines passing; stock is worth \$50,000.00, consisting of 60,000 Kentias, 20,000 different commercial Palms, 4000 Ficus, 8000 Boston Ferns, Roses, Carnations, Mums and about 50,000 plants for bedding, etc. Annual business, \$24,000.00. Owner has much other business interests and wishes to retire permanently. Will be sold for about \$25,000.00. Address Florist, 1742 Sheridan Blvd., Chicago.

FOR SALE. A MODERN PLANT of 10 Greenhouses.

About 25,000 feet glass, with land, stock, fixtures and good will of business. Thirty years established and under one management, but entirely rebuilt in last ten years. Entire products sold at retail. The largest establishment of its kind in New Hampshire. Relief from business cares our reason for selling. Books open. Call, or

Address **ELLIS BROS., KEENE, N. H.**

FOR SALE OR RENT.

MODERN GREENHOUSE PLANT

Of 20,000 square feet of glass; potting shed between houses, 20x80 feet; glass 10x15 and 16x24 inches; heated by steam from return tubular boiler. All in good order.

SAMUEL J. BUNTING, Elmwood Ave. and 58th St., PHILADELPHIA, PA.

Mention The Review when you write.

Special Notice!

5 per cent discount on following goods ordered before June 1st:

One Garfick Hot Water Heater, 900 ft. radiation.....	\$53.00
One Sandow Hot Water Heater, small.....	27.00
One Perfect Hot Water Heater, 7 sections.....	75.00
One Sunray No. 9 Hot Water Heater, 8 sec.....	115.00
One Spence Hot Water Heater, 7 sections.....	73.00
One Ideal Portable Steam Heater, No. 303.....	73.90
One Cambridge Steam Heater, 6 sections.....	78.00
One Hitchings Hot Water Heater, No. 16.....	55.00
One Ericsson Pumping Engine, No. 8.....	80.00
One Ericsson Pumping Engine, No. 6.....	55.00
One Rider Pumping Engine, No. 6.....	110.00

All guaranteed to be in good working order. Boilers taken in exchange.

New 2-inch Pipe, 10c per foot net.
Second-hand 2-inch Pipe, 8c per foot.
Second-hand 1 1/4-inch Pipe, 5 1/2c per foot.
Second-hand 1 1/2-inch Pipe, 4 1/2c per foot.
Second-hand 1-inch Pipe, 3 1/2c per foot.
Second-hand 3/4-inch Pipe, 3c per foot.
3,000 ft. job lot new 3/4-inch hose, \$3.00 per 100 feet, not guaranteed.

New 3/4-inch hose, guaranteed one year for 150 lbs. pressure, 7 1/2c per foot.

Write for prices on all kinds of tools and lumber.

MANHATTAN SUPPLY CO.

440-442 11th Avenue, NEW YORK.

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SAMUEL S. PENNOCK,

CHOICE FLOWERS

for June Weddings.

Wholesale Florist,
1612 Ludlow St., PHILADELPHIA.

MILWAUKEE.

The Market.

There was plenty of stock in the market the past week and carnations and roses were sold at ridiculously low prices. It was the fakirs' opportunity, and display signs "Roses 25c per doz.; carnations, 10c per doz.," were numerous. The outlook for Decoration day is more encouraging, as advance orders are coming in fast and indications are that nearly everything salable will be cleaned up.

Bowling.

Tuesday evening, May 19, teams captained by Wm. Edlefsen and A. Klokner each won a game in a series on the alleys. The following was the score:

EDLEFSEN'S TEAM.			
Edlefsen	134	119	145
A. Hoge	91	109	...
O. C. Pollworth	180	121	194
Schmeling	163	111	132
Dunlop	151	136	...
Hansen	116	117	119
Branch	91	90	...
Holton	167	136	...
KLOKNER'S TEAM.			
Klokner	122	138	...
Kunkel	142	156	...
Zweifel	174	139	...
Zepnick	110	173	122
Kennedy	144	157	163
B. Gregory	169	98	...
C. Burmeister	90	82	...

C. C. P.

We are the Moon Vine Growers of the Land.

A. W. SMITH'S MOON VINES.

(Ipomoea Noctiflora) now ready. The earliest moon vine grown, flowers being as large as a saucer, pure white and look like wax. Have a full supply of these much-in-demand vines. In 2½-in. pots, \$5.00 per 100; 3-in. pots, \$7.00 per 100; 4-in. pots, nicely staked, \$10.00 per 100.

SCARLET SAGE, 4-inch, \$6.00 per 100.

CANNAS, strong plants, best varieties, such as Poitevine, Bouvier, Columbia, Mme. Crozy, Florence Vaughan, Bismarck, etc., \$6.00 per 100.

GODFREY ASCHMANN,

1012 Ontario St., PHILADELPHIA.

Coleus, Verschaffeltii and Queen,

from 2½-inch pots, per 100 \$2.00

CANNAS

from flats, well started, per 100 \$5.00

Silver-Leaved Geraniums

Silver-Leaved Nutt, from 3-inch pots, per 100, \$15.00. Mme. Languth, from 3-inch pots, per 100, \$10.00.

FRANK A. PIERSON,

CROMWELL, CONN.

Pacific Florist

ISSUED MONTHLY by the
Pacific Florist Publishing Co.,
229 Stevenson St., San Francisco, Cal.
the BEST ADVERTISING MEDIUM ON THE PACIFIC COAST. Subscription \$1.00 per year.

YOUNG GRAFTED ROSE PLANTS FOR SALE.

Having made some changes in our plans for replanting
We offer the following stock selected for our own use.

- 2,000 LIBERTY, 2½-inch pots, per 100, \$12.00.
 - 700 BRIDES, 2½-inch pots, per 100, \$10.00.
 - 3,700 BRIDES, 3½-inch pots, per 100, \$12.00.
 - 1,400 MAIDS, 2½-inch pots, per 100, \$10.00.
 - 1,200 MAIDS, 3½-inch pots, per 100, \$12.00.
 - 14,000 AM. BEAUTIES, 2½-inch pots, own roots, per 100, \$4.00.
- All plants will be shipped from Hinsdale, Ill.

BASSETT & WASHBURN,

76 Wabash Ave. CHICAGO, ILL.

WE OFFER SURPLUS STOCK

In Prime Condition. Write for prices.

- 1000 Oliver Ames, 4-inch pots.
- 2000 Mme. Ousin, 3 and 4-inch pots.
- 2000 Pierpont Morgan, 3 and 4-inch pots.
- 1000 Sunset, 3 and 4-inch pots.
- 1000 Perle des Jardins, 3 and 4-inch pots.
- 2000 Meteor.
- 3000 Bridesmaid, 3 and 4-inch pots.
- 8000 Bon Nilene.
- 1000 Isabella Sprunt.
- 500 Safrano.
- 500 Sunrise.

2000 8-inch Sprenger, extra strong, \$3.00 per 100.

JOHN BREITMEYER'S SONS,

Detroit and Mt. Clemens, Mich.
Mention the Review when you write.

Chrysanthemums.....

Rooted cuttings, \$1.50 per 100; 2½-inch pots, \$1.00 extra per 100. Opah, Willowbrook, Polly Rose, Robinson, Mayflower, Weeks, Fee du Champsaur, Princess Bassaraba, T. Eaton, Jerome Jones, Monrovia, Parr, Halliday, Appleton, Park, Bonaffon, Golden Wedding, Goldmine, Golden Beauty, Lady Harriett, Glory of Pacific, Helen Bloodgood, Dalskov, Mrs. Perrin, Chadwick, Mary Hill, Murdock, Calvat, Malcolm Lamond, Mlle. Liger and Yellow Eaton 50c each, \$5.00 per doz.

BOSTON FERNS—2½-in. \$6.00 per 100, 3-in. \$10.00 per 100; 7-in. \$1.00, 8-in. \$1.25 each; 9-in., \$1.50 each.

GERANIUMS—In bud and bloom: S. A. Nutt, Marvel, Mrs. E. G. Hill, Jean Viald, Bruant, Mme. Chevallere, Gen. Dodd Alp. Ricard, Beate Poitevine, etc., 3-in. \$5.00 per 100, 4-in. \$6.00 and \$8.00, 5 in. \$15.00.

CANNAS—Burbank, Elliott, Henderson, McKinley, Vaughan, Crozy, etc., all well started in 4-in. pots, \$3.00 and \$10.00 per 100.

ALTERNANTHERAS—2½-in. \$2.50 per 100.

COLEUS—2½-in. \$2.50 per 100, 3-in. \$3.50 per 100. Cash or C. O. D.

W. J. & M. S. VESEY, - FT. WAYNE, IND.

Mention the Review when you write.

ROSES from 5-inch pots, 15c. fine clean plants on own roots—Clothilde Souper, Coquette des Blancs, Coquette des Alps, La Reine, Gen. Jacqueminot, La France, Crimson Rambler, etc. Large flowered Clematis, finest purple, white, lavender and pink sorts, 2-year dormant or from 5-inch pots, 18c; 1 year or from 3-inch pots, 9c. Clematis Paniculata, from 5-inch pots 12c. Extra, from 6-inch pots, 25c. Ampelopsis Veltheim, from 3-in., 7c; from 4-inch, 12c; from 5-inch pots, 18c. Packing free for Cash.

W. H. SALTER, ROCHESTER, N. Y.
Mention The Review when you write.

Roses.

1,000 AM. BEAUTIES, 3-in., fine, clean stock, \$7.00 per 100.

PERLES, 3-inch, 7c; 4-inch, 12c.

METEORS, 4-inch, 10c.

All A 1 Stock.

Pittsburgh Rose and Carnation Co.
VALENCIA, PA.

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Now that Decoration Day is over
you want to look after Roses
and other Stock Plants.

Write GEO. A. KUHL,
PEKIN, ILL.,

For anything you want
in that line.

Roses, Boston Ferns and Plumosos

OUR SPECIALTY.

Mention The Review when you write.

GRAND RAPIDS VIOLET STOCK

Divisions and rooted cuttings of Imperial, M. Louise and Swanley White, \$10.00 per 1000; Lady Campbell, \$7.50 per 1000; from pots, \$25.00 per 1000.

CRABB & HUNTER,
Grand Rapids, - - - Mich.

The Florists'
Manual Tells You What You
Want to Know in the Way
You Want to be Told.

LEO NIESSEN, PHILADELPHIA.

EVERYTHING IN CUT FLOWERS in quantity.

TUBEROSES

No. 1 75c per 100, DWARF EXCELSIOR DOUBLE PEARL. No. 2 35c per 100,
\$5.50 per 1000. UNUSUAL VALUE. \$2.50 per 1000.
4-6-inch and over. 3-4-inch and over.

Gladiolus J. & S. SPECIAL MIXED 75c per 100; \$6.00 per 1000
A Clearance Sale of High Grade Bulbs regardless of their value.
JOHNSON & STOKES, 217 and 219 Market St. PHILADELPHIA, PA.
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ESTABLISHED 1802.

Thorburn's Seeds

for over a 100 years have been universally
recognized as the standard of excellence.

JUST ARRIVED!

CYCAS

Revoluta Stems

Assorted sizes running from
3 to 20 pounds each. : : :

10 lbs. and over.....	12c per lb.
25 " " " " " " " " " "	10c " "
50 " " " " " " " " " "	9c " "
100 " " " " " " " " " "	8c " "

J. M. THORBURN & CO.

36 Cortlandt St., NEW YORK.

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Dreer's Aquatic Plants.

Hardy and Tender Nymphaeas,
NELUMBIUMS in variety.
VICTORIAS, etc.

We are headquarters for all kinds of Aquatic
Plants. Now is the time to plant. Write us for
information if you are uncertain as to what to
plant or how to plant.

HENRY A. DREER

PHILADELPHIA, PA.

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Pandanus Veitchii.

Strong plants from 6-inch pots, 18 to 20 inches
high above pots, \$12.00 a dozen.

JOHN WELSH YOUNG,
GERMANTOWN, - - - PHILADELPHIA, PA.
Upsal Station, Penn. R. R.

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When Writing Advertisers.

Wholesale Cut Flower Prices.

Philadelphia, May 27.

	Per doz.
Beauties, Specials.....	\$ 2.00 to \$ 3.00
Extra.....	1.50
No. 1.....	1.00
Shorts.....	.50 to .75
Queen of Edgely, Specials.....	2.00 to 2.50
Firsts.....	1.00 to 1.50
Seconds.....	.50 to .75
Brides and Maids, Specials.....	\$1.00 to \$8.00
No. 2.....	2.00 to 8.00
Carnot.....	4.00 to 8.00
Golden Gates, Firsts.....	4.00 to 8.00
Seconds.....	2.00 to 3.00
Jacqueminot, Firsts.....	8.00 to 10.00
Seconds.....	3.00 to 5.00
Kaiserin, Firsts.....	4.00 to 8.00
Seconds.....	2.00 to 3.00
Liberty, Best Grade.....	8.00 to 15.00
Shorts.....	3.00 to 5.00
Meteors, Best.....	4.00 to 6.00
Shorts.....	2.00 to 3.00
Perles, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Sunrise, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Cattleya Mossiae.....	40.00 to 50.00
Carnations, Selects.....	.75 to 1.00
Fancies.....	1.50 to 2.00
Prosperity.....	3.00 to 4.00
Adiantum Cuneatum.....	.75 to 1.00
Asparagus plumosus, Strings.....	35.00 to 50.00
Sprays.....	1.50 to 2.00
Callas.....	5.00 to 8.00
Daisies.....	.50 to 1.00
Lily of the Valley.....	2.00 to 3.00
Mignonette, Ordinary.....	1.00
Fancy.....	1.50 to 2.00
Pansies.....	.25 to .50
Peonias.....	4.00 to 6.00
Smilax.....	12.00 to 15.00
Sweet Peas.....	.50 to 1.00

Last Call

ON Dormant Cannas.

Bouvier, Henderson, Marquant, Bur-
bank, \$1.00 per 100; \$8.00 per 1000.

Vaughan, Egandale, \$2.00 per 100.

Michigan Cut Flower Exchange,

Detroit, Mich.

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ORCHIDS..

We have the finest stock of Commercial
Orchids on this continent, established or
imported. Also all kinds of supplies for
Orchids, such as baskets, peat and fine
sphagnum.

Lager & Hurrell, Growers and
Importers... Summit, N. J.
Mention The Review when you write.

EDWARD REID,

WHOLESALE FLORIST.

Valley and Beauties

1526 Ranstead St., PHILADELPHIA.

Store closes at 8 p. m.

Long Distance Telephone.

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Eugene Bernhelmer

WHOLESALE FLORIST.

Carnations and Roses

11 South 16th Street,

PHILADELPHIA, PA.

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WILLIAM J. BAKER,

WHOLESALE FLORIST,

Carnations, Brides,

Valley and Smilax

1432 South Penn Square, Philadelphia.

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PITTSBURG CUT

FLOWER CO. Ltd.

WHOLESALE
FLORISTS,

Pittsburg, Pa.

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FOR SOUTHERN WILD SMILAX

(Where Quality is First Consideration.)

Write, Wire or Phone the Introducers

Caldwell The Woodsman Co., Evergreen, Ala.
or their agents: L. J. Kreshover, New York; J.
B. Deamud, Chicago; H. Bayersdorfer & Co.,
Philadelphia; W. F. Kasting, Buffalo; J. M.
McCullough's Sons, Cincinnati, Ohio; H. G. Ber-
ning, St. Louis, Mo.

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A. HERRMANN,

MANUFACTURER OF FLORAL METAL DESIGNS,
IMPORTER AND DEALER IN FLORISTS' SUPPLIES,
Factory, 709 First Ave., bet. 40th and 41st Sts.
Office and Warerooms, 404, 406, 408, 410, 412
East 34th St., NEW YORK.

WRITE FOR NEW CATALOGUE.

JOSEPH HEACOCK,

WYNCOTE, PA.

Grower of

Areca Lutescens, Kentia Belmoreana
and Kentia Forsteriana.

Price List for the asking.

Mention the Review when you write.

ALBERT M. HERR

LANCASTER, PA.

Carnations, Geraniums,

Smilax, Asparagus.

Correspondence Solicited.

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Charles Millang, 50 W. 29th St. New York
 Lilies and Violets "THE LILY KING." Reasonable Prices.
 Palms and Ferns Square Dealing
 OUR SPECIALTIES. Out-of-town florists promptly attended
 to. Telephone for what you want.
 Tel. 2230 Madison Square.

Established 1891.
 GEO. E. BRADSHAW. JOHN R. HARTMAN.
BRADSHAW & HARTMAN,
 Wholesale Florists,
 53 West 28th Street, NEW YORK.
 Telephone 1289 Madison Square.
 Consignments Solicited.
 Mention The Review when you write.

JAMES McMANUS, Telephone, 50 W. 30th St., NEW YORK
 Beauties, Meteors, Brides and Bridesmaids are the leaders
 THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND.
ORCHIDS A SPECIALTY.
HEADQUARTERS FOR NOVELTIES

W. GHORMLEY,
 WHOLESALE COMMISSION,
 57 W. 28th Street, NEW YORK.
 The largest commission house in America
 for Roses, Violets and all other varieties of Cut Flowers.
 My large shipping trade enables me to command the highest prices.
 Telephone 2200 Madison Square,
 which ring, connects you with all our TELEPHONES.
 Mention The Review when you write.

THE PIONEER HOUSE
 Open every day at 6 a. m.
J. K. ALLEN
 WHOLESALE FLORIST,
 106 W. 28th Street, New York City
 We ship all over the United States. Consignments realize with
 us the best market prices. Tel. 167 Madison Sq.

WALTER F. SHERIDAN,
 Wholesale Commission Dealer in
CUT FLOWERS
 39 West 28th St., NEW YORK.
 (Established 1882)
 Receiving Extra Quality American Beauties
 and all other varieties of Roses.
 Telephone 902 Madison Square. Carnations.

GEO. SALT FORD,
 Author of "HOW TO MAKE MONEY GROWING VIOLETS."
WHOLESALE FLORIST,
 46 West 29th Street, NEW YORK CITY.
 Telephone No. 3393 Madison Sq.
 CONSIGNMENTS OF ALL FIRST-CLASS FLOWERS SOLICITED.
VIOLETS our specialty.

BONNOT BROS.
 WHOLESALE FLORISTS,
 55 and 57 W. 26th St., NEW YORK.
 Cut Flower Exchange.
 OPEN ALL DAY!
 AN UNEQUALLED OUTLET FOR CONSIGNED FLOWERS.
 Telephone No. 2438 Madison Sq

JAMES A. HAMMOND,
 Wholesale Commission Florist,
 113 W. 30th St., NEW YORK CITY.
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 Consignments receive conscientious and prompt
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 The finest stock in the market always on hand.

TREES, PLANTS, BULBS, &c.
 Our Illustrated and Descriptive Price List of FOR-
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 Fruit and Ornamental Trees, Grape-vines, etc., all for
 Spring planting, will be mailed FREE to all. Address,
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Wholesale Cut Flower Prices.

New York, May 27.

	Per 100
Beauties, Specials	\$ 8.00 to \$15.00
Fancies	6.00 to 8.00
Extra	4.00 to 5.00
No. 1	2.00 to 3.00
No. 2	1.00 to 2.00
Queen of Edgely	8.00 to 20.00
Brides and Maids, Specials	3.00 to 4.00
Extra	2.00 to 3.00
No. 1	1.00 to 2.00
No. 2 .....	.50 to 1.00
Carnot	6.00 to 10.00
Cusin	2.00 to 5.00
Kaiserin	6.00 to 10.00
Golden Gates	5.00 to 8.00
Liberty	5.00 to 20.00
Meteor	1.00 to 4.00
Mme. C. Testout	6.00 to 10.00
Mrs. Morgan	5.00 to 8.00
Perles	2.00 to 3.00
Sunrise	2.00 to 4.00
Cattleyas	25.00 to 35.00
Cyrtipediums	10.00 to 12.00
Dendrobium formosum	15.00 to 25.00
Laelias	10.00 to 40.00
Carnations, Common .....	.25 to .50
Selects .....	.75 to 1.00
Fancies	1.00 to 1.50
Novelties	1.50 to 2.00
Adiantum cuneatum .....	.50 to 1.00
Farleyense	5.00 to 10.00
Croweanum	1.50
Asparagus plumosus, Strings	25.00 to 50.00
Plumosus Sprays, \$2.00 a doz. bunches.	
Sprenger Sprays, 2.00	
Lilac	50c to 75c per bunch
Peonies	2.00 to 3.00
Harrisii lilies	2.00 to 5.00
Callas	2.00 to 5.00
Valley	1.00 to 2.00
Smilax	10.00 to 15.00
Mignonette	2.00 to 3.00
Narcissus	1.00 to 1.50
Double Daffodils .....	.50 to 1.00
Trumpet Major .....	.50 to 1.00
Golden Spur .....	.50 to 1.00
Princeps .....	.25 to .50
Campanelles .....	.25 to .50
Roman Hyacinths	1.00 to 1.50
Tulips .....	.50 to 1.00
Pansies .....	.50 to 1.00
Daisies .....	.50 to 1.00
Ferns, Common, per 1000, 75c.	
Fancy, per 1000, \$1.50.	

Words fail to express the condition of the wholesale cut flower market during the past week and up to Tuesday of the present one, or it would hardly do to use the words that are ordinarily used to express the complete demoralization of the business. As with Wall street in its panics, there seemed to be no bottom. Quotations of average values cannot be given where so little of the stock was moved through the legitimate retail demand. With the approach of Decoration day the supply of stock became limited, and on Tuesday the improvement in prices began.

JOHN YOUNG
 Special American Beauties,
 Surpassing Carnations,
 Lily of the Valley, Orchids
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 51 W. 28th St., NEW YORK.
 Tel. 1905 Madison Sq.
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 42 West 28th Street
 New York
 Send for Quotations
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H. C. RIEDEL. F. D. SPICER.
RIEDEL & CO.,
 Wholesale Florists,
 34 West 29th Street, NEW YORK.
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 Telegraph your wants. Everything in the line
 of cut flowers shipped to all parts of the United
 States. Send for Weekly Price List.
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WHOLESALE FLORISTS.
 Daily Reports. Weekly Payments.
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 2084 Madison Sq. Manager.
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 12x11, containing 24 different funeral
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Beauties, Valley and Sweet Peas for
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Choice Beauties and Strings of Asparagus.

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MISCELLANEOUS
BEDDING STOCK.
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WATERTOWN, N. Y.

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4-inch pots, 10c; 5-inch pots, 20c.

Sprengerl—4-inch pots, 15c.

Canna—Dwarf Mix., 4-inch pots, 6c.

Umbrella Plants—4-inch pots, 8c.

Stevia and French Daisy—3-inch pots, 3c.

2½-inch pots—Solanums Ciliatum, Capsicastrum and Amazonium, E. Crocker Carnation, Pink and Blue Hydrangea (Genista large flowering), White Bonaffon Chrysanthemum, fine strain of Fuchsia and Egg Plants, 3c. All well established, clean plants. Cash.

M. F. LaROCHE, Collingdale, Pa.

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Wholesale Cut Flower Prices.

Cincinnati, May 27.

	Per 100
Beauties, Specials	\$25.00
Extra	\$12.50 to 20.00
No. 1	8.00 to 10.00
Shorts	3.00 to 4.00
Brides and Maids, extra	8.00
No. 1	4.00 to 5.00
No. 2	2.00 to 3.00
Golden Gates	2.00 to 8.00
Liberty	2.00 to 10.00
Meteor	2.00 to 6.00
Perle	2.00 to 4.00
Carnations, Commons	.75
Selects	1.00 to 1.50
Fancies	2.00 to 3.00
Adiantum Cuneatum	.75 to 1.50
Asparagus plumosus, Strings	50.00
Sprengerl, Sprays	2.00 to 3.00
Callas	6.00 to 10.00
Daisies	.50 to .75
Lilium Longiflorum	8.00 to 10.00
Lily of the Valley	3.00 to 4.00
Peonies	3.00 to 4.00
Smilax	12.50 to 15.00
Stocks	2.00 to 5.00
Sweet Peas	.25 to .50
Galax	.15 to 1.00
Leucothoe	.50
Common Ferns	.25

Milwaukee, May 27.

	Per 100
Beauties, Specials	\$25.00
Extras	\$15.00 to 18.00
No. 1	10.00 to 12.50
Shorts	4.00 to 8.00
Brides and Maids, Specials	6.00
Extra	4.00
No. 1	3.00
No. 2	2.00
Golden Gates	4.00 to 6.00
Kaiserin	4.00 to 6.00
Liberty	4.00 to 8.00
Meteor	4.00 to 6.00
Perle	3.00 to 4.00
Carnations, Selects	2.00
Fancy	2.00 to 3.00
Asparagus plumosus, Strings	50.00 to 60.00
Sprays	2.00 to 4.00
Sprengerl	2.00 to 4.00
Callas	8.00
Daisies	.50
Gladioli	4.00
Lilacs	1.00
Lilium Harrisii	8.00
Lily of the Valley	2.00
Pansies	1.00
Peonies	6.00
Smilax	18.00
Sweet Peas	.25
Galax	.20
Common Ferns	.40

FIRST-CLASS American Beauty Plants

Own roots, in 2¼-inch pots, \$8.00 per 100.

Yellow Eaton Chrysanthemum

The finest Mum grown. In 2¼-inch pots
50c each, \$5.00 per doz.; \$30.00 per 100.

Full line of Chrysanthemum Plants. All the popular varieties.

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Smilax—2¼-in., extra strong, \$2.00. Asparagus Sprengerl—2¼-in., extra strong, ready for 3-in., \$2.50; strong, 5-in., \$15.00. Dracaena Indivisa—2¼-in., fine, \$3.50; extra fine, 4-in., \$15.00.

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TRAENDLY & SCHENCK, Wholesale Florists

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GALAX Bronze or Green, \$1.00 per 1000; 75c per 1000 in 5000 lots.

Leucothoe Sprays; Bronze or Green, \$1 per 100.

Fancy Ferns, \$2.00 per 1000.

Green Sheet Moss, fresh stock, \$2.50 bbl. sack.

Sphagnum Moss, \$1.75 per bale.

Small Green Galax for Violets, \$1.00 per 1000

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OUR SPECIALTIES.

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GROWER
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The finest white carnation to date. Awarded Certificate of Merit at Brooklyn, scoring 91 points, the highest number awarded to any seedling. It was recently also awarded First Prize and Medal over all other Whites at Cincinnati. Extra fine cuttings, for delivery early in April, \$2.50 per doz.; \$12.00 per 100; \$100.00 per 1000.

Enchantress, Mrs. Theodore Roosevelt, Harlowarden, Sibyl, Marshall Field, Pres. McKinley, White Bradt, Fragrance, \$2.50 per doz.; \$12.00 per 100; \$100.00 per 1000.

	Per doz.	Per 100	Per 1000
Adonis	\$3.00	\$14.00	\$120.00
Her Majesty	2.00	10.00	80.00
Lillian Pond	2.00	10.00	75.00
Innocence	6.00	60.00	50.00

Other leading new and standard varieties.

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Rooms 601, 602, 603.

NEW YORK CITY.

HARRIS H. HAYDEN, Pres.

WM. A. MOORE, Vice-Pres.

JNO. E. WALKER, Sec. and Treas.

Wholesale Cut Flower Prices.

Chicago, May 27.

	Per doz.
Beauties, 36 to 40-inch stems.....	\$3.00 to \$4.00
" 30-inch stems.....	2.50
" 24 ".....	2.00
" 20 ".....	1.50
" 15 ".....	1.25
" 12 ".....	1.00
" Shorts.....	.75
Bridesmaids, Specials.....	\$5.00 to \$6.00
" Firsts.....	4.00 to 5.00
" Seconds.....	2.00 to 3.00
Brides, Specials.....	5.00 to 6.00
" Firsts.....	4.00 to 5.00
" Seconds.....	2.00 to 3.00
Kaiserin.....	4.00 to 6.00
La France.....	4.00 to 8.00
Perles, Firsts.....	5.00 to 6.00
" Seconds.....	2.00 to 3.00
Liberty, Specials.....	8.00 to 10.00
" Firsts.....	6.00 to 8.00
" Seconds.....	4.00 to 5.00
Golden Gate, Firsts.....	5.00 to 6.00
" Seconds.....	2.00 to 4.00
Meteor, Firsts.....	5.00 to 6.00
" Seconds.....	2.00 to 4.00
Mme. Chatenay, Firsts.....	8.00 to 10.00
" Seconds.....	4.00 to 6.00
Sunrise.....	4.00 to 7.00
Ivory, Firsts.....	5.00 to 6.00
" Seconds.....	3.00 to 4.00
Carnations, Fancy.....	2.00 to 3.00
" Commons.....	1.00 to 1.50
Valley.....	4.00
Harrisii Lilies.....	8.00 to 10.00
Callas.....	8.00 to 10.00
Peonies.....	6.00 to 8.00
Marguerite, Common.....	.40 to .60
" California.....	1.50
Adiantum cuneatum.....	.50 to 1.50
Asparagus plumosus, Strings.....	50.00 to 60.00
" Sprays.....	2.00 to 4.00
Asparagus Sprengeri, Sprays.....	1.50 to 5.00
Common ferns, per 1000.....	\$3.50
Galax Leaves, Bronze.....	\$1.25 per 1000
" Green.....	\$1.00 to \$1.25 per 1000

Pittsburg, May 27.

	Per 100
Beauties, Specials.....	\$30.00 to \$40.00
" Extra.....	15.00 to 25.00
" No. 1.....	6.00 to 10.00
" Shorts.....	3.00 to 4.00
Brides and Maids, Specials.....	8.00
" Extra.....	4.00 to 6.00
" No. 1.....	2.00
Cusin.....	2.00 to 4.00
Kaiserin.....	2.00 to 8.00
Liberty.....	2.00 to 12.00
Meteor.....	2.00 to 4.00
Perles.....	2.00 to 4.00
Carnations, Common.....	.75
" Selects.....	1.00 to 1.25
" Fancies.....	1.50 to 2.00
Adiantum Cuneatum.....	1.00 to 2.00
Asparagus plumosus, Strings.....	40.00 to 50.00
" Sprays.....	2.00 to 4.00
Callas.....	6.00 to 8.00
Daisies.....	.25 to 1.00
Lilium Longiflorum.....	8.00 to 12.00
Lily of the Valley.....	2.00 to 4.00
Mignonette, Ordinary.....	.50 to 1.00
" Fancy.....	1.50
Narcissus.....	.50
Pansies.....	.10 to .25
Peonies.....	6.00 to 8.00
Smilax.....	12.50 to 15.00
Sweet Peas.....	.25 to .75

Baltimore, May 27.

	Per 100
Beauties No. 1.....	\$15.00 to \$20.00
" Shorts.....	3.00 to 8.00
Brides and Maids, No. 1.....	4.00 to 5.00
" No. 2.....	3.00 to 4.00
Golden Gate.....	3.00 to 6.00
Liberty.....	3.00 to 5.00
Meteors.....	3.00 to 6.00
Perle.....	3.00 to 4.00
Sunrise.....	2.00 to 3.00
Carnations, Commons.....	1.00 to 1.25
" Selects.....	1.25 to 1.50
Asparagus Plumosus, Sprays.....	2.00
" Sprengeri, Sprays.....	2.00
Callas.....	4.00 to 5.00
Lilium Harrisii.....	5.00 to 6.00
Mignonette.....	1.50 to 2.00
Sweet Peas.....	.40 to .75

ADRIAN, MICH.—Prof. L. R. Taft discussed "The San Jose Scale in Michigan" before a joint meeting of the Michigan and Lenawee County Horticultural Societies May 12. He declared the scale to be a great menace to orchards.

E. H. HUNT

THE "OLD RELIABLE" FOR

Wholesale
Cut Flowers

Hunt's Flowers Go Everywhere.

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Write for special quotations on large orders.

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Roses and
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Wholesale and Retail
Dealer in all kinds of
EVERGREENS.GALAX, Bronze
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\$1.00 per 1000.FERNs, Fancy, \$1.50 per 1000.
Dagger, 1.00

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Fresh Stock always ready for orders.

Write, Wire or Phone. Quick Service Given.

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Manufactured by

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10,000....\$1.50; 50,000... \$6.25. Sample free.

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WHOLESALE FLORISTS AND CUT FLOWER COMMISSION.

Full line of FLORISTS' SUPPLIES and SUNDRIES.

Common Ferns\$1.50 per 1000.
Galax, Bronze or Green, 1.00 "

26 MIAMI AVENUE, **Detroit, Mich.**

Headquarters for Michigan's Famous
MT. CLEMENS VIOLETS.

Mention The Review when you write.

WM. DILGER,
Manager.

Wholesale Cut Flower Prices.
St. Louis, May 27.

	Per doz.	Per 100
Beauties, Specials.....	\$2.50 to \$3.00	
Extra.....	2.00 to 2.50	
No. 1.....	1.00 to 1.50	
Shorts.....	.36 to .75	
Brides and Maids, Specials.....	\$6.00 to \$8.00	
Extra.....	3.00 to 4.00	
No. 1.....	1.00 to 2.00	
Carnot.....	5.00 to 8.00	
Golden Gates.....	4.00 to 6.00	
Kaiserin.....	4.00 to 6.00	
Liberty.....	2.00 to 5.00	
Mme. Chateau.....	6.00 to 8.00	
Meteor.....	2.00 to 5.00	
Perle.....	2.00 to 4.00	
Sunrise.....	2.00 to 4.00	
Carnations, Commons.....	.75 to 1.00	
Selects.....	1.50 to 2.00	
Fancies.....	2.00 to 2.50	
Adiantum Cuneatum.....	1.00 to 1.25	
Adiantum Farleyense.....	1.00 to 1.25	
Asparagus plumosus, Strings.....	.35.00 to 50.00	
Sprays.....	1.00 to 1.50	
Sprengerl.....	1.00 to 1.50	
Callas.....	8.00 to 10.00	
Gladioli.....	3.00 to 4.00	
Lily of the Valley.....	3.00 to 4.00	
Mignonette, Ordinary.....	2.00 to 4.00	
Pansies.....	.25 to .50	
Peonies.....	3.00 to 4.00	
Smilax.....	15.00 to 18.00	
Stocks.....	3.00 to 4.00	
Galax.....	.15	
Common Ferns.....	.15	

Buffalo, May 27.

	Per 100
Beauties, Specials.....	\$20.00 to \$25.00
Extra.....	12.00 to 18.00
No. 1.....	8.00 to 10.00
Shorts.....	3.00 to 4.00
Brides and Maids, Extra.....	6.00 to 8.00
No. 1.....	4.00 to 5.00
No. 2.....	2.00 to 3.00
Carnot.....	2.00 to 8.00
Cusin.....	2.00 to 6.00
Golden Gates.....	2.00 to 6.00
Kaiserin.....	2.00 to 8.00
Liberty.....	2.00 to 8.00
Meteors.....	2.00 to 8.00
Mrs. Morgan.....	2.00 to 6.00
Perle.....	3.00 to 5.00
Sunrise.....	2.00 to 5.00
Carnations, Common.....	.75 to 1.00
Selects.....	1.25 to 2.00
Fancies.....	2.50 to 3.00
Novelties.....	4.00 to 6.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, Strings.....	40.00 to 60.00
Sprays.....	1.00 to 2.00
Sprengerl.....	1.00 to 5.00
Callas.....	8.00 to 10.00
Gladioli.....	4.00 to 6.00
Lilium Harrisii.....	10.00 to 12.50
Longiflorum.....	10.00 to 12.50
Lily of the Valley.....	1.00 to 4.00
Smilax.....	15.00
Sweet Peas.....	.50 to 1.00
Galax.....	.15
Leucothoe.....	.50 to .75
Common Ferns.....	.10 to .15

"IF IN DOUBT," consult the Florists' Manual, by Wm. Scott. It covers the whole field of commercial floriculture and you can quickly find in it the experience of a practical man bearing upon the doubtful point.

C. A. KUEHN WHOLESALE FLORIST
Cut Flowers and Florists' Supplies.
Manufacturers of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.
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1322 Pine Street, ST. LOUIS, MO.

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Wm. Murphy, Grower and Commission Dealer in.....
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Telephone Main 980.
130 E. 3d Street, CINCINNATI, OHIO.
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Maplewood Cut Flower and Plant Co. GEO. M. KELLOGG, Pres.
Growers of CUT FLOWERS at Wholesale.
Regular shipping orders given special attention. We have the largest plant west of Chicago.
Store: 906 Grand Ave., KANSAS CITY, MO.
Greenhouses: Pleasant Hill, Mo.

J. M. McCULLOUGH'S SONS Wholesale
FLORISTS
ALSO SUCCESSORS TO
THE CINCINNATI CUT FLOWER CO.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.
316 Walnut St., CINCINNATI, OHIO.

Wholesale Cut Flower Prices.
Detroit, May 27.

	Per 100
Beauties, Specials.....	\$30.00
Extra.....	20.00
No. 1.....	10.00
Shorts.....	\$5.00 to 8.00
Brides and Maids, Specials.....	6.00
Extra.....	5.00
No. 1.....	4.00
No. 2.....	3.00
Cusin.....	3.00 to 5.00
Golden Gates.....	3.00 to 6.00
Kaiserin.....	3.00 to 6.00
Meteors.....	3.00 to 6.00
Perle.....	3.00 to 6.00
Cattleyas.....	50.00
Cypripediums.....	40.00
Carnations, Common.....	1.00 to 1.50
Selects.....	1.50 to 2.00
Fancies.....	2.00 to 3.00
Adiantum Cuneatum.....	1.00 to 1.50
Asparagus Plumosus, Strings.....	40.00 to 50.00
Sprengerl, Sprays.....	1.00 to 3.00
Callas.....	10.00 to 12.00
Lilium Harrisii.....	8.00 to 10.00
Longiflorum.....	8.00 to 10.00
Lily of the Valley.....	3.00 to 4.00
Mignonette, Ordinary.....	2.00
Fancy.....	3.00
Peonies.....	3.00 to 5.00
Smilax.....	15.00 to 18.00
Stocks.....	2.00 to 4.00
Sweet Peas.....	.25 to .50
Galax.....	per 1000, \$1.00
Leucothoe.....	per 1000, \$6.00
Common Ferns.....	per 1000, \$1.75

The market has been glutted for two weeks, but has eased up, with not a too great advance in prices. Roses have suffered most by the warm spell. Carnations and sweet peas are plentiful, with prices low. Very fine peonies are in, with even demand. Greens are abundant.

ONE thing in favor of the REVIEW is that it is not run in the interest of any one florist.—F. W. HECKENKAMP, JR., Quincy, Ill.

Lily of the Valley.
From cold storage. Finest in the market. \$14.00 per 1000; \$1.50 per 100.
CUT VALLEY—The best always on hand.
H. N. BRUNS,
1409 W. Madison St., **CHICAGO.**

The Best Investment for Spring, 1903, is the
'Anna Foster' Fern
Plants from 3-inch pots at \$20 per 100. See Am. Florist, April 4th, page 386.
Boston Ferns—20,000 now ready at \$25.00 per 100; cut from bench. Orders booked for small Bostons, summer delivery, at \$5.00 per 100; \$40.00 per 1000.
100,000 Bedding Plants in Geraniums, Heliotropes, Ageratums, Vincas, German Ivy, Coleus, Alternantheras, Lemon Verbenas, Asters, etc.
Excellent Kentias, \$50, \$75, \$100 per 100.
Rubbers, red ribbed, 2 feet, \$6.00 per doz.
L. H. FOSTER, - Dorchester, Mass.
Mention The Review when you write.

FRANK M. ELLIS, Wholesale Florist, **St. Louis, Mo.**
1316 Pine Street,
PLENTY OF STOCK IN ALL FLOWERS IN SEASON.
A COMPLETE LINE OF FLORISTS' SUPPLIES.
Mention The Review when you write.

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The following retail florists are prepared to fill orders from other florists for local delivery on the usual basis. If you wish to be represented under this heading now is the time to place your order.

ALEXANDER McCONNELL, 546 Fifth Avenue,
Cor. 45th St., N.W.
New York City.

Telegraphic orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.
Cable Address: **ALEXCONNELL.** Telephone Calls: 340 and 341 38th Street.
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Out-of-town orders for delivery in New York carefully and promptly filled at reasonable prices..

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1294 BROADWAY,
In the heart of NEW YORK CITY.
TEL. 2270 38TH ST.
OUR MOTTO—"THE GOLDEN RULE."

HAVE YOUR RETAIL ORDERS

FILLED BY THE

GEO. WITTBOLD CO.,
1657-59 Buckingham Place, CHICAGO.

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602 Davis St., EVANSTON, ILL.

Suburb of Chicago.

Out-of-town orders of all kinds given careful and prompt attention.
Long distance phone, Evanston 56.

VASSAR COLLEGE.

Class Day, June 9th;
Commencement, June 10th.
These are both Flower days. Let

"SALT FORD"

Fill your orders as he does 75 per cent.
of the college work.

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Sievers & Boland,
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Fill all orders for Florists
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Right in the center of the city.

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DETROIT, MICH.

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U. J. VIRGIN,
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can safely entrust their orders
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know that they will be carefully and
promptly filled and at REASONABLE
PRICES.

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F. WALKER & CO.
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Long Distance Phone South 1600-1601.

**WILLIAM L. ROCK,
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Walnut St., Kansas City, Mo.**The Park
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1610 to 1620
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Fred H. Weber,
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Mrs. Chas. Eickholt,
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ASPARAGUS
Plumosus Nanus
2-inch pots,
\$3.00 per 100; \$25.00 per 1000

Asparagus Sprengeri
2-inch pots,
\$3.00 per 100; \$25.00 per 1000

ISAAC H. MOSS, GOVANSTOWN,
BALTIMORE, MD.

Now we want your Ribbon business, and we deserve it, too, if prices and the

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count for a thing. Is it not reasonable that we, as manufacturers weaving Ribbons especially for your work, and selling directly to you, can give better values and lower prices? Why you SAVE ALL BETWEEN PROFITS when buying from

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CONQUEROR—Metallique Taffeta, Nos. 5 to 80.

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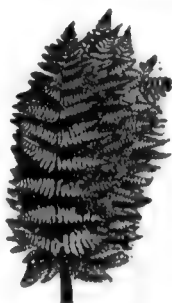
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DAGGER FERNS for Memorial Day.

ORDER FROM HEADQUARTERS.

NEW CROP DAGGER FERNS, \$1.50 per 1000.



We would respectfully inform the trade that our New Crop Dagger Ferns are now ready and are A No. 1 quality. Be sure and order them early to avoid disappointment. Once a customer, always a customer. We carry a full assortment of **FLORISTS' HARDY SUPPLIES**, as follows:—Galax, Leucothoe Sprays, Hardy Ferns, Moss, Bouquet Green, Laurel Festooning, Bundle Laurel, etc. **Extra Choice Ferns, \$2.00 per 1000. Green and Bronze Galax, \$1.00 per 1000. Laurel Festooning, 5 and 6 cts. per yard.** We trust we shall receive your orders.

REMOVAL NOTICE. On June 1st we will remove to 11 Province St., opposite City Hall.

HENRY M. ROBINSON & CO., 36 COURT SQ., BOSTON.
Telephone 2613-2 Boston.

GRAFTED ROSES.

Our Grafted Roses are fine, bushy plants, grown in 3½ and 4-inch pots, and are the best that can be produced.

Liberty, Ivory, \$18.00 per hundred.

Bridesmaids, Brides, Golden Gates, Kaiserins,
\$15.00 per hundred.

Send for catalogue.

J. L. DILLON, BLOOMSBURG, PA.

CARNATION PLANTS from POTS.

Sibyl	\$12.00 per 100	D. Whitney	\$5.00 per 100
Mrs. Theodore Roosevelt,	12.00 "	Apollo	5.00 "
Harlowarden	12.00 "	Harry Penn	5.00 "
Marshall Field	12.00 "	Gaiety	4.00 "
Penelope	5.00 "	Cressbrook	4.00 "
Alba	5.00 "	Golden Beauty	3.00 "
Stella	5.00 "	Gov. Roosevelt	3.00 "

F. DORNER & SONS CO., LA FAYETTE, IND.

Always mention the Florists' Review when writing advertisers.

CLASSIFIED PLANT ADVERTISEMENTS.

Rate for advertisements under this head, 10 cents a line net, per insertion. New advs. and changes must reach us by Wednesday morning at latest to secure proper classification in issue of Thursday.

ABUTILONS.

Abutilon Savitzii, 2-in., 50c doz., \$3.00 100.
O. Eisele, 11th and Jefferson Sts., Phila., Pa.
Abutilon Savitzii, large 4-in., 10c each.
Mayer & Son, Willow Street, Lanc. Co., Pa.

ACALYPHAS.

Acalypha marginata, fine bedder, 40c doz., \$2.50 100, \$20.00 1,000. 25 at 100 rate; 250 at 1000 rate. Good & Reese Co., Springfield, O.
Acalypha Macafeana, 2½-in., \$3.50 100.
R. Vincent, Jr. & Son, White Marsh, Md.

ACHILLEAS.

Achillea The Pearl, 2½-in. pots, 40c doz., \$2.00 100, \$17.50 1000. 25 at 100 rate; 250 at 1000 rate. Good & Reese Co., Springfield, O.

ACHYRANTHES.

Achyranthes in variety, 50c 100; 2½-in., \$2.00 100. Cash. S. S. PECKHAM, Fairhaven, Mass.
Achyranthes, in variety, 2½-in., \$2.00 100.
R. Vincent, Jr. & Son, White Marsh, Md.

AGAVES.

Agave or variegated century plants, 12 or more leaves, from 9-in. pots, \$1.00 each; 10 or more leaves, 6-in. pots, 50c each; specimen plants over 3½ ft. high, 18 leaves—can be shipped by freight, including tub, \$5.00.
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Are you looking for someone who is looking for a bargain? You'll find him—by advertising that bargain in the Review's classified ads.

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Ageratums, 2½-inch, bushy, full of bloom; Princess Pauline, Stella Gurney, White Cap, \$2.00 100; 3-inch, \$3.00 100.
Krueger Bros., Toledo, O.

Ageratums, strong, bushy plants in bloom, from 2½-inch, \$1.50 100, \$15.00 1000; cash. Wm. S. Herzog, Morris Plains, N. J.

Ageratum Stella Gurney, R. C. 60c 100; 2½-in. pots, \$2.00 100; 3-in. pots, \$4.00 100. Cash. Critchell's, Avondale, Cincinnati, Ohio.

Ageratums Pauline, Gurney and Cope's Pet, R. C. 60c 100, \$5.00 1000; 2-in. pots, \$1.50 100. Cash. Ernest Harris, Delanson, N. Y.

Ageratums, Gurney, Pauline and best white, 60c 100; prepaid. Cash.
Byer Bros., Chambersburg, Pa.

Ageratums Stella Gurney, P. P., white, R. C. 60c; 2-in., \$2.00 100.
L. Mosbaek, South Chicago, Ill.

Ageratums, variegated, 3-in., 60c doz.; \$4.00 100. C. Eisele, 11th and Jefferson Sts., Phila., Pa.

Ageratums Gurney and Pauline, 2½-in., \$1.00 100. Cash. Buckley Plant Co., Springfield, Ill.

Ageratums, 3 varieties, 2-in., \$2.00 100, cash. R. I. Hart, Hackettstown, N. J.

Ageratums, dwf. blue, 2-in. pots, \$2.00 100.
Reck & Son, Bridgeport, Conn.

Ageratum Stella Gurney, 2½-in., \$4.00 100.
Phoenix Nursery Co., Bloomington, Ill.

Ageratums, 2½-in., strong, \$2.00 100.
CHASE & SON, New London, Ohio.

Ageratums, dwf. blue, 60c 100.
S. WHITTON, 15 Gray Ave., Utica, N. Y.

ALTERNANTHERAS.

Alternantheras P. major and A. nana, 2-in. pots, \$1.50 100; \$15.00 1000. R. C. nana, 60c 100; \$5.00 1000. Cash.
Ernest Harris, Delanson, N. Y.

Alternantheras, red and yellow; strong rooted cuttings, 50c 100; \$4.00 1000. Strong plants, 2-in., \$1.75 100. Davis Bros., Morrison, Ill.

Alternantheras, fine bushy plants. Paronychoides major aurea, variegata, \$25.00 per 1000.
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Alternantheras, red and yellow, strong plants, \$2.25 100; \$20.00 1000.
Fred Rentschler, Madison, Wis.

Alternantheras, 2 varieties, 2-in., \$2.00 100. Cash.
R. I. Hart, Hackettstown, N. J.

Alternantheras, red and yellow, 2-in., \$2.50 100.
Phoenix Nursery Co., Bloomington, Ill.

Alternantheras, R. C. 50c; 2-in., \$2.00 100.
L. Mosbaek, South Chicago, Ill.

Alternantheras, 2½-in., \$1.50 per 100.
Texas Nursery Co., Sherman, Tex.

Alternantheras, 2½-in., \$2.50 100.
W. J. & M. S. Vesey, Fort Wayne, Ind.

ALYSSUM.

Alyssum, double, 2½-in., 50c doz., \$3.00 100.
O. Eisele, 11th and Jefferson Sts., Phila., Pa.

Sweet alyssum, dbl., 2-in., \$1.50 100, \$12.50 1000.
N. C. Moore, Batavia, Ill.

Alyssums dbl. giant and dwf., 2-in., \$2.00 100.
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Alyssum giant dbl. from 2-in. pots, \$2.00 100.
Reck & Son, Bridgeport, Conn.

Alyssum dbl. Giant, 2-in., \$1.50 100. Cash.
Buckley Plant Co., Springfield, Ill.

Alyssums, dbl. giant, 2-in., \$2.00 100.
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Ampelopsis Veitchii, strong seedlings fit to pot, \$1.00 100, postpaid. Cash.
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Ampelopsis Veitchii, 3-in., 7c; 4-in., 12c; 5-in. 18c. Packing free for cash.
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Ampelopsis Veitchii, 2½-in., \$3.00 100.
National Plant Co., Dayton, Ohio.

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ANTHEMIS CORONARIA.
Double dwarf Golden Marguerite, \$2.00 per 100 by mail. J. W. MORRIS, Utica, N. Y.

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Anthericum variegatum, 3-in., 75c doz.; \$5.00 100. C. Eisele, 11th and Jefferson Sts., Philadelphia, Pa.

AQUATICS.

WATER LILIES AND AQUATIC PLANTS.
We have a fine collection of the above, true to name. Send for price list.
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ARAUCARIAS.

ARAUCARIA EXCELSA, 3 and 4 tiers, very fine, \$1.25 each; \$12.00 doz.

Araucaria glauca, 3 and 4 tiers, \$1.25 to \$1.50 each; \$15.00 doz. Cash with order.

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Araucaria excelsa, 2-in., 1 to 2 tiers, \$16.00 100. Araucaria imbricata, 2½-in., strong, stocky, \$10.00 100.

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Araucaria excelsa, 2 to 3 tiers, \$5.25 per doz.; 3 to 4 tiers, \$7.50 per doz.

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Asparagus plu. nanus, 2½-in. pots, 50c per doz., \$3.00 100, \$25.00 1000. A. Sprenger, 2½-in. pots, 40c doz., \$2.50 100, \$20.00 1000. A. Sprenger, 3-in. pots, fine, 75c doz., \$5.00 100. A. comorensis, 2½-in. pots, grows stronger than plu., 50c doz., \$3.00 100, \$25.00 1000. 25 at 100 rate; 250 at 1000 rate. Good & Reese Co., Springfield, O.

Asparagus Sprenger, 2½-in., \$3.00; 3-in., \$4.00; 4-in., \$8.00; 5-in., \$15.00; 6-in., \$25.00 100.
J. H. Bornhoeft, Tipton, Ind.

Asparagus Sprenger, 4-in., \$7.00 100; 2½-in., \$3.00 100. Cash. Samuel J. Bunting, Elmwood Ave. and 58th St., Philadelphia, Pa.

10,000 strong Asparagus Sprenger, 2½-in., \$20.00 per 1000. Samples sent on application.
WALKER & McLEAN, Youngstown, O.

Asparagus Sprenger, 2-in., \$2.00, 3½-in., \$2.50, 3-in., \$3.00 100. Express prepaid.
Loomis Floral Co., Loomis, Cal.

Asparagus Sprenger, 3, 3½ and 4-in., ready to shift, \$4.00, \$5.00 and \$7.00 100.
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ASPARAGUS PLUMOSUS NANUS.

Cut strings, 50 cents each.

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Asparagus from flats ready for potting. Sprenger, \$1.00 100, \$7.00 1000.

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Asparagus Sprenger, fine plants, \$2.00 100.
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Make us an offer for 400 extra strong Asparagus plumosus from beds.

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Asparagus plumosus, all sizes.
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Aspidistras, green and variegated, fine plants very cheap to make room, \$12.00, \$18.00 and \$24.00 doz. Cash with order.

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ASTERS.

Semple's, separate colors—white, rose, shell pink, purple and lavender—\$2.50 per 1000. Cash with order. Write for prices on large lots. Queen of the Market, mixed, 50c per 100.
A. & G. Rosbach, Pemberton, N. J.

20,000 Semple's and Vick's branching and Carlson's imp., separate colors or mixed; strong, transplanted, \$10.00 1000.

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Asters Purity, Daybreak, White Early Market, Comet and Branching, fine plants, 50c 100; \$3.00 1000. Cash. Ray H. Palmer, Randolph, N. Y.

10,000 fine chrysanthemum-flowered aster plants, \$3.00 per 1000 f. o. b. Cash.
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Asters, in pots. Comet, Truffant's, Victoria and Semples, mixed varieties, \$1.00 per 100.
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Asters, transplanted, 60c 100; \$5.00 1000.

All the best var.
Converse Greenhouses, Webster, Mass.

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Bananas, well-rooted plants by express, \$2.00 doz. Bulbs, \$1.50, postpaid.

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BAY TREES. Cheap to make room—at cost price. Stock limited and very fine. Order quick.

STANDARD BAYS.

28-in. crown diameter, per pair.....\$12.00

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4-ft. crown diameter, per pair.....30.00

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If to be shipped outside New York, add \$1.00 for each pair for packing. Cash with order, please.

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Bay Trees. Have just received a fine lot of standards and pyramids.

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Bay Trees. Largest stock in America.
JULIUS ROEHRS, Rutherford, N. J.

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We beg to offer the following choice assortment of bedding stock for prompt delivery. All plants are strong, clean and healthy. We guarantee careful selection and packing.

Geraniums, coleus, cannas, caladiums, salvias, Sallerol geraniums, lobelias, pansies (transplanted), verbenas (transplanted), Paris daisies, hardy pinks, sweet alyssums, alternantheras, vincas, Cobaea scandens, castor beans, dusty millers (transplanted), Gnaphalium linnatum. Write for prices.

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Extra fine stock for immediate delivery.

Geraniums, S. A. Nutt and Grant, 4-in., \$8.00 100.

Mme. Sallerol, 2½-in. (equal to any 3-in.), \$3.00 100.

Salvia splendens, 3-in., \$3.00 100.

Pyrethrum (Golden Feather), 2-in.; verbena, 2½-in. in bloom; coleus, 2½-in.; geraniums, assorted, 2½-in., \$2.00 100.

Asters, Victoria, named colors, fine, healthy stock, transplanted, \$1.00 100.

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Coleus Red Verschaffeltii, Yellow Queen, and three other first-class varieties; Heliotrope, dark blue; Ageratum Cope's Pet, from 2½-in. pots, \$2.50 100; \$20.00 1000; 250 at 1000 rate.

Cash with order. These plants are strictly first class.

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 500 Mme. Crozy cannas, 3-in. \$5.00
 500 Mixed cannas, 3-in. 5.00
 700 S. A. Nutt geraniums, 3-in. 4.00
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 Heliotrope, 3-in. pots. 3.00
 Petunias, grown from Dreer's Double Seed. 3.00
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 WM. KEIR, Pikesville, Md.

Bedding plants. Geraniums, from 3 and 4-in. pots, all double, in bud and bloom, \$5.00 100; Salvia, Silver Spot and splendens, from 2½-in. pots, strong, \$3.00 100; transplanted seedlings from bench, \$2.00 100; double and single fringed petunias, in bud and bloom, 3-in. pots, \$4.00 100; double sweet alyssum, 2½-in. pots, \$2.00 100. Cash.
 C. LAWRTZEN, Rhinebeck, N. Y.

Geraniums—4-in. pots, in bloom, assorted, \$8.00 per 100. Coleus—Yellow, red and assorted, 2½-in. pots, \$3.00 per 100. Asters, verbenas, heliotrope and Caladium esculentum. Crimson Rambler roses, 4-in. pots, \$12.00 per 100. Cash with order.
 C. S. Chase, Dighton, Mass.

100,000 bedding plants, in geraniums, heliotrope, ageratums, vincas. German Ivy, coleus, alternantheras, lemon verbenas, asters, etc.
 L. H. FOSTER, Dorchester, Mass.

Bedding plants in more than 200 varieties. Price list ready. Call or write.
 L. Mosbaek, 8500 Anthony Ave., So. Chicago, Ill.

BEGONIAS.

Begonia Gloire de Lorraine, 2½-in. pots, \$15.00 per 100. Write for prices on large lots. Stock guaranteed absolutely free from disease.
 THOMAS ROLAND, Nahant, Mass.

Begonia Gloire de Lorraine, guaranteed first-class stock; June and July delivery, \$15.00 100. S. S. Skidelsky, 708 No. 16th St., Phila., Pa.

Begonias Argenteo-guttata, metallica, Thurstoni and Margaritae, 2½-in., \$2.50 100. Cash.
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Begonias Dewdrop and Thurstoni, \$2.00 100. Manicata aureo, strong plants, \$5.00 100.
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Rex begonias, a number of the best varieties, 2-in., \$4.00; 2½-in., \$8.00 100.
 N. O. CASWELL, Delavan, Ill.

Begonia Rex, assorted, best var., 2½-in., \$5.00 100; 3-in., \$8.00 100.
 Greene & Underhill, Watertown, N. Y.

B. Rex, named, 2-in., \$3.00 100. R. C., \$1.50 100. Cash. DANN & SON, Westfield, N. Y.

Begonias, flowering, 6 best vars., 50c doz., \$3.00 100. Good & Reese Co., Springfield, O.

Tuberous rooted begonias, 4-in., fine, \$8.00 100. W. H. Gullett & Sons, Lincoln, Ill.

Begonia Vernon, 2-in., in bloom, \$2.00 100. N. P. Colberg, Morris, Ill.

Rex begonia, 2 and 3-in., \$4.00 and \$6.00 100. Geo. M. Emmans, Newton, N. J.

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Jerusalem cherries and Japanese peppers, 2½-in., \$2.50 100.
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BOUGAINVILLEAS.

Bougainvillea Sanderiana, 2½-in. pots, fine stock for shifting on, 75c doz., \$5.00 100, \$4.00 1000. 25 at 100 rate; 250 at 1000 rate. Good & Reese Co., Springfield, O.

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TUBEROSES. 100 1000
 Strictly No. 1, 4-6-in. \$0.90 \$7.50
 No. 2, 3-4-in.50 3.00
 Caladium esculentum, sound bulbs with live center shoots. Each 100
 5 to 7-in.03 \$2.00
 7 to 9-in.04 3.00
 7 to 12-in.07 6.00
 12-in.14 13.00
 Orders will be filled in rotation. Not less than \$5.00 order will be filled at these prices. Cash with order from unknown firms.
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TUBEROSES. Dwarf Excelstor, Double Pearl, No. 1, 4-6 in. and over, 75c 100, \$5.50 1000. No. 2, 3-4 in. and over, 35c 100, \$2.50 1000. Clearance sale of high-grade bulbs regardless of their value.
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"ARMSTRONG'S EVERBLOOMING TUBEROSE" is the only tuberose to grow for cut flowers—Julius Koenig.
 Good bulbs for \$2.50 100.
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Ismene calathina, large-blooming bulbs, \$6.00, \$3.00 and \$10.00 1000. Hybrid Amarylils, finest in the country, \$6.00 doz.; \$40.00 100.
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Tuberose, the true dwarf Excelstor Pearl, extra fine stock, 4 to 6 in. circ., \$7.00 1000; 3 to 4 in., \$3.00 1000.
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Caladium bulbs, large size, 3c each.
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Cacti, \$5.00 to \$8.00 per 100.
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Caladium New Century, the flowering caladium, 75c doz., \$5.00 100. Good & Reese Co., Springfield, O.

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Cannas. A few hundred extra strong plants from 3-in. pots, in the following varieties: Florence Vaughan, \$3.00 per 100; Chas. Henderson, Queen Charlotte, Pres. McKinley, Pres. Cleveland, \$4.00 per 100.
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All our CANNAS are plants from pots ready to move right off. They are much superior to dormant roots: Egandale, Mme. Crozy, Mile. Berat and Queen Charlotte, 50c doz., \$3.50 100, \$30.00 1000. 25 at 100 rate; 250 at 1000 rate.
 GOOD & REESE CO., Springfield, O.

Cannas, fine plants, 12 to 15 inches high. Paul Marquant and A. Bouvier, \$3.00 per 100. The orchid-flowered canna Burbank, \$2.50 per 100. Extras added to help pay expressage.
 THE FAIRVIEW FLORAL CO., Beatty, O.

New white canna, MT. BLANC, very fine bloomer and fine form; an excellent bedder; 75c each, \$7.50 doz., \$50.00 100 for pot plants; 50 other new and standard kinds; write for list.
 The Conard & Jones Co., West Grove, Pa.

Cannas Pierson, Henderson, Mme. Crozy, Souv. de Crozy, McKinley, Burbank, Alemannia, F. Vaughan, Queen Charlotte and Egandale from 3 and 4-in. pots, \$5.00 and \$7.00 100. Cash with order.
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Cannas, strong plants, 3-in. pots, \$3.00 100. Pres. McKinley, Pres. Cleveland, Pres. Carnot, Italia, F. Vaughan and C. Henderson. Austria and good mixed plants, \$1.50 100.
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CANNAS. 10,000 extra fine roots, also a few thousand from 3 and 4-in. pots for \$9.00 per 1000 and up. Write for varieties and prices.
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Cannas Crozy, Vaughan, Henderson, Charlotte, Austria and Flamingo, large 4-in., thoroughly pot-bound, \$6.00 100.
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Cannas. Fine plants of A. Bouvier, Queen Charlotte, Burbank and Pres. Cleveland, 3-in., \$3.50 100. Cash, please.
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Cannas, 3-in. pots, 60c doz., \$4.00 100; dormant roots, mixed, \$1.00 100. Robusta, large roots, \$2.00 100.
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Cannas, strong plants. Poitevine, Bouvier, Columbia, Mme. Crozy, Fl. Vaughan, Bismarck, etc., \$6.00 100.
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CANNAS. An exceptionally fine lot; 50 best sorts.
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Cannas, dormant roots, just starting. F. Vaughan, A. Bouvier, C. Henderson, \$1.25 100.
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Cannas, 10 best standard, named; potted, 4-in., \$6.00 100. Dormant, \$2.00 100. Cash.
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Cannas, started plants from 3-in. pots, good selection of varieties, \$4.00 per 100.
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Splendid collection; stock fine. Write.
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Dwarf cannas, mixed, 4-in., 6c.
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Last call. Have decided to grow only Beauties next season and have the following to offer:

	From soil.	From sand.	100.
Wolcott	75	1000	\$3.50
Alba	75	350	3.50
Cressbrook	75	600	3.50
Higinbotham	75	750	3.50
Dorothy Whitney	..	200	4.00
Palmer	..	200	3.00
Roosevelt	..	750	1.75
Norway	500	..	1.25

Grand Rapids Violet Co., Grand Rapids, Mich.

NEW CARNATIONS. Gov. Lowndes, fine large commercial white. Enchantress, Mrs. Roosevelt, Harlowarden, Sibyl, Marshall Field, Pres. McKinley, White Bratt, Fragrance, \$2.50 doz.; \$12.00 100; \$100.00 1000.

	12.	100.	1000.
Adonis	\$3.00	\$14.00	\$120.00
Her Majesty	2.00	10.00	80.00
Lillian Pond	2.00	10.00	75.00
Innocence	..	6.00	50.00

Other leading new and standard varieties.
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Carnation plants from pots.

	100.	100.
Sibyl	\$12.00	D. Whitney.....\$5.00
Mrs. Roosevelt	12.00	Apollo.....5.00
Harlowarden	12.00	Harry Fenn.....5.00
M. Field	12.00	Gaiety.....4.00
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Alba	5.00	Golden Beauty.....3.00
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Rooted carnation cuttings. MARQUIS, JOOST, EVANSTON, PROSPERITY, \$1.25 per 100; \$10.00 per 1000.
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Strong rooted cuttings of Crocker carnation, from soil, 75c 100; \$5.00 1000. Cash. Send for sample.
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McGowan and Scott, from cold-frame, \$2.00 100, \$15.00 1000.

C. Elsie, 11th and Jefferson Sts., Phila., Pa.
 Lord and Crocker, from soil; fine stock, \$1.00 100.
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Carnation cuttings, cheap. Price on application.
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Centaurea gymnocarpa, 2-in., 2.00 100. Cash.
 C. P. Dieterich & Bro., Maysville, Ky.

Centaurea gymnocarpa, 2-in., \$2.00 100. Cash.
 Jos. H. Cunningham, Delaware, O.

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CHRYSANTHEMUMS.

Chrysanthemums. Rooted cuttings and 2½-in.	Per 100	Per 100
WHITE.	R. C.	2½-in.
Estelle	\$3.00	\$ 5.00
Geo. S. Kalb	2.00	2.50
Willowbrook	2.00	3.00
Lady Fitzwygram	1.50	2.50
Ivory	1.50	2.50
Robinson	1.50	2.50
Jerome Jones	1.50	2.50
Wanamaker	1.50	2.50
Timothy Eaton	2.00	3.00
White Bonnaffon	2.00	3.00
Merry Christmas	2.00	3.00
Chadwick	2.50	4.00
PINK.		
Lady Harriet	3.00	4.50
Glory d'Pacific	1.50	2.50
Morel	1.50	2.50
Perrin	1.50	2.50
Xeno	2.00	2.50
Maud Dean	2.00	2.50
Murdock	1.50	2.50
Quito	2.50	3.50
Pink Ivory	1.50	2.50
Richardson	25.00	
Liger	20.00	
Lavender Queen	2.00	3.00
YELLOW.		
Robt. Halliday	3.00	4.00
Carrington T.	3.00	4.00
E. D. Smith	1.50	2.50
Monrovia	1.50	2.50
Parr	1.50	2.50
October Sunshine	1.50	2.50
Yellow Fitzwygram	1.50	2.50
Whildin	1.50	2.50
Appleton	1.50	2.50
Bonnaffon	1.50	2.50
Pennsylvania	2.00	3.00
Yellow Jones	2.00	3.00
Eclipse	2.50	3.50
Golden Wedding	2.00	3.00
Rleman	2.00	3.50
Goldmine	2.00	3.00
O. P. Bassett	1.50	2.50
Yellow Eaton	25.00	
Chautauqua Gold, fine	5.00	6.50
RED.		
Childs	2.00	3.00
Intensity	3.00	4.00
Shrimpton	2.00	3.00
BRONZE.		
Lady Hanham	2.00	3.00

POEHLMANN BROS. CO., Morton Grove, Ill.

CHRYSANTHEMUMS—2½-INCH POTS.
Eaton, Mrs. Chamberlain, Mrs. Jones, Lincoln, October Sunshine, Ivory, Appleton, Halliday, Shaw, Pacific, Parr, Adele, Monrovia, Willow Brook, Bonnaffon, Pink Ivory, Polly Rose, Lavender Queen, Montmort, \$3.00 per 100.
Maud Dean, Golden Beauty, Chadwick, Golden Wedding, Childs, Intensity, \$4.00 per 100.
Kate Broomhead, Alice Byron, \$6.00 per 100.
Convention Hall, F. J. Taggart, 60c each, \$5.40 per doz.
Yellow Eaton, Mlle. Liger, 50c each, \$5.00 per doz.
Reduction on large orders. Send for complete list.
H. WEBER & SONS, Oakland, Md.

CHRYSANTHEMUMS.
White. 100. Pink. 100.
Mme. Diederich \$10.00 Mrs. Coombes \$3.00
Mme. Carbury 10.00 Kan. City Star 2.00
Adrian 2.00 Yanariva 1.50
Calvat '99 2.00 Lavender Queen 2.00
Mrs. Tranter 2.50 White Flushed 2.00
Polar Queen 2.00 Colette 2.50
Yellow. Bronze.
Mrs. Taggart \$3.00 Edgar Sanders 2.00
Prices are for rooted cutting. Can ship promptly. Not less than 25 of a kind at above rates.

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White—Kalb, Kuno, Willowbrook, Mrs. Robinson, Mrs. Weeks, Mayflower, White Bonnaffon, Yellow—Henderson, Monrovia, Nesota, Mrs. E. Smith, Goldmine, G. Wedding, Rleman, Yellow Jones, Pink—Perrin, Merula, Shaw, Dean, \$1.50 per 100. Halliday, Opah, Superba, Black Hawk, \$2.00 per 100. Pot plants, \$3.00 per 100.
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Chrysanthemums, fine plants, now ready, \$2.00 per 100. Mrs. Egan, Glory Pacific, Simplicity, Indiana, Bonnaffon, Mrs. H. Weeks, Eda Press, Queen, Mrs. O. P. Bassett, Mrs. J. C. Whildin, Mrs. J. Lewis Childs, Robinson, Helen Bloodgood, Pink Ivory, Mrs. Perrin, Dorothy Toler and Monarch of Ostrich Plumes. Extras added to help pay expressage.
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Chrysanthemums, well rooted cuttings, in following varieties. Stock guaranteed or money refunded. \$12.00 per 1000. Eaton, Nivens, White Queen, Yellow Queen, Silver Cloud, May Queen, Bonnaffon, Golden Gate, J. W. Childs, Golden Trophy, Mrs. Perrin, Morel, Pacific, Maud Dean. Plants from 2-in. pots, \$20.00 per 1000. Cash with order.
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R. VINCENT, JR. & SON, White Marsh, Md.

Chrysanthemums, strong, 2½ and 3-in., ready to plant, \$3.00 100. Polly Rose, R. Halliday, J. K. Shaw, Eaton, Appleton, Mrs. E. D. Smith, white and yellow Jones, G. Wedding, May Foster, white and yellow Bonnaffon, M. Lamond, etc. HARKETT'S FLORAL NURSERY, Dubuque, Ia.

Chrysanthemum rooted cuttings. Per 100:
Chadwick \$2.00 Eaton \$2.00
Jones, white 1.50 Jones, yellow 1.50
Ivory 1.50 Bonnaffon 1.50
Lavender Queen 1.50
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20,000 2½-in. mums ready to ship. Eaton, Appleton, Maud Dean, Ivory, Bonnaffon and 40 other good kinds at \$2.25 100; 300 our selection for \$5.00. No. 1 plants and we give liberal count to help pay express. Write us for other kinds.
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Chrysanthemums. Bonnaffon, Glory of Pacific, Pink Ivory, Halliday, Whildin, Egan, Modesto, Weeks, Pres. Smith, 25 other kinds, rooted cuttings, \$1.00 100. Prepaid for 10c extra.
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Chrysanthemum rooted cuttings. White—Eaton, Wanamaker, Kalb, Jerome Jones. Yellow—Appleton, Bonnaffon, Mrs. J. Jones, Golden Beauty, \$1.50 100; \$12.50 1000.
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Chrysanthemums. The new white wonder in early chrysanthemums—Estelle, pure white; R. C. \$5.00 100; 2½-in. pots, ready to plant, \$10.00 1000. Cash.
Crittchell's, Avondale, Cincinnati, Ohio.

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Chrysanthemums. Bonnaffon, Ivory, Polly Rose, Pacific, Eaton, Appleton and others, 2-in., fine stock, \$1.75 100; \$15.00 1000.
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300 Lady Harriet, 72 Nellie Pickett, 20 Mrs. Coombs, 40 T. Eaton, out of 2½-in., fine plants. How much for the lot, cash.
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Yellow Eaton, the finest mum grown, 2½-in., 50c each; \$5.00 doz.; \$30.00 100. Full line of chrysanthemum plants.
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Chrysanthemums, large, strong plants, 2½-in. pots. Bonnaffon, \$1.25 100. T. Eaton, \$2.00 100.
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Chrysanthemums, Glory of Pacific, Polly Rose, T. Eaton and Appleton, 2½-in., to clean out at \$1.50 100. A. B. Campbell, Cochranville, Pa.

Chrysanthemums, Major Bonnaffon, good stock, 2-in., \$2.00 100; R. C., \$1.25 100; or will exchange for coleus. Duly Bros., Randolph, Mass.

Chrysanthemums all the leading sorts. We have 100 varieties to offer; 40c doz., \$3.00 100. Good & Reese Co., Springfield, O.

100,000 rooted A1 chrysanthemum cuttings in all standard varieties. For prices write
WM. SIM, Cliftondale, Mass.

Chrysanthemums, 20 best named varieties; rooted cuttings, \$1.25 100, \$10.00 1000.
C. Humfeld, Clay Center, Kan.

Chrysanthemums Bonnaffon, Mrs. Robinson, Appleton and others, \$2.00 100.
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Strong rooted Bonnaffon, 90c 100.
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Large-flowered clematis, 2-yr., dormant, or from 5-in., 18c; 1-yr. or from 3-in., 9c; C. paniculata, 5-in., 12c; extra from 6-in., 25c. Packing free for cash.
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Clematis, strong pot-grown plants in 10 to 15 leading kinds, all colors. Two years, 25c each; \$2.50 doz.; \$20.00 100. One year, \$1.50 doz.; 12.00 100. F. A. BALLER, Bloomington, Ill.

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Phoenix Nursery Co., Bloomington, Ill.

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Cobaea scandens, extra strong 3-in., 3-ft., staked, \$4.00 100. Cash.
Wm. S. Herzog, Morris Plains, N. J.

Cobaea scandens, 3-in., 75c doz.; \$5.00 100. C. Elsele, 11th and Jefferson Sts., Phila., Pa.

Cobaea scandens, 3-in., strong, \$5.00 100.
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Cobaea scandens, 3-in., 4c. Cash.
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COLEUS. Brilliance, Miltonia, Dewey, Cuba Libre and Hamer, 50c doz.; good strong plants from pots. A number of standard varieties, in mixture, 60c 100.
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Coleus, including Verschaffeltii, Hero and all the best bedders, 2½-in., pots, 30c doz., \$2.00 100, \$17.50 1000. 25 at 100 rate; 250 at 1000 rate.
Good & Reese Co., Springfield, O.

Coleus Golden Bedder, Verschaffeltii, and Giant-leaved, fancy mixed, strong, 2½-in., \$1.75 100, \$16.00 1000. Cash.

Wm. S. Herzog, Morris Plains, N. J.
Golden Verschaffeltii, 2½-in., strong, \$2.00 100; rooted cuttings, 60c 100.
G. A. Thiele, 1309 Sellers St., Frankford, Phila., Pa.

Coleus, 2½-in., Golden Bedder, Golden Pink and Crimson Verschaffeltii, Annie Pfister, Massey and other varieties, \$2.00 100.
R. VINCENT, JR. & SON, White Marsh, Md.

Coleus Verschaffeltii and G. Bedder, R. C. 60c 100; \$6.00 1000. 20 var., 60c 100; \$5.00 1000. Cash.
Ernest Harris, Delanson, N. Y.

Coleus in variety, 2-in., \$2.00 100; \$17.00 1000. R. C., 60c 100; \$5.00 1000.
E. B. Randolph, Delavan, Ill.

Coleus R. C. G. Bedder, 60c per 100; \$5.00 per 1000; 2½-in., \$2.00 100.
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Coleus, 2½-in., \$2.50 100; 3-in., \$3.50 100. W. J. & M. S. Vesey, Fort Wayne, Ind.

Coleus, assorted, strong, 2½-in., \$3.00 100. Phoenix Nursery Co., Bloomington, Ill.

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Coleus, assorted, 2-in., \$2.00 100. Cash. R. I. Hart, Hackettstown, N. J.

Coleus, Golden Bedder, \$1.50 per 100. Davis Bros., Morrison, Ill.

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Crotons, in ten best sorts, 2½-in. pots, 50c doz., \$3.00 100, \$27.50 1000. 25 at 100 rate; 250 at 1000 rate. Good & Reese Co., Springfield, O.

CUPHEAS.

Cuphea tricolor, highly colored flowers, 30c doz., \$2.00 100. Good & Reese Co., Springfield, O.

Cupheas, 2½-in. pots, \$2.00 100. Cash. Critchell's, Avondale, Cincinnati, Ohio.

Are you looking for someone who is looking for a bargain? You'll find him—by advertising that bargain in the Review's classified ads.

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Cycas revoluta stems, assorted sizes, 3 to 20 lbs. each.

10 lbs. and over.....12c per lb.
25 lbs. and over.....10c per lb.
50 lbs. and over.....9c per lb.
100 lbs. and over.....8c per lb.
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CYCAS STEMS, 2 to 3 lbs., 4 to 5 lbs., and 6 to 7 lbs., \$7.50 100 lbs.; \$65.00 1000 lbs. Stump & Walter Co., 50 Barclay St., N. Y.

Cycas revoluta, 1 to 6 lbs., 10 lbs. \$1.00; 100 lbs. \$7.50; 1000 lbs. \$65.00.
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Cycas stems, 8½c per lb.
PLANT SEED CO., St. Louis, Mo.

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Cyclamen persicum gigan., finest strain, in four true colors, transplanted from flats, \$3.00 100; \$25.00 1000. Extra fine plants from 2½-in. pots, \$5.00 100; \$45.00 1000.

Paul Mader, E. Stroudsburg, Pa.

Cyclamen, red, pink, white, white with eye, and Daybreak, extra fine color, flowers very fragrant; no better strain growing; \$2.00 100, \$17.50 1000; from flats, once transplanted.

C. WINTERICH, Defiance, Ohio.

DAHLIAS.

Dahlias, field-grown roots, named varieties, \$5.00 100; our selection, \$4.00 100. Mixed double varieties, \$3.00 100; mixed single, \$2.00 100.

Wagner Park Conservatories, Sidney, O.

Dahlias and Gladioli, from East Bridgewater Dahlia Gardens. If you are looking for something new and wish to keep up-to-date, send for my spring catalogue.

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Shasta daisies, 2½-in. pot plants, \$3.00 100. STORRS & HARRISON CO., Painesville, O.

Dbl. daisies, large plants, 60c 100, \$5.00 1000. S. Whitton, 15 Gray Ave., Utica, N. Y.

Marguerites, yellow, 2½-in., \$2.50 100. S. S. Peckham, Fairhaven, Mass.

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Dracaena indivisa, 5-in., ready for 6-in. pots, \$2.50 per doz.; 6-in., ready for 7-in. pots, \$3.50 per doz. Rockville Greenhouses, Box 327, Rockville Centre, L. I., N. Y.

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Dracaena indivisa, 4-in., 10c; 5-in., 20c each. M. F. LaRoche, Collingdale, Pa.

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ASSORTED FERNS for dishes, from 2½-in. pots, \$3.00 per 100; \$25.00 per 1000. 250 at 1000 rate.

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Feverfew, very strong, 2½-in. pots, \$2.00 100. C. M. Nuffer, Springfield, Ohio.

Feverfew, Little Gem, 2-in., \$2.00 100, \$18.00 1000. N. C. Moore, Batavia, Ill.

Feverfew, 2½-in., \$2.25 100. Converse Greenhouses, Webster, Mass.

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Forget-me-nots, blue, large-flowering, 2½-in., \$2.50 100. R. Vincent, Jr., & Son, White Marsh, Md.

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GERANIUMS.

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Geraniums A. Ricard, Beaute Poitevine, F. Perkins, in 3 and 3½-in. pots. Jean Vland, Mme. Buchner, J. J. Harrison, Mme. Landry, in 3½ and 4-in. pots. S. A. Nutt, in 3, 3½ and 4-in. pots. Mme. Jaulin, Richelleu, Pasteur, Kelway, in 3½-in. pots. Prices: 3-in., \$5.00; 3½-in., \$6.00; 4-in., \$7.00 per 100. Mme. Sallerol, 2½-in., \$2.50 per 100. J. B. Shurtliff & Son, Cushman Ave., Revere, Mass.

Geraniums, elegant, bushy, strong plants, in bud and bloom. Dbl. Gen. Grant, S. A. Nutt and Poitevine, extra strong, 3½ and 4-in., \$4.50 100; 3-in., \$3.00 100; 2½-in., \$1.75 100. Extra double mixed geraniums, bushy 4-in., \$4.00 100. Mme. Sallerol, fine, bushy, strong 3-in., \$2.50 100; 2½-in., \$1.75 100. Cash.

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Strong geraniums in bud and bloom. Double—C. Harcourt (best white), dbl. Grant, J. Doyle, Nutt, Ricard, Vland, Mme. Landry, etc. Single—Bellerophon, Cleary, L. Aube, Marg. de Layre, Granville, Neptune, Hill, Bruant, etc.; 3-in., \$6.00 100; 4-in., \$8.00 to \$10.00 100.

Harkett's Floral Nursery, Dubuque, Iowa.

Geraniums, cut-leaved rose (Dr. Livingston), 50c per doz., \$3.00 100. Silver Leaf, 50c doz., \$3.00 100. Distinction, 50c doz., \$3.00 100. Mme. Pollock, 75c doz., \$6.00 100. Cash with order. P. J. Agnew, Johnson av., Springfield, O.

Geraniums, S. A. Nutt, large in bloom, 4-in., \$7.00 100, \$65.00 1000; 2½-in., \$2.50 100, \$20.00 1000. Mme. Sallerol, 2-in., \$2.00 100, \$18.00 1000. Rose, extra strong, 2½-in., \$2.50 100. N. C. Moore, Batavia, Ill.

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Geraniums in good variety, double and single, 2½-in., \$2.00 100. Scented—Nutmeg, Lemon, Oak-Leaved and variegated-leaved, \$3.00 100.

R. Vincent, Jr. & Son, White Marsh, Md.

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Geraniums, good 3-in. stock. Beaute Poitevine, Montmort, Ville de Port, Pasteur, Le Soleil, Castellane, \$3.00 100. Cash. Harry Donnelly, Sta. B. Cincinnati, O.

Geraniums, Nutt and other varieties, from 4-in. pots, \$7.00 100; 3-in., \$5.00 100. No runs, no drawn plants, but our well-known A No. 1 stock. B. Hasselbring, Flint, Mich.

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3,000 fine thrifty geraniums, 3-in., \$4.00; 3½-in., \$5.00; 4-in., \$7.00 100. Ivy geraniums, finest varieties, 4-in., \$7.00 100. W. H. Gullett & Sons, Lincoln, Ill.

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Geraniums S. A. Nutt, Jean Vland and Bruant, extra good, 3½-in. pots, \$6.00 100. Geo. A. Rackham, 880 Van Dyke Ave., Detroit, Mich.

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Mme. Sallerol geraniums, 1000 extra fine 2½-in., \$3.00 100; \$25.00 the 1000. 250 at 1000 rate. D. P. Smith, Flint, Mich.

Geraniums, dbl. and single, best bedders. Nutt, Grant, etc., 3-in., \$5.00 100; 4-in., \$6.00 100. JAMES FROST, Greenville, Ohio.

Geraniums, single and dbl. Gen. Grant, Nutt, Bonnot, F. Perkins, 2-in., \$2.50 100; 3-in., \$5.00 100. Geo. M. Emmans, Newton, N. J.

Geraniums, 500 2½-in., assorted, \$2.50 100; 500 4-in., assorted, \$6.00 100. 50 Dryden, 4-in., \$6.00 100. Cash. S. M. Harbison, Danville, Ky.

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GERANIUMS—Continued.

Geraniums, assorted, good stock, 500 2½-in., \$3.00 100; 800 3-in., \$5.00 100; 500 4-in., \$7.00 100. Wm. J. Anker, Danville, Ill.

Geraniums, the kind you need for high-class trade. Write Albert Fuchs, 2045 Clarendon Ave., Chicago.

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Geraniums, best bedders, 2½-in., \$3.00; 4-in., \$7.00 100. Mme. Sallerol, 2½-in., \$2.50 100. N. Smith & Son, Adrian, Mich.

Geraniums in fine assortment, strong, 4-in. bushy plants, \$6.00 100, \$60.00 1000. ANDREW PETERSON, Paxton, Ill.

Mme. Sallerol geranium, 2½-in., \$2.00 100. Will exchange for alternantheras. C. W. KELLER, Woodmere, Mich.

Geraniums, named varieties, 2½-in., \$2.00 100. Mme. Sallerol, 2½-in., \$2.00 100. Krueger Bros., Toledo, O.

Send for prices on geraniums, Coleus and miscellaneous bedding stock. Greene & Underhill, Watertown, N. Y.

Geraniums, best scarlet bedders, 3-in., in bud and bloom, \$4.00 100. Mayer & Son, Willow Street, Lanc. Co., Pa.

Geraniums Mme. Sallerol and Mt. of Snow, 2-in., \$2.50 100. Cash. C. P. Dieterich & Bro., Maysville, Ky.

Mme. Sallerol rooted cuttings, \$1.00 per 100; \$8.00 per 1000.

GUS. OBERMEYER, Parkersburg, W. Va.

Geraniums, best sorts, 4-in., \$6.00 100; extra fine. Alfred H. Walker, Hollis, L. I., N. Y.

1000 geraniums, fine, assorted, strong, 3-in., 5c. Chas. A. Pfeiffer, Sedalia, Mo.

Geraniums, Nutt and Dbl. Grant, 2-in., strong, \$2.50 100. CHASE & SON, New London, O.

Geraniums, to close out, 2½ and 3-in., \$3.00 100. Jos. H. Cunningham, Delaware, O.

Ivy geraniums, 2½-in., in var., \$2.50 100. Converse Greenhouses, Webster, Mass.

Geraniums, mixed, 2-in., \$2.00 100. E. I. Rawlings, Quakertown, Pa.

Geranium Mme. Sallerol, \$1.50 100. C. L. Reese, Springfield, O.

For geraniums see our display adv. Albert Fuchs, Chicago, Ill.

Mme. Sallerol, fine 2-in., \$2.00 100. W. H. Humfeld Flo. Co., Kansas City, Mo.

GLADIOLI.

Johnson & Stokes' special gladiolus mixture, 75c 100; \$6.00 1000. JOHNSON & STOKES, 217-219 Market St., Philadelphia, Pa.

GLADIOLI. The finest collection in America; named sorts; mixtures. Betscher's new hybrids. Childs, Groff's, Lemolnel, etc. C. BETSCHER, Canal Dover, Ohio.

Cushman's hybrid gladioli, nothing better; No. 1, \$5.00 per 1000. Cushman Gladiolus Co., Sylvania, O.

English ivy, strong plants, 4-in., \$1.50 doz., \$10.00 100. C. Elsele, 11th & Jefferson Sts., Phila., Pa.

Gladioli bulbs, good mixture, 50c 100. Geo. M. Emmans, Newton, N. J.

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BERBERIS OREGONIUM (Mahonia). Seventy-five nicely arched sprays, containing 12 to 15 beautiful glossy green leaves each. Lasting qualities of a palm. Packed securely and sent by mail or express to any florist or dealer in the United States, charges paid, for \$1.00. J. H. HOWE, 1433 34th Ave., So. Seattle, Wash.

We can still supply hardy plants as offered in our surplus list in Review of May 7, and will make a special offer of 600 plants from that list for \$10.00, provided it does not include over 5 per cent of Eryngium, Moss Pink or White Platycodon. WM. F. BASSETT & SON, Hamonton, N. J.

Hardy perennial phlox, fine, named, 2-yrs., strong, \$8.00 100; 2½-in., \$4.00 100; mixed, 2-yrs., strong, \$5.00 100. Phoenix Nursery Co., Bloomington, Ill.

ANEMONE JAPONICA, 2½-in. pots. Queen Charlotte, \$4.00 per 100. Alba, Rubra, Whirlwind, \$3.00 per 100. STORRS & HARRISON CO., Painesville, Ohio.

Ornamental trees, shrubs, roses, clematis, fruit trees and small fruits. Send for price list. W. & T. SMITH CO., Geneva, N. Y.

Anemone Queen Charlotte, new, large flowered, 50c doz., \$3.00 100. Good & Reese Co., Springfield, O.

For your trees, shrubs, vines and small fruits. Send to WM. H. MOON CO., Morrisville, Pa.

True Rocky Mountain columbine, fine plants, 10c. Salda Greenhouses, Salda, Colo.

Send for our tree and plant catalogue.

Name & Neuner, Louisville, Ky.

The Florists' Manual, by William Scott, is a whole Library on Commercial Floriculture. Send for terms on the installment plan. Florists' Pub. Co., 334 Dearborn St., Chicago.

HELIANTHUS.

Helianthus multiflores, hardy sunflower, 50c doz., \$3.00 100, \$25.00 1000. 25 at 100 rate; 250 at 1000 rate.

Good & Reese Co., Springfield, O.

HELIOTROPES.

Heliotropes, extra strong from sand bed, \$1.00 100; if by mail, add 10c.

Joseph Bradbury, South Orange, N. J.

Heliotropes, 10 named leading varieties, \$1.00 100; \$5.00 1000. Cash.

C. Humfeld, Clay Center, Kan.

Heliotropes, dark blue, white, 3-in., 50c doz.; \$3.00 100.

C. Elsele, 11th and Jefferson Sts., Phila., Pa.

Heliotropes, extra strong, healthy, 3-in., \$2.50 100. Cash. Wm. S. Herzog, Morris Plains, N. J.

Heliotropes, 2½-in. pots, \$2.50 100. Cash. Critchell's, Avondale, Cincinnati, Ohio.

Heliotropes, dark, 2-in. pots, \$2.00 100. Ernest Harris, Delanson, N. Y.

Heliotropes, 3-in., \$4.50 100. Converse Greenhouses, Webster, Mass.

HIBISCUS.

Hibiscus, 12 leading sorts, 50c doz., \$3.00 100, \$25.00 1000. Crimson Eye, perfectly hardy, 50c doz., \$3.00 100. 25 at 100 rate; 250 at 1000 rate.

Good & Reese Co., Springfield, O.

HOLLYHOCKS.

2500 dbl. hollyhocks, last Aug. sowing, white, pink and lavender, \$2.00 100.

Geo. Engel, Xenia, Ohio.

Hollyhocks, 2½-in. pots, \$2.50 100. National Plant Co., Dayton, Ohio.

HONEYSUCKLES.

Honeysuckles, 2½-in. pots, 12 to 15 in. high; Scarlet Trumpet, Halleana, Chinese Evergreen and Golden Leaved, 40c doz., \$2.50 100, \$20.00 1000. 25 at 100 rate; 250 at 1000 rate.

Good & Reese Co., Springfield, O.

HYDRANGEAS.

Hydrangeas, fine, commencing to show bud, with 6 to 15 flower buds each, for vases on lawns, at 50c and 75c each. Cash with order, please.

ANTON SCHULTHEIS, College Point, L. I., N. Y.

Hydrangea Otaksa, 6-in. pots, in bud and bloom, fine plants ready for Decoration Day, from \$4.00 to \$12.00 doz.

Crown Point Floral Co., Crown Point, Ind.

Hydrangeas Hortensia, Thos. Hogg and Marleat, 6-in. pots, \$15.00 100; 4-in., \$10.00 100; 2½-in., \$4.00 100.

Phoenix Nursery Co., Bloomington, Ill.

Hydrangeas Thomas Hogg and Monstrosa, fine strong plants from 2½-in. pots, \$2.50 per 100; \$20.00 per 1000.

SPRINGFIELD FLORAL CO., Springfield, Ohio.

Hydrangeas Otaksa, Thos. Hogg and red branching, 2½-in. pots, 50c doz., \$3.00 100. Good & Reese Co., Springfield, O.

Hydrangeas, Thos. Hogg and Monstrosa, good, strong, 2½-in. pots, \$2.50 100. C. M. Nuffer, Springfield, Ohio.

IVY.

Ivy, 4-5 ft. high, bushy, pot grown, 4½-in., \$12.00 100. 1½-2 ft. high, from 2-in., for hanging baskets, \$5.00 100. Jan. cuttings, well established, from 2-in., \$2.00 100.

Reck & Son, Bridgeport, Conn.

Clean, fresh, 2½-in. English ivy, 800 for \$18.00. Hardy variegated-leaf ivy, R. C., sand, \$2.50 a 100. Cash.

Roney Bros., West Grove, Pa.

Hardy English ivy, 2½-in., \$2.00; rooted cuttings, 75c 100, \$5.00 1000.

R. Vincent, Jr. & Son, White Marsh, Md.

Kenilworth ivy, 2-in., \$2.00 100. German ivy, 2-in., \$2.00 100.

Mayer & Son, Willow Street, Lanc. Co., Pa.

English ivy R. C., from soil, \$1.00 100; \$8.00 1000. Jos. Bradbury, South Orange, N. J.

English ivy, very strong plants, 5 and 6-in. pots, \$1.00 doz. G. Noack, Batavia, N. Y.

English ivy, extra strong 3-in., \$2.00 100.

J. H. Bornhoeft, Tipton, Ind.

Water Ivy, 2½-in. pots, \$2.00 100. Cash. Critchell's, Avondale, Cincinnati, O.

German ivy, extra strong 3-in., \$2.00 100.

C. M. Nuffer, Springfield, Ohio.

English Ivy, 2, 3-in., \$3.00, \$6.00 100.

Geo. M. Emmans, Newton, N. J.

JASMINES.

Jasmines grand. or Star and revolutum, the yellow flowered, 80c doz., \$2.00 100, \$18.00 1000. Cestrum Parquill, night-blooming, 50c doz., \$3.00 100. 25 at 100 rate; 250 at 1000 rate. Good & Reese Co., Springfield, O.

LANTANAS.

Lantanas, M. Schmidt, the best yellow, in bud and bloom, \$2.00 100.

C. M. Nuffer, Springfield, Ohio.

Lantanas, dwf. flowering, in best sorts, 40c doz., \$3.00 100. Good & Reese Co., Springfield, O.

Lantana Le Naine, 2-in., 50c doz.; \$3.00 100. C. Elsele, 11th and Jefferson Sts., Phila., Pa.

300 weeping lantanas, 2-in., \$2.00 a 100. Cash. Roney Bros., West Grove, Pa.

Lantanas, 2-in., \$2.00 100. Mayer & Son, Willow Street, Lanc. Co., Pa.

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Review

Classified Advs.

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Roses for forcing. An exceptionally fine lot of plants.

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Maids	4.00	35.00	55.00
Brides	4.00	35.00	55.00
Gates	4.00	35.00	55.00
Perles	4.00	35.00	55.00
Ivory	5.00	45.00	60.00

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ROSE PLANTS FROM 2½-INCH.			
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DeNotting	\$8.00	\$75.00	Bridesm'd \$3.50 \$30.00
Bride	\$3.50	30.00	G. Gate .. 2.50 20.00
Perle	3.50	30.00	Sunrise .. 7.50 65.00
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All clean, healthy stock and well rooted. Cannot accept order for less than 50 of a variety. P. REINBERG, 51 Wabash Ave., Chicago.

Young grafted rose plants. Per 100:

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ROSE PLANTS. Perfectly healthy and strong.

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Grafted roses, fine bushy plants, 3½ and 4-in. pots.

	100.	100.	
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Send for catalogue. J. L. DILLON, Bloomsburg, Pa.

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Bridesm'd.	\$3.00	\$25.00	G. Gate .. \$2.50 \$20.00	
Bride	3.00	25.00	O. Ames .. 3.00 25.00	
Perle	3.00	25.00	Ivory	3.00 25.00

All clean, healthy stock. GEO. REINBERG, 51 Wabash Ave., Chicago.

	100	1000
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Bride	3.00	25.00
Bridesmaid	3.00	25.00
Golden Gate	3.00	25.00
Ivory	4.00

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Surplus stock in prime condition. Oliver Ames, Cusin, Morgan, Sunset, Perle, Meteor, Bridesmaid, Bon Silene, Isabella Sprunt, Sufano and Sunrise. Write for prices. John Breitmeyer's Sons, Detroit and Mt. Clemens, Mich.

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ROSES, 2½-in. pots. Brides, Maids, Kaiserins, Carnots and Meteors, \$4.00 per 100; \$35.00 per 1000. Beauty plants, \$6.00 per 100; \$50.00 per 1000.

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AMERICAN BEAUTIES, good, strong 2½-in., \$5.50 per 100; \$50.00 per 1000. Grand Rapids Violet Co., Grand Rapids, Mich.

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Salvia splendens, The President and Cheaton, 2½-in., \$2.50 100. Cash. C. P. Dieterich & Bro., Maysville, Ky.

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Salvias Silverspot, Bedman and splendens, R. C., \$1.00 100. Cash. Ernest Harris, Delanson, N. Y.

Salvia splendens and Bonfire, 2-in., \$2.00 100, \$18.00 1000. N. C. Moore, Batavia, Ill.

Salvia splendens, 2½-in., \$2.00 100; R. C., \$1.00 100. Krueger Bros., Toledo, O.

Salvia St. Louis, 2½-in., \$4.00 100. Phoenix Nursery Co., Bloomington, Ill.

SALVIAS, 2½-in., \$2.50 100. National Plant Co., Dayton, O.

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Germinated palm seeds, free by mail. Kentia Belmoreana and Forsteriana, \$2.75 100; \$25.00 1000; mixed, \$2.50 100; \$22.00 1000. Kentia Canterburyana, \$7.00 100; \$60.00 1000. Cocos Weddelliana, \$1.00 100; \$9.00 1000. Chamaerops excelsa, 1 leaf, \$1.00 100; \$8.50 1000. Washingtonia filifera and robusta, 3 leaves, 2½-in. pots, \$3.00 100; \$25.00 1000.

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Asparagus plumosus nanus seed, \$1.00 100; \$7.50 1000. Pedigreed strain of Primula sinensis, double and single, mixed; Primula obconica grand., Cyclamen persicum grand., \$1.00 per trade 1 ft. Cash.

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KENTIA SEEDS. Belmoreana and Forsteriana; fresh seed; direct importation. Price, \$3.50 per 1000; \$30.00 per 10,000.

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Primula seeds, Chinese fringed and obconica grandiflora, best named sorts and separate colors, 50c per trade packet.

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Long Island grown cabbage seed. Ask for prices for 1903 crop; also on surplus stock 1902 crop.

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Wholesale price list of seeds for florists and market gardeners.

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Rawson's Arlington tested seeds for florists. Catalogue free.

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Asparagus plumosus nanus seed, \$7.00 1000. Cash. Jos. H. Cunningham, Delaware, O.

Fresh smilax seed in June.

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Strong smilax roots, ¼-in. diam., \$1.00 100, \$8.00 1000; 1 to 1½-in. diam., \$2.25 100, \$20.00 1000; extra size, 2 to 2½-in. diam., \$3.50 100. Delivered. Send for our trade list.

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Smilax, 2-in. pots, 30c doz., \$2.00 100, \$17.50 1000. 25 at 100 rate; 250 at 1000 rate. Good & Reese Co., Springfield, O.

3000 smilax, 2½-in., \$2.00 per 100. Fine stocky plants. Cash with order.

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Smilax, strong seedlings, 60c 100, \$5.00 1000. Cash. C. Humfeld, Clay Center, Kan.

Smilax, \$1.00 1000; \$10.00 1000. Cash. Jos. H. Cunningham, Delaware, O.

Smilax, strong 2½-in., \$1.50 per 100. Texas Nursery Co., Sherman, Tex.

Smilax, from flats, 25c 100. N. C. Moore, Batavia, Ill.

SPIRAEAS.

Spiraea Anthony Waterer, 2½-in. pots, 50c doz., \$3.00 100, \$25.00 1000. S. caryopteris, hardy blue, 50c doz., \$3.00 100, \$25.00 1000. 25 at 100 rate; 250 at 1000 rate.

Good & Reese Co., Springfield, O.

STEVIAS.

10,000 dwarf stevia rooted cuttings, from sand, 80c 100; if by mail add 10c. \$6.00 1000 by express. Joseph Bradbury, South Orange, N. J.

Stevia, 2½-in., \$2.50 100, \$22.50 1000; rooted cuttings, \$1.50 100, \$12.00 1000. Poehlmann Bros. Co., Morton Grove, Ill.

STRAWBERRY PLANTS.

Wm. Belt, the best all-round strawberry. We have a fine stock of this grand berry, 60c per 100; \$4.00 per 1000. Cash. Andrews Bros., 2974 Detroit St., Lakewood, O.

SWAINSONAS.

Swainsonas, white and pink, 2½-in., \$2.00 100. S. S. Peckham, Fairhaven, Mass.

Swainsona alba, 2½-in., \$2.00 100. R. Vincent, Jr. & Son, White Marsh, Md.

Swainsona alba, \$1.50 100. C. L. Reese, Springfield, O.

SWEET WILLIAMS.

Sweet Williams, dark red, \$2.00 100. Geo. Engel, Xenia, Ohio.

SULTANAS.

The white sultana, PLATYAPETALA. Flowers large, pure white with a red dot in the center. Good strong plants from pots, \$1.00 doz., \$6.00 100.

N. O. CASWELL, Delavan, Ill.

TROPAEOLUMS.

Tropaeolums, dbl. dwarf, 2½-in., 50c doz., \$3.00 100. C. Eisele, 11th and Jefferson Sts., Philadelphia, Pa.

UMBRELLA PLANTS.

Umbrella plants, large specimens from 6-in. pots, 20c each.

Mayer & Son, Willow Street, Lanc. Co., Pa.

Umbrella plants, 4-in., 8c. M. H. La Roche, Collingdale, Pa.

VEGETABLE PLANTS.

CABBAGE—Jersey and Chas. Wakefield, Early Flat Dutch, Early Deep-Head, Early All-Head and other varieties, 25c per 100; \$1.25 per 1000.

CELERY—White Plume and Golden Self-Blanching, \$1.00 per 1000.

LETTUCE—Grand Rapids, Boston Market, Tennis Ball, Big Boston and other varieties, 15c per 100; \$1.00 per 1000.

TOMATO—Acme, L. Beauty, Stone, Paragon, Dwarf Champion, Atlantic Prize and other varieties, ready for transplanting, 15c per 100; \$1.00 per 1000. EARLIANA and PONDEROSA, 30c per 100; \$2.00 per 1000.

BEET—Eclipse, Crosby and Egyptian, 20c per 100; \$1.25 per 1000.

PARSLEY—20c per 100.

EGG—New York Improved, 25c per 100; \$2.00 per 1000.

PEPPER—Bull Nose, Sweet Mountain and Ruby King, 25c per 100; \$2.00 per 1000.

If wanted by mail, add 10c per 100. Send for price list. See our flower plant adv. Cash with order.

R. VINCENT, JR. & SON, White Marsh, Md.

50,000 sweet potato plants, 4 varieties—Nansemond, white and red yams, and vineless or bush, 25c 100; \$1.50 1000. A large stock of cabbage and tomato plants, best varieties, 15c 100; \$1.00 1000. Cash with order. Satisfaction guaranteed. S. J. McMichael, 142 Larkins St., Findlay, O.

SWEET POTATO PLANTS. Jersey Yellow, \$1.50 per 1000; Jersey Red, Jersey Big Stem, Pierson, \$1.75 per 1000; Red Bermuda, Up River, \$2.00 per 1000. 200 of the above by mail, \$1.00. Vineland Bush, 100 by mail, 75c; 1000 by express, \$3.50.

F. S. NEWCOMB, Vineland, N. J.

300,000 tomato plants, from frames, \$2.00 per 1000. 15 kinds. 100,000 transplanted, \$2.75 per 1000. 25,000 Wonder of America, transplanted two times, \$1.00 per 100, or \$5.00 per 1000. 3,000 Early Bird, 75c per 100; \$4.00 per 1000. Cash, please.

F. G. Chapman, Hewletts, L. I., N. Y.

Celery plants. Good, strong, transplanted plants, Giant Pascal, White Plume, 50c 100; \$4.00 1000. Tomato plants from seed bed, Beauty, Favorite, Buckeye, Stone, 15c 100, by mail 25c 100; \$1.00 1000. Cash.

T. C. Breese, West Berlin, Ohio.

Sweet potato plants, clean and healthy. Big Stem Jersey, \$1.50 1000; Cedarville and Yellow Nansemond, \$1.25 1000; Early Red and Red Nansemond, \$2.25 1000. For larger quantities and other varieties send for price list.

H. AUSTIN, Felton, Del.

Grand Rapids lettuce, Cal. strain, \$2.00 per 1000. Livingston's Beauty and Dwf. Champion tomato plants, nothing better; small plants ready now, 25c per 100; \$2.00 per 1000. Cash. Andrews Bros., 2974 Detroit St., Lakewood, O.

SWEET POTATO PLANTS. Large White Queen, Red Bermuda, Jersey Yellow, Jersey Red, \$1.75 per 1000. Brazilian, extra fine quality, 40c per 100.

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Tomato plants, transplanted, 35c 100; \$3.50 1000. Cabbage plants, large; Early Wakefield, Winningsstadt and others, also late cabbage, \$1.50 1000.

H. Bornhoeft, Tipton, Ind.

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Our 20th century collection of 20 new mammoth varieties, labeled; 2-in., \$1.25 100; \$12.00 1000. R. C., 50c 100; \$4.00 1000. Cash.

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Verbena rooted cuttings from soil, in bud and bloom, 75c 100, \$5.00 1000; 2-in., \$1.25 100. Cash.

S. Whitton, 15-17 Gray Ave., Utica, N. Y.

Verbenas, extra strong, healthy, bushy plants, in bud and bloom, from 3-in., \$2.50 100. Cash. Wm. S. Herzog, Morris Plains, N. J.

Verbenas, in bud and bloom, 2½-in., \$2.50 100, \$20.00 1000; 3-in., \$3.00 100, \$25.00 1000.

J. L. Dillon, Bloomsburg, Pa.

Verbenas, good colors, Henderson's mammoth, \$1.75 100.

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PLEASE MENTION THE REVIEW WHEN WRITING ANY OF THESE ADVERTISERS.

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 Mammoth verbenas, in bud and bloom, \$1.50 100. Cash. J. W. Miller, Hatton, Pa.
 Lemon verbenas, from 2-in. pots, \$3.00 100. Reck & Son, Bridgeport, Conn.
 Verbenas, 2-in., \$2.00 100, \$18.00 1000. N. C. Moore, Batavia, Ill.
 Lemon verbenas, 2½-in., \$2.50 100. R. Vincent, Jr. & Son, White Marsh, Md.
 Verbenas, mixed, 2½-in., \$1.50 100. Lewis R. Allen, Murphysboro, Ill.
 Verbenas, 2-in., \$1.50 100. E. I. Rawlings, Quakertown, Pa.

The Florists' Manual, by William Scott, is a whole Library on Commercial Floriculture. Send for terms on the installment plan. Florists' Pub. Co., 334 Dearborn St., Chicago.

VINCAS.

Vinca variegata, fine, bushy plants, from 4-in. pots, \$6.00 100. These are very nice plants, potted from the field last fall and are ready for 5-in. pots or can be divided. GOVE BROS., Biddeford, Me.

15,000 Vinca Major variegata, good strong plants from cold frame, 2-in., \$2.00 100; \$13.00 1000. Cash with order. P. J. Agnew, Johnson Ave., Springfield, O.

Vinca major var., 2-in. pots, 30c doz., \$2.00 100, \$17.50 1000. 25 at 100 rate; 250 at 1000 rate. Good & Reese Co., Springfield, O.

Vinca major variegata, extra large plants, out of 4-in. pots, vines 3 to 4 ft. long, \$8.00 per 100. Wagner Park Conservatories, Sidney, O.

5,000 very choice vincas, var., 2½-in., \$2.50; 3-in., extra good, almost equal to 4-in. stock, \$4.00 100. W. H. Gullett & Sons, Lincoln, Ill.

Vincas, 4000 good, strong 2-in., at a bargain, to move at once, \$1.75 100, \$15.00 1000. Gd. R. Violet Co., Grand Rapids, Mich.

15,000 vincas, 2½-in., \$2.50 100; \$22.50 1000. Fine for baskets or planting for stock. W. T. Hillborn, Newtown, Pa.

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Marie Louise violet clumps. I can spare a few thousand fine large clumps. Make your own cuttings. If you want the best write at once. All orders must be accompanied by cash. \$5.00 100, \$40.00 1000.

Geo. T. Schuneman, Baldwin, L. I., N. Y.

Violet Princess of Wales, California, hardy Russian, 2½-in. pots, 40c doz., \$2.50 100, \$20.00 1000. Hardy English Dbl. Flowering, 40c doz., \$3.00 100, \$25.00 1000. 25 at 100 rate; 250 at 1000 rate.

GOOD & REESE CO., Springfield, O.

New violet, "Southern Beauty," large as a pansy; white, variegated with blue, \$2.00 100; \$15.00 1,000. California, Princess of Wales and Russian, \$1.50 100; \$10.00 1,000. Mrs. J. O. Crabb, Cedartown, Ga.

I have the largest and healthiest stock of PRINCESS OF WALES violets in the country. Am booking orders now for strong young plants, at \$2.00 per 100; \$15.00 per 1,000. Wm. Sim, Cliftondale, Mass.

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Divisions and rooted cuttings of Imperial, M. Louise and Swanley White, \$10.00 1000. Lady Campbell, \$7.50 1000. From pots, \$25.00 1000. Crabb & Hunter, Grand Rapids, Mich.

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Princess of Wales violets, for planting out, 50c doz., \$3.00 100.

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Hoya carnosa, 2½-in. pots, fine plants, 60c doz., \$4.00 100, \$35.00 1000. Justicia or Flame flower, 2 sorts, fine plants, 40c doz., \$2.50 100, \$20.00 1000. Linum trigynum, always in bloom, 30c doz., \$2.00 100. Matrimony vine, perfectly hardy, 40c doz., \$2.50 100, \$20.00 1000. Passiflora Constance Elliott, hardy white flowering Passion vine, 40c doz., \$2.50 100, \$20.00 1000. Phyncospermum jasminoides, fragrant, white flowers, 40c doz., \$2.50 100. Royal purple Strobilanthes, fine, highly colored bedder, 30c doz., \$2.00 100, \$17.50 1000. Sage, Holt's Mammoth, 40c doz., \$2.50 100, \$20.00 1000. Solanum azureum, the blue flow., extra fine, 50c doz., \$3.00 100, \$25.00 1000.

Good & Reese Co., Springfield, O.

1,000 geraniums, mixed, 4-in., 5c
 500 geraniums, mixed, 2-in., 2c
 100 rose geraniums, 2-in., 2c
 300 lobellias, blue, 2-in., 2c
 150 double sweet alyssum, 2-in., 2c
 100 heliotropes, blue, 3-in., 3½c
 500 verbenas, mixed, 2½-in., 2½c
 Will sell for cash, or will exchange.
 GREENSBURG FLORAL CO., Greensburg, Ind.

Verbenas, scarlet sage, petunias, coleus, mixed; ageratum; blue and white; lobellias; achyranthes, red; alternantheras, red and yellow; heliotropes; giant alyssum and lemon verbenas, 2-in., \$2.00 100. Cannas, 3-in., \$4.00 100. Geo. M. Emmans, Newton, N. J.

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To Exchange—Surplus stock carnation plants; 2-in., 2000 Meteors, 1000 Scott, 1000 Genesee, white; 1000 Mitting, white, \$12.50 1000, for hydrangeas Hogg and Otaksa, Nutt geraniums or 2½-in. Boston ferns. Chas. Brown, 1409 W. Tuscarawas St., Canton, O.

To Exchange—Chrysanthemums, violets, blue Marguerites, cannas from sand and 4-in. pots, and Caladium esculentum bulbs. Want begonias, geraniums, ferns, perennial phlox, or anything we can use. Evergreen Lodge, Clarksville, Tenn.

To Exchange—California and Princess of Wales violets, from 2-in. pots, for Liberty and Kaiserin rose plants. S. S. Bränneman, Webb City, Mo.

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To Exchange—Bonnaillon chrysanthemums, 2-in., for Coleus. Duly Bros., Randolph, Mass.

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Wanted—La France roses from benches; stock must be good. Quote price per 100 and 1000. Wagner Park Conservatories, Sidney, O.

Wanted—List and prices on carnation plants from pots or soil.

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Hunt's LIBERTY Folding Boxes are PURE WHITE, almost waterproof and stronger than any other box on the market. Send for sample. Price no higher than the "cheap-looking" boxes usually sold.

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Our box sells on its merits. Send for sample. C. C. POLLWORTH CO., Milwaukee, Wis.

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Fancy ferns rushed for \$1.25 per 1,000. Dagger ferns, 75c per 1,000. Needle pines, \$2.00 per dozen. Maidenhair fern, cut or rooted, \$2.00 1,000. Magnolia blooms to open en route, 12½c each. Wild smilax, 50-lb. case, \$2.00; 25-lb., \$1.50. SOUTHERN WILDWOOD CO., Garland, Ala. J. N. Ansley, Manager.

Fancy and dagger ferns, laurel festooning, leucothoe sprays, bouquet green, etc. H. M. Robinson & Co., 38 Court Sq., Boston, Mass.

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Galax, bronze or green, and small green galax for violets. L. J. Kreshover, 110 West 27th St., N. Y.

GALAX LEAVES. Bronze or green. A. J. Fellouris, 468 Sixth Ave., New York.

GALAX LEAVES, green or bronze. N. Lecakes & Co., 53 W. 28th St., New York.

GALAX LEAVES, green or bronze. H. M. Robinson & Co., 38 Court Sq., Boston, Mass.

GALAX LEAVES, green or bronze. Crowl Fern Co., Millington, Mass.

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We make a special greenhouse putty. Price on application. Lord & Burnham Co., Irvington-on-Hudson, N. Y.

Florists' Specialties in Glass, Paint and Putty. Instructive advertising free for the asking. Write JOHN LUCAS & CO., Philadelphia, Pa.

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Bull-dog hose, 7 ply, guaranteed; ¾-in., 16c ft. U. Cutler Ryerson, Newark, N. J.

Good Hose, J. G. & A. Esler, Saddle River, N. J.

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Rose Leaf Extract of Tobacco will save you money. For free booklet write KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Tobacco dust, fresh stock, \$1.75 100 lbs.; stems about 100-lb. bales, 1c per lb. W. W. Barnard & Co., 161 Kinzie St., Chicago.

DUNNITE, a formula for preventing and remedying BLACK SPOT on rose plants. Write us. Dunne & Co., 54 West 30th St., New York.

Fresh tobacco stems, bales 200 to 500 lbs., 75c per 100 lbs. Freight paid. U. Cutler Ryerson, 108 3d Ave., Newark, N. J.

Tobacco stems, fresh and strong, bale of 300 lbs., \$1.50. W. C. Beckert, Allegheny, Pa.

NICOTICIDE kills all greenhouse pests. Sold by all seedsmen.

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TWEMLOW'S OLD ENGLISH GLAZING PUTTY. An old article when goods were made for quality, not cheapness. It lasts a lifetime and is the best article today for all greenhouse glazing. Makes a firm, lasting bed for glass, unaffected by heat or cold. No leaky sash-bars when this is used.

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5-gallon can	5.90
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20-gallon can	23.00

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Standard Pots. We are now ready to supply a superior quality of pots in unlimited quantities. Catalogues and price lists furnished on application.

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Standard Flower Pots. If your greenhouses are within 500 miles of the Capital, write us; we can save you money. W. H. Ernest, 28th and M Sts., N. E., Washington, D. C.

Flower Pots. Before buying write us for prices. Geo. Keller & Son, 361-363 Herndon St. (near Wrightwood Ave.), Chicago.

Those **RED** pots. The right kind. C. C. POLLWORTH CO., Milwaukee, Wis.

Red pots. Write for prices and sample pot. Colesburg Pottery Co., Colesburg, Iowa.

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Sphagnum moss of first quality. Can ship at a moment's notice—2 bales, \$1.50; 10-bale lots, \$6.00. Z. K. JEWETT & CO., Sparta, Wis.

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American brand FLORIST FOIL—The standard foil of America. John J. Crooke Co., 186 Grand St., New York.

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Wired toothpicks, 10,000, \$1.50; 50,000, \$6.25. Sample free. For sale by dealers. W. J. COWEE, Berlin, N. Y.

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Model Extension carnation supports and galvanized rose stakes. Parker-Bruen Mfg. Co., 208 Jersey St., Harrison, N. J.

Model Extension carnation supports; also galvanized rose stakes and tying wires. Igloe Bros., 226 North 9th St., Brooklyn, N. Y.

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We are the largest manufacturers of wire work in the west. E. F. Winterson Co., 45, 47, 49 Wabash Ave., Chicago.

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FOR SALE.

200 FINE STRINGS ASPARAGUS PLUMOSUS, 10 ft. long. Make cash offer for entire lot. We need the room for large palms. 1,000 Asparagus Sprengeri, 3-inch, \$10.00; 4-in., \$12.50; 5-in., \$25.00. Very bushy stock.

ALBERT FUCHS, WHOLESALE FLORIST, 2045 Clarendon Ave. CHICAGO, ILL.

W. & T. SMITH COMPANY, GENEVA, N. Y.

Wholesale Growers of Ornamental Trees, Shrubs, Roses, Clematis, Fruit Trees, and Small Fruits in great variety.

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A BARGAIN!

Feverfew, 2½-in., \$2.25 per 100. **Heliotrope,** 3-in., \$4.50 per 100. **Fuchsias,** 3-in., \$4.00 per 100; 2½-in., \$2.50 per 100. **Ivy Geraniums,** 2½-in., in variety, \$2.50 per 100. **Vinca Variegata,** 4-in., \$10.00 per 100; rooted cuttings, \$1.00 per 100. **Asters,** transplanted, all the best varieties, 100, 60c; 1000, \$5.00.

CONVERSE GREENHOUSES, WEBSTER, MASS.

DOUBLE FRINGED PETUNIAS

ANo. 1 assortment of money-makers, strong 2-inch, \$2.00 per 100.

Geraniums—Mixed, 2-inch, \$2.00 per 100.

Verbenas—2-inch, \$1.50 per 100.

Also Chrysanthemums, Pelargoniums, Star Petunias, Selaginellas, Salvias, etc.

E. I. RAWLINGS, Quakertown, Pa.

Strong Plants

Verbenas—2-in., \$1.25 per 100; R. C. from soil in bud and bloom, 75c per 100; \$5.00 per 1000. Double Daisies—Fine, large plants, 60c per 100; \$5.00 per 1000. Asparagus—From flats, ready for potting, Sprengeri—\$1.00 per 100; \$7.00 per 1000. Ageratum—Dwarf blue, 60c per 100. Cash or C. O. D.

SAMUEL WHITTON, 15-17 Gray Ave., UTICA, N. Y.

Asparagus Sprengeri.....

2-inch pots.....\$2.00 per 100
2½-inch pots.....2.50 "
3-inch pots.....3.00 "

Asparagus Plumosus Nanus, last of June. 1000 Eldorado R. C., transplanted, \$1.25 per 100. Terms cash. We prepay express charges and guarantee satisfaction.

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THE AMERICAN CARNATION

HOW TO GROW IT. FULLY ILLUSTRATED.

By C. W. WARD.

A PRACTICAL work on Carnation growing; complete in every particular, including the full calendar of operations for the year, with chapters on Soils, Fertilizers, Insects, Diseases, Heating. Each and every phase of commercial Carnation culture treated clearly and comprehensively. The book contains 290 large pages, finely printed. It should be in the hands of every grower.

Sent carriage paid on receipt of \$3.50.

**Florists' Publishing Company,
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CAPACITY OF BOILER.

I have a two 10-inch flue boiler, thirty-two inches in diameter, sixteen feet long. Can I heat with it, by hot water, three greenhouses, each 20x80 feet, glass in ends, none on sides. The houses are built together on the ridge and furrow plan. One outside house is used for lettuce, the other for carnations, and middle house for a general line of bedding plants. How many feet of 2-inch pipe must I use in a coil boiler to heat these houses in case of emergency. J. V. K.

The boiler described will have ample capacity for heating the three houses each 20x80 feet. A coil boiler made up of 2-inch pipes, for heating the above houses should contain about 400 lineal feet of 2-inch pipes.

H. W. GIBBONS.

I COULDN'T do without your valuable paper.—OTTO BROWN, Cape May, N. J.

Seed Trade News.**AMERICAN SEED TRADE ASSOCIATION.**

Pres., Walter P. Stokes, Philadelphia; First Vice-Pres., Chas. N. Page, Des Moines, Ia.; Sec'y and Treas., S. F. Willard, Wethersfield, Conn. The twenty-first annual convention will be held at Philadelphia and Atlantic City, June 23, 24 and 25, 1903.

VISITED CHICAGO: J. Ullathorne, Memphis, Tenn.

THE drought in the Mississippi valley was broken by heavy storms May 23 and 27.

THE auction sale of the Leonard Seed Co. fire salvage May 21 brought out few bidders.

B. SUZUKI will return to New York about June 5, from an extensive trip through Europe.

THE demand for seed corn has been unprecedented in the northwest and dealers have had hard work to meet it.

Robert Liddell, secretary of Peter Henderson & Co., New York, and connected with the house since 1873, died May 21, aged 75 years.

H. H. HARRIES, of the Goodwin, Harries Co., Chicago, much benefited by his recent vacation at West Baden, is on his annual seed tour.

T. E. JOHNS, of the Sioux City Seed & Nursery Co., has been at Cass City, Mich., where the firm has larger acreage of beans than usual.

JOHN T. WILCOX, of W. W. Barnard & Co., lost his overcoat and suit case, stolen from a Pullman at Oklahoma City, Okla., May 15.

THERE are continued reports from Bermuda that the crop of Harrisii will be considerably smaller than last year, but of good average quality.

OKLAHOMA CITY, OKLA.—Clyde H. Walker reports very satisfactory trade on cane and cow peas. He had a car of each on track May 18.

H. F. HENRY, of Henry & Lee, will make his second trip to Bermuda in June. Mr. Fulton is now en route to Japan in the firm's interest.

A. BRIDGEMAN, the dean of the seed trade in America, died at New York last week aged 85. He retired from active business some years ago.

RAVENNA, OHIO.—The Ford Seed Co. reports seed trade in general as very satisfactory this season, though difficult to keep up stocks in some varieties.

THE low price of onions and sets has resulted in a decreased acreage, but the wise planter will put in just as much or more this year in anticipation of an increased demand next year.

H. C. AGNEW reports it cold and dry in the Santa Clara valley, in California, no rain for two months. The seed crops are looking well, but the ground is very dry for this time of year.

THE New York Tribune Farmer recently printed a very complete and handsomely illustrated description of the seed growing establishment of the T. B. Shepherd Co., Ventura, Cal.

S. B. BEAL, who has traveled 22 years for L. L. May & Co., is in Texas. Fifteen other travelers for this concern have also started out for 1904 business, while 20 more will soon get under way.

KENDALL & WHITNEY, Portland, Me., report a splendid seed and plant business this spring. Mail orders have come in thick and fast and they have been obliged to work overtime. Plant trade was never better.

W. B. LONGSTRETH, Gratiot, O., reports very satisfactory seed trade, stocks of many varieties exhausted early and business about 25 per cent ahead of last year. The call for vegetable plants was unprecedented.

AUGUSTA, GA.—Mr. N. L. Willet reports: "The season is backward on account of continued rains. The trade is having great trouble with corns, all of which are damp and soon heat and spoil. Large losses have occurred. It may not be generally known what an important part Georgia plays in the seed growing industry of this country. Georgia grows acres in collards. Georgia grows nearly the entire output of Pearl millet. Just all of the collards. My firm, alone, will handle this year nearly ten thousand pounds, enough to grow eighty thousand. About Augusta is the best place in the United States for asparagus seed and roots. Georgia grows nearly the whole chufa crop for the United States seed trade. Okra comes almost exclusively from Georgia. Georgia largely controls Bur clover and Mexican June corn market. Let me say that the Bur clover as grown in this state is the genuine article, and not that which California sends out as Bur clover. Just about Augusta, too, I believe is grown the best watermelon seed in the United States. We have originated some of the best melons in the country—Rattlesnake, Eden, Blue Gem, Sugar Loaf and Jones. I would rather pay double price for Augusta melon seed, as compared with Florida seed. The whole state of Florida gets from the ocean and gulf daily, and almost continually, salt breezes. Salt is absolutely ruinous to the taste of watermelon. No sweet melons can be grown near a salt coast anywhere. Let me say, too, that Oklahoma and far northwest melon seed are apt to have in the south white hearts and do not ripen. I have seen melon shippers lose thousands of dollars by using western watermelon seed. Georgia, I believe, leads, too, in her cotton seed. This state has furnished almost exclusively for ten years and more the United States government with its cotton seed for free distribution. Texas comes to this state for large amounts of cotton seed, especially since her cottons seem to be more subject to the boll weevil ravages. Georgia, too, largely controls the mustard business—the finest of all mustards, the Ostrich Plume, originating here at Augusta, Georgia, by my firm. Georgia is headquarters, too, for turnips—Seven Top, Southern Prize and the fine winter variety known as Frost King. Georgia grows largely white multiplying onions for the United States trade. Augusta is probably the largest cow pea shipping point in the south. Georgia seedsmen largely control also Teosinte, Velvet beans, Beggar weed, Bokhara clover, Japan clover and Carpet Grass seed business for the country."

Stumpp & Walter Co
50 Barclay St. N. Y.

Cycas Stems.

2 to 3 lbs. 4 to 5 lbs. 6 to 7 lbs.
Per 100 lbs....\$7.50 Per 1000 lbs...\$65.00

NEW CROP SEEDS

Primula Sinensis Fimbriata.

(English Grown.)
"The Grand" Mixture, trade packet, 50c
Primula Forbesi, trade packet.....25c

Cineraria Hybrida Grandifl.

(English Grown.)
Hunt's "Special" Mixture, tr. pkt....50c

Calceolaria Hybrida Grandifl.

Hunt's Import Mixture, tr. pkt....\$1.50
All the types, including the self-colored, tigered, mottled, variegated, spotted.

Gloxinia Grandiflora.

Hunt's Extra Select Mixture, tr. pkt.. 50c
A mixture of exclusive French hybrids, including Fire King, Defiance, Frederic, etc.

E. H. HUNT,
76-78 Wabash Ave. CHICAGO.



Gladioli

To fill the Gap
between

Asters and 'Mums
That is what you want

Cushman's Hybrids
planted the first of July
supply that want. Nothing
better. Now per 1000,
\$5.00.

Cushman Gladiolus Co.,
SYLVANIA, OHIO.

PRIMROSE --- Chinese Fringed.

Kermesina Splendens	Trade Pkt., 50c
White. Yellow Eye	50c
Bright Pink	50c
Brilliant Red	50c
Rosy Morn	50c
Blue	50c
Flesh Color	50c
Mixture of above	50c
Fern Leaved Mixed	50c
Obconica Grandiflora, White	50c
" " Rosy Chamolise	50c
" " Bright Rose	50c
" " Fringed Mixed	50c

W. C. BECKERT, - ALLEGHENY, PA.



RAWSON'S
Arlington Tested

Seeds FOR THE
FLORIST

Catalogues. Mailed Free.

W. W. RAWSON & CO., Seedsmen,
12 and 13 Faneuil Hall Square, BOSTON.

Palm Seeds

JUST ARRIVED per Steamer Sonoma
FROM AUSTRALIA.

Areca Baueri	25c per 100; \$2.00 per 1000
Kentia Belmoreana	35c " 2.50 "
Kentia Forsteriana	35c " 2.50 "
Pritchardia Seamanii	\$4.50 " 6.00 "
Erythea Edulis	75c " "

ARAUCARIAEXCELSA

from 2-inch pots, one to two tiers, \$16 per 100.

Araucaria Imbricata

from 2½-inch pots, strong stocky plants,
\$10.00 per 100.

Livistona Chinensis

the true variety (not Latania Borbonica),
from 2-inch pots, \$6.00 per 100.

F. LUDEMANN, SAN FRANCISCO, CAL.

Calla Bulbs!

1½ to 2 inches in diam.

Choice grown for Florists' use, \$5.00
per 100. For delivery August 1. Ex-
press prepaid.

California Carnation Co., Loomis, Cal.

Mention The Review when you write.

ALL THE BEST CARNATIONS

LEADING NOVELTIES OF 1903.

The Best Varieties of 1902.

All the Standard Varieties.

Send in your orders for Rooted Cuttings now.

GEO. HANCOCK & SON, Grand Haven, Mich.

Carnations, Geraniums, Cannas, etc.

Prices quoted upon application.

THE COTTAGE GARDENS, Queens, L. I.

Mention The Review when you write.

The Florists' Hail Association

has paid over \$54,000 for glass broken by
hail during the past 15 years. For particulars
Address JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

Mention The Review when you write.

You will find **ALL** the
BEST offers **ALL** the time
IN
THE Review's Classified Advs.

Burpee's Seeds Grow

Mention the Review when you write.

BALTIMORE.

After a day or two of sweltering weather, we have had a copious shower of rain and a great fall in the temperature. The parched soil is now workable and on every side delayed operations are being pushed forward to catch up, if possible, the time lost in outdoor work by the enforced idleness due to the drought.

Great arrivals of cut flowers make the daily history of the market, the quality, unfortunately, not comparing with the quantity. A very considerable outlet was made last week by the floral decorations lavished at our city hall upon some new municipal officers and the recently elected council. This work was widely distributed and absorbed a good deal of material of all grades.

Decoration day has not heretofore been much of a florists' day in this latitude, the holiday coming at a time when hardy stuff is so abundant; but there is a disposition now to extend the custom of decorating with garlands and flowers the graves of others than soldiers. This should enlarge the demand for a better class of material. The use of plants, which prevails at the north, is practically unknown here on Memorial Day.

The illness of Alexander Scott, reported last week, grew more serious, and that gentleman has gone to his brother's in Buffalo, N. Y. All who came in contact with him in his business career here are sincere in wishing him early and complete restoration to health.

B.

CHATHAM, N. Y.—This vicinity is greatly in need of rain, but most of the growers have all their carnations outdoors. R. E. Shuphelt finished field planting May 9.

BEDDING PLANTS

in fine condition, ready for delivery or shipment. Cash with order.

Alyssum—Giant, double and dwarf, 2-in.	Per 100
Snap Dragon—white, 2-in.	2.00
Ageratums—Stella Gurney, Princess Pauline and dwarf white, 2-in.	2.00
Alternantheras—Red and yellow, 2-in.	2.00
Cannas—In var. 3-in.	6.00
Coleus—In var. standard and fancy, 2-in.	2.00
Feverfew—Little Gem 3-in., 5.00; 2-in.	2.00
Geraniums—Standard var., 4-in., 8.00; 3-in., 5.00; 2-in.	2.50
Geraniums—Mme. Sallerol, very strong, 3-in., 5.00; 2-in.	2.50
Fuchsias—In var. 3-in., 5.00; 2-in.	2.50
Heliotropes—Best dark, 3-in., 5.00; 2-in.	2.50
Ivy—German and Kenilworth, 2-in.	2.00
Ice Plant—3-in.	2.50
Lantanas—2-in.	3.00
Lemon Verbena—2-in.	3.00
Moonvines—2-in.	2.00
Petunias—Dbl. fringed 3-in., 5.00; 2-in.	2.50
Saxifraga—2-in., 3.00; B. C.	1.00
Stevia—Var., 2-in.	2.00
Salvia—3 var., 3-in., 4.00; 2-in.	2.00
Tradescantia—(Wandering Jew), var., 3-in., 5.00; 2-in.	2.00
Verbenas—In best var., 2-in., 2.00; 2½-in.	2.50
Vinca—Var., large, 3-in., 5.00; 2-in.	2.00
Asters—In var., transplanted.	1.00
Gypsophila—Paniculata.	1.25
Sweet Williams—Fall-transplanted.	1.25
Centaurea—Dusty Miller, 2-in.	2.00
Cobaea—Scandens, 3-in., 5.00; 2-in.	3.00
Lobelia—Compacta and Speciosa, 2-in.	2.00
Pyrethrum—Aureum, 2-in.	2.00
Mignonette—2-in.	2.00
Daisies—Double, mixed.	1.25
Pansies—Florists' International, in bud and bloom, 1000, 15.00; smaller plants, 1000	10.00

Many other varieties and sizes in stock.

VEGETABLE PLANTS.

Celery—Transplanted.	30
Pepper—Transplanted.	35
Rhubarb—Lump.	5.00

Wholesale price list on application.

LUDWIG MOSBAEK, So. Chicago, Ill.
8500 Anthony Ave., near So. Chicago Ave.
Mention the Review when you write.

GERANIUMS,
Coleus, Abutilons,
Chrysanthemums, etc.

FIRST-CLASS STOCK FROM 2¼-INCH POTS.

Geraniums.

In good variety, double and single, 2¼-in. pots, \$2.00 per 100. **SCOTTED**—Nutmeg, Lemon and Oak Leaved, \$3.00 per 100. Variegated Leaved, \$3.00 per 100.

COLEUS.

Golden Bedder, Golden, Pink and Crimson Verschaffeltii, Annie Pfister, Massey and other varieties, \$2.00 per 100.

ABUTILONS.

Souv. de Bonn, Eclipse, Mrs. John Laing, Santana and Golden Fleece, 2¼-inch pots, \$2.50 per 100.

CHRYSANTHEMUMS.

Autumn Glory, Col. D. Appleton, Eureka, Glory of the Pacific, Mrs. Perrin, Mrs. O. P. Bassett, Mrs. Murdock, Wm. H. Lincoln, Bessie Burton and others, ready now, \$2.00 per 100. **POMPON CHRYSANTHEMUMS**, 50 varieties, \$2.00 per 100.

MISCELLANEOUS GREENHOUSE PLANTS.

Acalypha, macafeena.....	2¼-in. pot, per 100	8.50
Achyranthes, in variety.....	2.00	
Cannas, named.....	2.00	
Cannas, 3-inch pots, good, strong stock, standard varieties, 60c per doz.....	4.00	
Canna Robusta, extra large roots.....	2.00	
Fuchsias, in variety.....	2.50	
Forget-Me-Not, large flowering, blue, from 2½-inch pots, \$2.50 per 100.		
Hardy English Ivy, extra strong.....	2½-in. pots, per 100	\$2.00
Lemon Verbena.....	2.50	
Lobelia, compacta.....	2.00	
Sedum variegata.....	2.00	
Summer Flowering Annuals, seed bed.....	.25	
Swainsona Alba.....	2.00	

(Rooted Cuttings of Hardy English Ivy, 75c per 100; \$5.00 per 1000.)

Not less than 5 of any one variety sold. Send for trade list of full line of Greenhouse and Bedding Plants. Cash with order.

R. VINCENT, JR. & SON, White Marsh, Md.

Mention The Review when you write.

CANNAS!

Leading varieties, 3-inch pots, \$5.00 per 100.

Geraniums

Best Bedding Sorts, 4-inch pots, \$7.00 per 100; 2¼-inch pots, \$3.00 per 100. Mme. Sallerol, 2½-inch pots, \$2.50 per 100.

Cobaea Scandens

3-inch, strong, \$5.00 per 100.

NATHAN SMITH & SON, Adrian, Mich.

GERANIUMS

To close out, 2½ and 3-in. pots.....\$3.00

Asparagus Sprengeri, fine plants.....2.00

Asparagus Plumosus Nanus, July....2.50

Centaurea Gymnocarpa.....2.00

Asparagus Plumosus Seed, \$7.00 per 1000.

CASH, PLEASE.

COLEUS

15 varieties, 2 and 2½-in. pots \$12.00 \$15.00

Smilax.....10.00 1.00

Vinca Vines, var.....2.00

Chinese Primrose, July.....2.00

Obconica, alba and rosea.....2.00

Forbesi.....2.00

JOS. H. CUNNINGHAM, - - Delaware, Ohio.

Mention The Review when you write.

PERLES AND METEORS.

1000 Perles, 3-in., 4c.
500 Meteors, strong, 3½-in. pots, 5c.
2000 S. A. Nutt ger., extra strong, 2-in., \$3.00 per 100. 1000 Finest Double Pink bedder, Ger., extra strong, 2-in., \$3.00 per 100. 4000 S. A. Nutt, fine plants, 4-in. 1000 Finest Double Pink bedder, Ger., 4-in., \$3.00 per 100. 2000 Mme. Sallerol, 2c. Sample free. Plants are all exceptionally fine.

GESLER & DRURY, GALESBURG, ILL.

Mention the Review when you write.

GERANIUMS THE KIND YOU NEED for High Class Trade.

25,000 4-inch in full bloom, extra well grown. Best single, dark red Clifton, best dbl. S. A. Nutt. Also Heteranthe, Mrs. E. G. Hill, Beate Poitevine, La Favorite. Send for our price on Palms, etc. Make us an offer on 400 X strong Asparagus Plumosus from beds. **ALBERT FUCHS**, Wholesale Florist, 2045-59 Clarendon Ave., formerly N. Halsted St., CHICAGO, ILL.

Mention the Review when you write.

GOLD MEDALBY
...The Society of American Florists...

AUGUST, 1902.

The only Gold Medal ever awarded
by the National Society.**GOLD MEDAL**BY
The Massachusetts Horticultural Society

MARCH, 1902.

A rare distinction, having been awarded only a very
few times in the history of the Society.**THE PIERSON FERN.****Nephrolepis
Piersoni.****The most valuable novelty intro-
duced in many years.****GOLD MEDAL**BY
The Horticultural Society of New York

MAY, 1902.

For the Best
HORTICULTURAL NOVELTY.

The highest hon-
ors that can be
bestowed on any
horticultural
novelty in Amer-
ica, and an in-
dorsement never
before received
by any new
plant, testify-
ing to the
sterling
merits of
Nephrolepis
Piersoni.

Send
for our
circular
telling all
about this
great novelty.

SILVER MEDALAT THE
Great NEW YORK SHOWFOR THE BEST
New and Meritorious
Plant of Amer. Origin.**GOLD MEDAL**AT THE
...BIG KANSAS CITY EXHIBITION...FOR
New Plant of Sterling Merit.**SILVER MEDAL**AT
San Francisco Flower ShowMAY, 1903.
HIGHEST AWARD POSSIBLE.

We offer strong young plants, 2½-in. pots, at \$9 per doz.; 50 plants at 60c each; 100 plants at 50c each; 500 plants at 45c each; 1000 plants at 40c each. Extra large plants, 6-in. pots, \$27 per doz.; 50 plants at \$1.80 each; 100 plants at \$1.50 each. These large plants will make fine stock for growing on into large specimens for fall trade, and they are also very nice for immediate sales.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

DREER'S

started,
pot-grown

CANNAS

Well established plants from 3-inch pots, \$5.00 per 100; \$40.00 per 1000.

ALPHONSE BOUVIER, fine crimson; 6 feet.
ALSACE, sulphur white; 4½ feet.
AUSTRIA, canary yellow; 6 feet.
BRONZE SEEDLING, rich currant red, bronze foliage; 4½ feet.
F. NEUVESSEL, a fine soft carmine; 5 feet.
FURST BISMARCK, crimson scarlet; 3½ feet.
ITALIA, orange scarlet, yellow border; 6 feet.
INSPECTOR EHEMAN, intense glowing scarlet; 4 feet.
JEAN TISSOT, very bright vermillion scarlet; 5 feet.
LURAY, a deep rosy pink; 4½ feet.
MME. CROZY, gilt edged scarlet; 4 feet.
Mlle. BERAT, fine pink bedder; 4 feet.

MRS. KATE GRAY, gigantic orange scarlet; 6 feet.
PENNSYLVANIA, vermillion scarlet, large flowers; 6 feet.
PRES. MEYER, rich cherry carmine, of immense size, foliage bronze; 4 ft.
ROBERT CHRISTIE, bright orange red; 4½ feet.
RUBIN, intense rich glowing carmine, bronze foliage; 4 feet.
SECRETAIRE CHEBANNE, salmon; 8 feet.
SOUVENIR D'ANTOINE CROZY, intense scarlet with golden edge; 3 ft.
SOUVENIR de PRES. CARNOT, vermillion scarlet, bronze foliage; 5 ft.
SOUV. de LEONIE VIENNOT, rosy carmine with golden borders; 4 ft.
VICE-PRESIDENT LUIZET, carmine; 3½ feet.
WILHELM BOFINGER, bright intense scarlet. 5 feet.
\$5 00 PER 100; \$40.00 PER 1000.

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PA.

A LILY CUSTOMER.

I recently had a customer that I must tell you about. She wanted a lily plant and I told her the price was 15 cents a flower and as she seemed to be counting nickels I found one with two flowers for her. She then inquired whether other flowers would appear between each leaf down the stem, lasting during the year, and how to start the plant again next year. She finally handed me 15 cents and when I told her the price was 30 cents, 15 cents for each flower, she dropped the plant and started off delivering a lecture on the sin of asking such enormous prices. I hope florists in other cities have not many such customers. We have many of that type here, unfortunately.

J. L.

IN EVERYONE'S HANDS.

Please change my advertisement as per copy enclosed. Am very well satisfied with the results from the Classified advertisements. Can't keep up with orders, which are coming in from Canada to California, a very good evidence that your paper is in the hands of every florist.

A. C. OELSCHIG.

Savannah, Ga.

Bedding Plants, etc.

MARGUERITES, white and yellow, Per 100
2½-inch pots\$3.00
WATER IVY, 2½-inch pots 2.00
LOBELIA, 2½-inch pots 2.00
CUPHEA, 2½-inch pots 2.00
HELIOTROPE, 2½-inch pots 2.50
GERANIUMS, 3-inch pots, extra strong
plants 5.00
4-inch pots, extra strong plants 7.00
(The varieties are Bruant, La Favorite,
Double White, Commodore Nutt, King
of the Scarlets and other fine sorts.)
Mme. Sallerot, 2½-inch pots 2.50
AGERATUM — Stella Gurney, rooted cut-
tings60
2½-inch pots 2.00
3-inch pots 4.00
ASPARAGUS SPRENGERI, very
strong, 2½-inch pots 3.00
Very strong, 3-inch pots 5.00
Very strong, 4-inch pots 10.00
PANSIES — Zirngiebel's strain, in bud and
bloom, good plants, per 1000, \$6.0075
ALTERNANTHERAS, yellow50
per 1000, \$4.00.
COLEUS, 10,000 rooted cuttings of Ver-
schaffeltii, Golden Bedder, Fiebrand
and other good sorts, strong and clean,
per 1000, \$4.0050

THE NEW WHITE WONDER IN EARLY CHRYSANTHEMUMS:

Estelle, Pure White, rooted
cuttings\$5.00
2½-inch pots, ready to plant, \$10.00 per 1000
This sort will prove a money-maker.
CASH WITH ORDER. SATISFACTION GUARANTEED.

CRITCHELL'S, Cincinnati, Ohio.

Season 1903.

PRICE LIST

Season 1903.

CHRYSANTHEMUMS.

WHITE.		Per 100	Per 100	YELLOW.		Per 100	Per 100
		R. C.	2½-in.			R. C.	2½-in.
Estelle		\$3.00	\$ 5.00	Robt. Halliday		\$3.00	\$ 4.00
Geo. S. Kalb	2.00		2.50	Carrington T.	3.00		4.00
Willowbrook	2.00		3.00	E. D. Smith	1.50		2.50
Lady Fitzwygram	1.50		2.50	Monrovia	1.50		2.50
Ivory	1.50		2.50	Parr	1.50		2.50
Robinson	1.50		2.50	October Sunshine	1.50		2.50
Jerome Jones	1.50		2.50	Yellow Fitzwygram	1.50		2.50
Wanamaker	1.50		2.50	Whillidin	1.50		2.50
Timothy Eaton	2.00		3.00	Appleton	1.50		2.50
White Bonnaffon	2.00		3.00	Bonnaffon	1.50		2.50
Merry Christmas	2.00		3.00	Pennsylvania	2.00		3.00
Chadwick	2.50		4.00	Yellow Jones	2.00		3.00
PINK.				Eclipse	2.50		3.50
Lady Harriet	3.00		4.50	Golden Wedding	2.00		3.00
Glory d'Pacific	1.50		2.50	Rieman	2.00		3.50
Morel	1.50		2.50	Goldmine	2.00		3.00
Perrin	1.50		2.50	O. P. Bassett	1.50		2.50
Xeno	2.00		2.50	Yellow Eaton			25.00
Maud Dean	2.00		2.50	Chautauqua Gold, fine	5.00		6.50
Murdock	1.50		2.50	RED.			
Quito	2.50		3.50	Childs	2.00		3.00
Pink Ivory	1.50		2.50	Intensity	3.00		4.00
Richardson			25.00	Shrimpton	2.00		3.00
Liger			20.00	BRONZE.			
Lavender Queen	2.00		3.00	Lady Hanham	2.00		3.00

ROSES FOR FORCING.

An exceptional fine lot of 300,000 plants in 2, 2½ and 3½-in. pots.

	Per 100	Per 1000	Per 1000		Per 100	Per 1000	Per 1000
	2&2½-in.		3½-in.		2&2½-in.		3½-in.
American Beauties	\$6.00	\$50.00	\$85.00	Gates	\$4.00	\$35.00	\$55.00
Maids	4.00	35.00	55.00	Perles	4.00	35.00	55.00
Brides	4.00	35.00	55.00	Ivory	5.00	45.00	100.00

STEVIA.

Rooted Cuttings, per 100	\$ 1.50	2½-inch, per 100	\$ 2.50
1000	12.00	2½-inch, per 1000	22.50

Cash with order.

Packed and shipped F. O. B. Morton Grove.

When less than 25 plants of a variety are ordered add 20 per cent. 5 per cent discount allowed for cash. Remittances must accompany orders from unknown parties. Goods sent C. O. D. if requested. All orders filled in strict rotation, and as soon as stock is ready. Every order has our personal supervision and satisfaction is guaranteed. Cuttings rooted to order if not in stock. All plant bills are due 30 days from date of invoice. In case of error report immediately.

Poehlmann Bros. Co., Morton Grove, Ill.

Mention The Review when you write.

Rose Plants

from
2½-inch
pots.

	Per 100	Per 1000		Per 100	Per 1000
Pierre Notting	\$3.00	\$75.00	Bridesmaid	\$3.50	\$30.00
Sunrise	7.00	65.00	Bride	3.50	110.00
American Beauty	6.00	55.00	Golden Gate	2.50	20.00
Kaiserin	3.50	30.00	Perle	3.50	110.00

Meteor, 3½-inch, \$5.00 per 100; \$45.00 per 1000.

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded. No plants or cuttings sent by mail. Cannot accept orders for less than 50 of a variety.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

Specimen Bays

A MAGNIFICENT STOCK. All Sizes.

PHOENIX

All Varieties and Sizes.
For Outdoor Decoration.

KENTIAS

Largest Collection of Commercial Orchids in America.

EVERYTHING FOR THE FLORIST. FINEST QUALITY, REASONABLE PRICES.

SEND FOR CATALOGUE TO

JULIUS ROEHRS, = Rutherford, N. J.

Mention The Review when you write.

A FINE LOT OF

AMERICAN BEAUTY

Plants from 2½-in. pots,
ready for planting or shifting,
\$6.00 per 100.
\$50.00 per 1000.

EMIL BUETTNER

PARK RIDGE, ILL.

Mention The Review when you write.

Dracæna Indivisa

7-in. made-up very strong plants, \$6.00 per doz.

Large Latanias

Made-up plants, 18-25 leaves.

J. W. COLFLESH,

53d St. and Woodland, PHILADELPHIA.

Mention The Review when you write.

Meteor Rose Plants.

8½-inch, \$5.00 per 100; \$45.00 per 1000.

LIBERTY, 8-inch, \$8.00 per 100.

Cash with order unless parties are known. These plants are guaranteed extra choice.

BRANT & NOE, Forest Glen, Chicago, Ill.

Will exchange Meteors for Maids and Brides.

ROOTED CARNATION CUTTINGS.

15,000 Marquis, 20,000 Joost, 15,000 Evanston, 2000 Prosperity.

All \$1.25 per 100, \$10.00 per 1000.

The above number of cuttings are on hand at this issue,
AND ARE CLEAN, HEALTHY AND WELL ROOTED.

....ROSE PLANTS....

GOOD STOCK FROM 2½-INCH POTS.

	Per 100	Per 1000		Per 100	Per 1000
BRIDESMAID.....	\$3.00	\$25.00	GOLDEN GATE.....	\$2.50	\$20.00
BRIDE	8.00	25.00	OLIVER AMES	3.00	25.00
PERLE	8.00	25.00	IVORY	3.00	25.00

GEO. REINBERG, 51 Wabash Avenue, CHICAGO.

Mention The Review when you write.

ROSE PLANTS.

Good, clean,
strong plants
from 2½-inch pots.

AMERICAN BEAUTY.....	\$6.00 per 100;	\$50.00 per 1000
BRIDES.....	3.00 "	25.00 "
IVORY.....	3.00 "	25.00 "

J. A. BUDLONG, 37-39 Randolph Street, CHICAGO.

Mention The Review when you write.

DAHLIAS.

A choice lot of field-grown roots, named varieties, \$5.00 per 100. Our selection, \$4.00 per 100; mixed double varieties, \$3.00 per 100; mixed single varieties, \$2.00 per 100. For varieties see former issue

Wagner Park Conservatories, Sidney, O.

Mention The Review when you write.

Poinsettia Stock!

Strong plants, from bench.....\$8.00 per 100
pots..... 4.00

AUGUST JURGENS,

134 to 144 Herndon St., CHICAGO.

Mention the Review when you write.

BEDDING STOCK.

WE HAVE TO OFFER A FINE LOT of the following
SPRING BEDDING STOCK.

	Per 100
Geraniums in bloom, best bedding sort, 4-inch.....	\$8.00
Vincas, variegated, 4-inch.....	8.00
Vincas, " extra bushy, 4-inch.....	10.00
Vincas, " 5-inch.....	12.00
Mme. Sallerol, 2½-inch.....	3.50
Mme. Sallerol, 3-inch.....	5.00
German Ivy, 3½-inch.....	6.00
Ivy Geraniums, 4-inch.....	10.00
Grave Myrtle.....	8.00
Grave Myrtle, extra large clumps.....	10.00
Pansies, best strains.....	2.50
Feverfew Little Gem, 3½-inch.....	5.00
Alternanthera, red, green, yellow.....	3.00
Alyssum, dwarf, 3-inch.....	4.00
Lobelia, 2½-inch.....	3.50

	Per 100
Nasturtiums, single and double, 3-inch.....	\$4.00
Cobaea Scandens, 3-inch.....	8.00
Dusty Miller, 3-inch.....	5.00
Double Petunias, 4-inch.....	8.00
Verbenas, assorted colors, 3-inch.....	3.50
Salvia Splendens, 3½-inch.....	6.00
Salvia Splendens, 4-inch.....	8.00
Ageratums, blue and white, 3½-inch.....	6.00
Fuchsias, best varieties, 3-inch.....	5.00
Fuchsias, " 4-inch.....	8.00
Snowflake Daisy.....	3.50
Heliotrope, 3-inch.....	4.00
Heliotrope, 4-inch.....	6.00
Castor Bean, 3-inch.....	8.00
Marguerites, white and yellow variety, 3-inch.....	6.00

	Per 100
Marguerites, white and yellow variety, 4-inch.....	\$8.00
Calceolaria plants in bud and bloom.....	15.00
California Moss plants.....	6.00
Cannas—Bouvier, Henderson, Mme. Crozy, Egandale, Florence Vaughan, Queen Charlotte, 4-inch.....	8.00
Coleus—Firebrand, John Goode, Her Majesty, Verschaffeltii, Golden Bedder, 2½-inch, \$3.50; 3-inch.....	5.00
Dracaena Indivisa, strong plants for vases, 5-inch.....	\$5.00 per doz.
Caladiums, good, strong plants for vases, 4-inch.....	\$1.50 per doz.

PLACE ORDERS EARLY.

Take Notice. All plants are shipped by express only and without pots. If shipped in pots packing boxes will be charged at cost. If ordered shipped by freight they travel at buyer's risk.

C. C. POLLWORTH CO., - Milwaukee, Wis.

Mention the Review when you write.

RETAIL ADVERTISING.

Messrs. Poole & Purllant, Bellefontaine, O., send us a clipping of the adv. below, which they have been running in a space of three inches double column in one of their local papers:

MY FRIENDS, YOUR ATTENTION,

And I'll tell you a secret. For that new arrival to this world of ours send a token of flowers. For some other fellow's sister whose smile you are looking for send a box of roses, carnations or violets. For your handsome bride surely a bride's bouquet you'll send. For your mother's anniversary (may God bless her) have a supper table decoration. For a sick friend send an azalea or some other potted plant to cheer up the sick and lonely one. And for the one who has crossed to the eternal shore send a spray of floral design, and then in life's rainy day your friend will remember you.

Orders phoned to Poole & Purllant, Progressive Florists, will receive the best of attention. 606 East Columbus avenue, or at Butler's drug store every Saturday.

A WISCONSIN florist has a muscular better half who believes in getting satisfaction when she cannot collect anything else from parties owing large overdue accounts. According to the Marinette Star she met the debtor in a bank just as he was cashing a check, and asked him for an old account of \$45. Having seen him receive cash on his check she cast doubt upon his statement that he didn't have the money, and when he attempted to run away she landed him a half hook on the jaw. She then followed him to the street and seizing her horsewhip gave him several unmerciful lashes before he got loose.

YOU CAN sell your surplus stock quickly and economically by offering same in the REVIEW's classified ads.

While They Last!

	100	1000
Centaurea Gymnocarpa.....2-inch.....	\$1.50	\$12.50
Cannas, best varieties.....4.....	4.00	35.00
Coleus, good assortment.....2.....	1.50	12.50
Feverfew Little Gem.....2.....	2.00	18.00
Salvia Splendens Bonfire.....2.....	2.00	18.00
Sweet Alyssum, double.....2.....	1.50	12.50
Petunias, large double flower.....2.....	2.00	18.00
Fuchsias.....2.....	2.00	18.00
Verbenas.....2.....	2.00	18.00
Geraniums, S. A. Nutt, large, in bloom.....4.....	7.00	65.00
Geraniums, S. A. Nutt.....2½.....	2.50	20.00
" Mme. Sallerol.....2.....	2.00	18.00
" Rose, extra strong.....2½.....	2.50	20.00
Lobelia, Crystal Palace.....2.....	1.50	12.50
Smilax, from flats......25.....		
Pansies, in bloom.....50c, 75c and \$1.00 per 100		

N. C. MOORE,
BATAVIA, ILL.

SURPLUS STOCK.

	Per 100
4000 Marechal Niel Roses, 2½-in, nice stock.....	\$3.50
2000 Clothilde Soupert Roses, 2½-in.....	3.00
" 2½-in.....	3.50
1000 Champion of the World Roses (Mrs. Degraw), 2½-in.....	3.00
3000 Coleus, assorted, strong, 2½-in.....	3.00
1000 Dahlias, " 2½-in.....	4.00
500 Clematis Jackmani, strong, 4-in.....	18.00
1000 Geraniums, E. H. Trego, 2½-in.....	8.00
" 4-in.....	12.00
2000 Geraniums, assorted, 2½-in.....	3.50
" 4-in.....	8.00
3000 Hardy Perennial Phlox, fine named, 2 years, strong.....	8.00
Hardy Perennial Phlox, fine named, 2½-in.....	4.00
Hardy Perennial Phlox, mixed, 2 yrs., strong.....	5.00
Salvia St. Louis, 2½-in.....	4.00
Ageratum Stella Gurney, 2½-in.....	4.00
Alternanthera, red and yellow, 2-in.....	2.50
1000 Hydrangeas Hortensia, Thos. Hogg and Mariesi, 6-in. pots, \$15.00 per 100; 4-in. pots, \$10.00 per 100; 2½-in. pots.....	4.00

Phoenix Nursery Co.,

1215 North Park Street,

BLOOMINGTON, ILL.

Mention The Review when you write.

New PedigreedROSES.

Send for description and colored plate of our SIX new CLIMBING ROSES. These originated in our own collection by careful cross-fertilization and are unquestionably superior to anything of their class.

Edwin Lonsdale—Pale lemon-white.
Wm. K. Harris—Pale flesh color.
Wm. F. Dreer—Creamy white, pink edging.
Prof. C. S. Sargent—Rich yellow and buff.
Robert Craig—Yellow, shaded with apricot.
John Burton—Delicate peach color.

All fragrant, very double, undeniably hardy and strong growers.

HOOPES, BRO. & THOMAS,

Maple Avenue Nurseries, West Chester, Pa.

Mention the Review when you write.

Asparagus Sprengeri!

3, 3½ and 4-inch pots, at \$4.00, \$5.00 and \$7.00 per 100 respectively. Ready to ship.

Carnation Cuttings as long as they last, cheap.

Price upon application.

JOHN BROD, - - Niles Center, Ill.

Mention the Review when you write.

WE ARE Headquarters for



Heliotropes—10 named leading varieties, \$1.00 per 100; \$3.00 per 1000.

Coleus—30 best, named leading varieties, 70c per 100; \$6.00 per 1000.

Petunias—(Kansas) Double White, a grand bloomer, very strong grower, a good one. 2 to 2½-in. pots, \$3.00 per 100; 3 to 4-in. pots, \$5.00.

Salvias—4 of the best select, named varieties, surely they are fine, \$1.00 per 100; \$8.00 per 1000.

Chrysanthemums—30 best named varieties. Rooted Cuttings, \$1.25 per 100; \$10.00 per 1000.

Boston Ferns—4-in., \$12.00 per 100; 200 for \$20.00. Fine plants.

Asters—Vick's Best, in separate colors, nice strong plants, 60c per 100; \$5.00 per 1000. Prepaid.

Smilax—Very strong seedlings, 60c per 100; \$5.00 per 1000.

Cannas—Austria, fine strong bulbs, to close out, \$5.00 per 1000. Prepaid.

Express prepaid on rooted cuttings—Satisfaction and safe arrival guaranteed in every respect. That cash or C. O. D. please. New list now ready.

C. HUMFELD, The Rooted Cutting SPECIALIST, CLAY CENTER, KAN.

GERANIUMS. VINCAS. COLEUS.

3000 fine, thrifty Geraniums, 3-in., \$4.00; 3½-in., \$5.10; 4-in. \$7.00 per 100. Splendid Value
5000 very choice Vinca Var., 2½-in., \$2.50; 3-in., extra good, almost equal to 4-in. stock, \$4.00.
Verbenas, good colors, Henderson's Mammoth, \$1.75 per 100.

Pansies full bloom, \$1.50 per 100.

Cannas, Crozy, Vaughan, Henderson, Charlotte, Austria, Flamingo, large 4-in., thoroughly pot-bound, \$6.00 per 100. Big Bargain.

Ivy Geraniums, finest varieties, 4-in., \$7 per 100.

Coleus, choice assortment, 2-in., \$2.00 per 100.

Tuberous Rooted Begonias, 4-inch, fine, \$8.00 per 100.

Roses, Maids, Golden Gates, Perles, \$1.50 per 100; Ivory, \$2.00, strongly rooted cuttings.

W. H. Gullett & Sons, Lincoln, Ill.

Cannas

Well Established, Pot-Grown of the following kinds:

Shades of Red—Duke of Marlborough, Chas. Henderson, I. Montel, Mme. Crozy, Sarah Hill, S. Buchner, Scarlet Queen, S. de Antoine Crozy, Beate Poitevine, J. D. Elsie, A. Bouvier, Antoine Chantini, Paul Marquant.

Shades of Yellow—Canary, Burbank, Austria, Duchess de Montmort, Florence Vaughan.

Grand Rognon for foliage only, best red leaved Canna for effect.

Purchaser's choice, \$1.00 per 100.

Our choice, \$3.50 per 100. Address

R. S. BROWN & SON,
BOX 335. KANSAS CITY, MO.

Mention the Review when you write.

CLEARANCE SALE.

Easter is gone and now you should close up with Seasonable Stock. Don't put it off so late that you will miss getting what you require. Our stock is fine. First come, first served. Order to-day. 25 at 100 rate, 250 at 1000 rate.



PONDEROSA LEMON.

	Per doz.	Per 100
Honeysuckles, 2 1/2-inch pots, 12 to 15 inches high. Scarlet Trumpet, Halleana, Chinese Evergreen and Golden Leaved, \$20.00 per 1000.....	.40	\$ 2.50
Hydrangeas, Otaksa, Thos. Hogg and red branches, 2 1/2-inch pots.....	.50	3.00
Hoya Carnosa, 2 1/2-inch pots, fine plants, \$35.00 per 1000 ..	.60	4.00
Jasmines, Grandiflora or Star Jasmine and Revolutum, the yellow flowered. \$18.00 per 1000.....	.30	2.00
Justicia or Flame Flower, 2 sorts, fine plants, \$20 a 1000 ..	.40	2.50
Lemon Ponderosa, has ponderosa fruit. Anyone can bloom and fruit it. It blooms in large clusters, the individual flowers as large as tuberoses. It is the best selling plant we have and we recommend it to all florists, 2 1/2-inch pots, \$25.00 per 1000.....	.50	3.00
Lemon Ponderosa, 2 1/2 feet high.....	1.50	10.00
Lemon Ponderosa, 3 to 4 feet high, 50c each.....		40.00
Linum Trigynum, always in bloom.....	.30	2.00
Lantanas, Dwarf flowering, in best sorts.....	.40	3.00
Matrimony Vine, perfectly hardy. \$20.00 per 1000.....	.40	2.50
Moon Vines, blue and white flowering. Now is the time to buy. Don't put it off until you can not find them. We have 50,000 plants to offer, \$27.50 per 1000.....	.50	3.00
Manettia Bicolor, handsome flowers, \$20.00 per 1000.....	.40	2.50

	Per doz.	Per 100
Asparagus Plumosus Nanus, 2 1/2-inch pots, \$25.00 per 1000.....	.50	\$3.00
Asparagus Sprengeri, 2 1/2-inch pots, \$20.00 per 1000 .....	.40	2.50
Asparagus Comorensis, 2 1/2-inch pots, grows stronger than Plumosus Nanus, \$25.00 per 1000 .....	.75	5.00
Achillea, The Pearl, white flowered, 2 1/2-inch pots, \$17.50 per 1000 .....	.40	2.00
Acalypha Marginata, fine bedder, \$20.00 per 1000.....	.40	2.50
Anemone, Queen Charlotte, new, large flowered.....	.50	3.00
Begonias, flowering, 6 best varieties.....	.50	3.00
Bougainvillea Sanderiana, 2 1/2-in. pots, fine stock for shifting on, \$40 a 1000..	.75	5.00
Cannas, all our Cannas are plants from pots ready to move right off. They are much superior to dormant roots. Egandale, Mme. Crozy, Mile. Berat, Queen Charlotte, \$30.00 per 1000.....	.50	3.50
Crotons in 10 best sorts, 2 1/2-inch pots, \$27.50 per 1000.....	.50	3.00
Caladium New Century, the flowering Caladium.....	.75	5.00
Coleus, including Verschaffeltii, Hero and all the best bedder, 2 1/2-inch pots, \$17.50 per 1000 .....	.30	2.00
Chrysanthemums, all the leading sorts. We have 100 varieties to offer.....	.40	3.00
Cuphea Tricolor, highly colored flowers.....	.30	2.00
Cestrum Parquii, Night-blooming Jasmine.....	.50	3.00
Dracena Indivisa, 2-inch pots.....	.40	2.50
Daisies, Paris or Marguerite, 2 sorts, white and yellow, the best, \$20 a 1000...	.40	2.50
Fern Balls, 5-inch	2.50	20.00
Fuchsias in all the leading kinds, both double and single, fine young stock. \$20.00 per 1000 .....	.40	2.50
We are large growers of Fuchsias and have all the best varieties,		
Genista Canariensis, 2 1/2-inch pots.....	.50	3.00
Geraniums, double and single, all leading varieties, 2 1/2-in. pots, \$25 a 1000 ..	.50	3.00
Geraniums, Mountain of Snow, silver leaved .....	.50	3.00
Helianthus Multiflorus, hardy sunflower, \$25.00 per 1000.....	.50	3.00
Hibiscus, 12 leading sorts, \$25.00 per 1000 .....	.50	3.00
Hibiscus, Crimson Eye, perfectly hardy.....	.50	3.00
Primula Obconica Grandiflora, 2-in. pots, \$20.00 per 1000 ..	.40	2.50
Passiflora Constance Elliott, hardy white flowering Passion Vine, \$20.00 per 1000 .....	.40	2.50
Phyncospermum Jasminoides, fragrant white flowers.....	.40	2.50
Rudbeckia, Golden Glow, \$20.00 per 1000.....	.40	2.50
Royal Purple, Strobilanthes, fine, highly colored bedder. \$17.50 per 1000 .....	.30	2.00
Smilax, 2-inch pots, \$17.50 per 1000.....	.30	2.00
Sage, Holt's Mammoth, \$20.00 per 1000 .....	.40	2.50
Spiraea, Anthony Waterer, 2 1/2-inch pots, \$25.00 per 1000 ..	.50	3.00
Spiraea, Caryopteris, Hardy Blue Spiraea, 25.00 ..	.50	3.00
Salvias, Le President, Dwarf Scarlet Salvia and Splendens. The old stand-by, \$20.00 per 1000 .....	.40	2.50
Solanum Azureum, the blue flowering Solanum, extra fine, \$25.00 per 1000 .....	.50	3.00
Tritoma Pfitzerii, new ever-blooming Tritoma, \$40 a 1000..	.75	5.00
Vinca Major Variegata, 2-inch pots, \$17.50 per 1000 .....	.30	2.00
Violets, Princess of Wales, California, Hardy Russian, 2 1/2-inch pots, \$20.00 per 1000.....	.40	2.50
Violets, Hardy English Double Flowered, \$25.00 per 1000..	.40	3.00

Address

THE GOOD & REESE CO., SPRINGFIELD, OHIO.

THE LARGEST ROSE GROWERS IN THE WORLD.

Mention The Review when you write.

VERBENAS

IN BUD AND BLOOM.

2 1/2-inch pots, \$2.50 per 100; \$20.00 per 1000
3-inch pots... 3.00 per 100; 25.00 per 1000

J. L. DILLON,
BLOOMSBURG, PA.

Mention The Review when you write.

Begonia

Gloire de Lorraine.

Guaranteed first-class stock. June and July delivery. \$15.00 per 100.

S. S. SKIDELSKY,
708 N. 16th St., PHILADELPHIA.
Mention The Review when you write.

B. & A. SPECIALTIES.

BAY TREES, BUXUS,
HERBACEOUS PLANTS,
TREE PAEONIAS.

H. P. STANDARD and CLIMBING ROSES are among our specialties.

JUST RECEIVED: a large consignment of **Kentias** in all sizes, from 2 feet to 12 feet. Also 1500 BAY TREES.

We will be pleased to have any one call and inspect the stock. If you cannot call, ask for special list.

BOBBINK & ATKINS, - - RUTHERFORD, N. J.

Mention The Review when you write.

JULIUS ROEHRS

RUTHERFORD, N. J.

The Grandest Stock of BAY TREES, PALMS and COMMERCIAL ORCHIDS in America. Send for Catalogue.

Mention the Review when you write.

THE E. G. HILL CO.

Wholesale
Florists,

RICHMOND, INDIANA.

Mention The Review when you write.

FOLEY MANUFACTURING CO.

Office
471 W. 22nd St., CHICAGO

Send for New
Catalogue
Free.

GREENHOUSE MATERIAL

Cypress
Woodwork.

NEW Red Cedar Posts.
IRON GUTTER.

PERFECTION LIFTING APPARATUS.
PURLIN SUPPORT FITTINGS, HINGES, Etc.
CONCENTRIC PRINCIPLE OF CUTTING SASH BARS.

TARRYTOWN, N. Y.

Tarrytown Horticultural Society.

The regular meeting of the Tarrytown Horticultural Society was held on April 30, with President David McFarlane in the chair.

The following names were proposed for active membership: Alex. McLennon, of Scarborough; James Taxter, of Glenville; John Dervan, of Glenwood; A. E. Minnerly, of Tarrytown.

Mr. Scott's prize was awarded to Howard Nichols, of Glenwood, for two best pots of calceolaria. Mr. James Smith, of White Plains, received honorable mention for a vase of Heuchera alba; Mr. Joseph Bradley, honorable mention for vase of Tritoma Crockeri.

The rose and strawberry show will be held in the lyceum, June 11, and will be free to all. A few changes were made in the June schedule.

Mrs. L. A. Martin, of Greenwich, donated a very handsome combination writing tablet and album for a prize at the June show.

Several members were present for the first time at any regular meeting.

H. J. RAYNER,
Corresponding Secretary.

THE American Park and Outdoor Art Association has issued, Vol. 6, part 3 of its reports, which is largely devoted to papers on school gardening read at the Boston meeting. An enclosed leaflet announces the passage of an act by the Pennsylvania state legislature that materially restricts the indiscriminate placing of advertising signs, posters, etc., in public places, and that should result in a considerable abatement of this nuisance in that state. A similar bill has been introduced in the Illinois legislature, but it has not yet been acted upon. The secretary of the association is Chas. M. Robinson, 65 So. Washington street, Rochester, N. Y.

CUT FLOWER BOXES.

WATERPROOF. Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size	No.	Dimensions	Price per 100	Price per 1000
No. 0	3x4	x20	\$2.00	\$18.00
No. 1	3x4 1/2	x18	1.75	15.00
No. 2	3x6	x18	2.00	18.00
No. 3	4x8	x18	2.40	22.00
No. 4	3x5	x24	2.75	25.00
No. 5	4x8	x22	3.00	27.00
No. 6	4x8	x28	3.75	35.00
No. 7	6x16	x20	5.50	53.00
No. 8	3x7	x21	3.00	29.00
No. 9	5x10	x35	6.50	60.00

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

The Livingston Seed Co., Columbus, O.
Box 104.

Mention The Review when you write.

"Thripscide"

(REGISTERED)

Greenhouse Fumigating Powder

Is the newest and best article on the market to-day for the complete destruction of all insects that infest Greenhouses or Conservatories, being a special boon to Rose and Beauty growers and prepared particularly for the destruction of **Greenfly** and **Thrips**. There is nothing injurious in it to plant life, even the most delicate fern. It is especially recommended for Beauties, Roses, Carnations, Chrysanthemums, Lilies, Smilax, Asparagus, Palms, Ferns, etc., and we claim that insects will be entirely eradicated when the houses are thoroughly fumigated with the powder. It is put up as follows:

1 lb. Tin Can	.....	\$ .25
5 lb. Tin Can	.....	1 00
25 lb. Sealed Box	.....	4 50
100 lb Sealed Box	.....	16 50

Send for copy of testimonials. For reference we refer to Messrs. Bassett & Washburn, Hinsdale, Ill. Prepared by the Lilly-Lilly Chemical Co. and sold by

E. H. HUNT, 76-78 Wabash Ave., CHICAGO.

Mention The Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers

MOST EFFECTUAL

LITTLE TROUBLE

VERY CHEAP

NO PLANT INJURED BY ITS USE

So report Messrs. Wm. Baker & Sons, Geneva, N. Y., April 27, 1903, of

NICOTICIDE

The Bug Killer.

Of all Seedsmen.

Tobacco Warehousing and Trading Co.
Louisville, Ky.

Mention the Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers.



CYPRESS and OAK TUBS, All Sizes, manufactured by ourselves. Ask for Price List

BOBBINK & ATKINS, -- RUTHERFORD, N. J.

Mention the Review when you write.

We have special low prices to offer, and can save you money on

Galvanized Wire Rose Stakes.

Write us for price before ordering elsewhere. Also Model Extension Carnation Support.

IGOE BROS., Manufacturers, 228 North 9th Street, Brooklyn, N. Y.

Mention the Review when you write.



HITCHINGS & CO.

233 MERCER ST., NEW YORK.

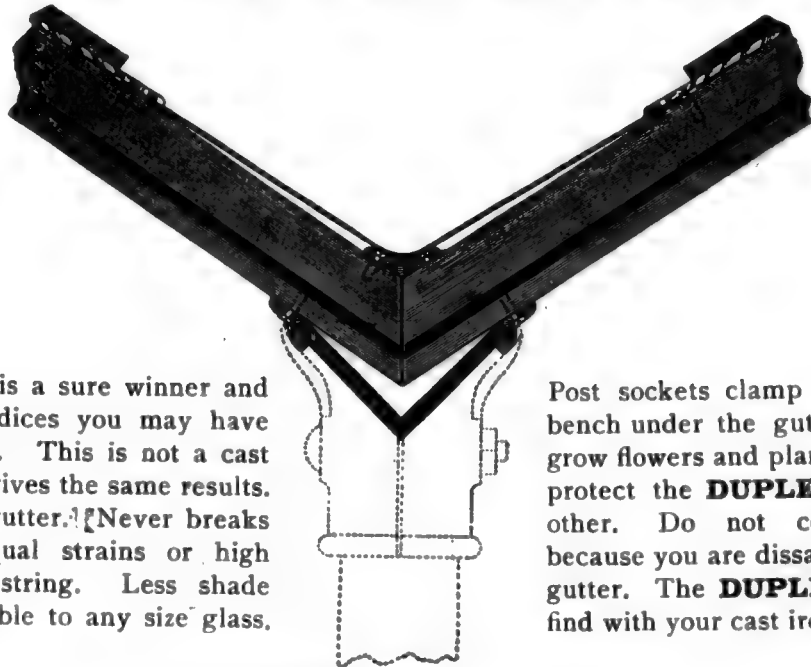
GREENHOUSE BOILERS

PIPES, FITTINGS AND VENTILATING APPARATUS
Send Four Cents for Catalogue. GREENHOUSE BUILDING

Mention The Review when you write.

The 1903 Duplex Gutter

IS THE ONLY GUTTER.



To see it in a house is a sure winner and will set aside the prejudices you may have against cast iron gutters. This is not a cast iron gutter. None other gives the same results. No drip from glass or gutter. Never breaks by sagging posts, unequal strains or high winds. Straight as a string. Less shade than any other. Adjustable to any size glass.

Post sockets clamp on posts and gutter. A bench under the gutter is the best place to grow flowers and plants in the house. Patents protect the **DUPLEX**, one gutter under the other. Do not condemn the **DUPLEX** because you are dissatisfied with your cast iron gutter. The **DUPLEX** has not the faults you find with your cast iron gutter.

CATALOGUE FREE. ADDRESS

E. HIPPARD, Manufacturer and Patentee, Youngstown, Ohio.

\$25 to COLORADO and BACK.

It has been estimated that between 8,000,000 and 10,000,000 persons in the United States take a vacation every summer. They spend between \$400,000,000 and \$500,000,000 yearly in pursuit of pleasure. This is a great deal of money to spend during a vacation, but this season the expenditure per capita may be somewhat less on account of the low railroad rates offered by the Chicago, Milwaukee & St. Paul Railway.

From July 1 to 10 this line will sell tickets to Colorado and return from Chicago for \$25. This will enable many to enjoy their summer's outing at slight expense. Colorado resorts are cooler than the seashore.

Through train service, Chicago to Denver, every day via the Chicago, Milwaukee & St. Paul and the Union Pacific line.

W. S. HOWELL, General Eastern Agent, 381 Broadway, New York City.

GLASS Greenhouse Sizes a Specialty.

PAINT, PUTTY, Etc.

CASPER LIMBACH, Pittsburg, Pa.

60 Washington Ave., 31st Ward.
1929 Carson St., S. S.

Mention The Review when you write.

DON'T FORGET that you will find all the best offers all the time in our classified ads., and that you can there quickly find what you want if it is in the market.

Glass

For Greenhouses, Graperies, Rose Houses, Hotbeds, etc.

FRENCH or AMERICAN.

Bent Glass

VANHORNE, GRIFFEN & CO.,
443-449 Greenwich St.,
40-48 Vestry St., NEW YORK.

Mention the Review when you write.

Florists' Foil

AMERICAN BRAND

PLAIN, EMBOSSED,
COLORED.

MANUFACTURED BY

Violet and Rose Foil a Specialty.

The John J. Crooke Co.

155 to 163 Ave. D, NEW YORK.
Established 1850. 149 Fulton St., CHICAGO

Mention The Review when you write.

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THE BLACK STUFF FINE For Sprinkling Only.

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THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

590-535 Caxton Building,
334 Dearborn Street, Chicago.

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J. AUSTIN-SHAW, Manager.

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INDEX TO ADVERTISERS.

This index covers only those having displayed advertisements. There is a host of others making offers in our classified ads. and they will be found there under their proper headings.

Allen, J. K.	14	Greene & Underhill	15
Am. Woodenware Co.	39	Greenhouse Mfg. Co.	40
Amling, E. C.	11	Gude & Bro., A.	18
Aschmann, Godfrey	12	Gullett & Sons	34
Baker, W. J.	13	Guttman, A. J.	15
Ball, C. D.	15	Hammond, J. A.	14
Barnard & Co.	1	Hancock, Geo. & Son	29
Bassett & Washburn	12-16	Hauswirth, P. J.	18
Baur Co., S. A.	2	Heacock, Jos.	13
Bayerdorfer & Co.	2	Herr, A. M.	13
Beckert, W. C.	29	Herrmann, A.	13
Beneke, J. J.	18	Hicks & Crawbuck	15
Bentley & Co.	16	Hill Co., E. G.	35
Berger, H. H. & Co.	2	Hippard, E.	37
Bernheimer, E.	13	Hitchings & Co.	36-38-40
Berning, H. G.	17	Holton & Hunkel Co.	17
Boblink & Atkins	35-36	Hoopers, Bro. & Thomas	34
Bonnot Bros.	14	Humfeld, C.	34
Bowe, M. A.	18	Hunt, E. H.	2-16-29-36
Bradshaw & Hartman	14	Igoe Bros.	36
Brant & Noe	33	Jacobs & Son	38
Breitmeyer's Sons	12-18	Johnson & Stokes	13
Brinkerhoff, Geo. M.	15	Jurgens, Aug.	33
Brod, J.	34	Kasting, W. F.	1
Brown & Son, R. S.	34	Kellogg, Geo. M.	17
Bruns, H. N.	17	Kennicott Bros. Co.	1-10
Buckley Plant Co.	10	Kramer & Son	39
Budlong, J. A.	16-33	Kreshover, L. J.	15
Buettner, E.	33	Kroeschell Bros. Co.	40
Burpee, W. Atlee & Co.	29	Kuehn, C. A.	17
Caldwell Co., W. E.	38	Kuhl, Geo. A.	12
Caldwell The Woodsman Co.	13	Lager & Hurrell	13
California Carnation Co.	29	Lange, A.	18
Century Flower Shop	18	La Roche, M. F.	2-15
Chapin Bros.	18	Larkin Soap Co.	39
Chicago Carnation Co.	1	Lecakes & Co., N.	15
Clarke Bros.	18	Limbach, O.	37
Clarke's Sons, David	18	Livingston Seed Co.	36
Classified Ads.	20	Loomis Floral Co.	28
Colflesh, J. W.	32	Lord & Burnham	40
Converse Green-houses	28	Ludemann, F.	29
Cottage Gardens	29	McConnell, Alex.	18
Cowee, W. J.	16	McCullough's Sons	17
Crabb & Hunter	12	McManus, James	14
Critchell's	32	Mackintosh	18
Crowl Fern Co.	2	Manhattan Supply Co.	11
Crooke Co., J. J.	37	Michigan Cut Flower Exchange	13-17
Cunningham, J. H.	30	Millang, C.	14
Cushman Gladiolus Co.	29	Moninger Co., J. C.	39
Dearborn Engraving Co.	39	Moon Co., W. H.	10
Dietsch, A. & Co.	39	Moore, N. C.	34
Diller, Caskey & Co.	36	Moore, Hentz & Nash	14
Dillon, J. L.	19-35	Mosbaek, L.	30
Dillon Greenhouse Mfg. Co.	40	Moss, Isaac H.	19
Dorner, F. & Sons Co.	19	Muno, John	6
Dreer, H. A.	13-32-40	Murphy, Wm.	17
Dudley & Son	19	Nanz & Neuner	14
Dunne & Co.	2	National Florists' Board of Trade	15
Eickholt, Mrs. Chas.	19	N. Y. Cut Flower Co.	14
Eisele, C.	10	Niessen, Leo	13
Ellis, F. M.	17	Park Floral Co.	19
Fellouris, A. J.	16	Parker-Bruen Co.	39
Florists' Hall Asso.	29	Pennock, S. S.	12
Foley, J. J.	14	Perkins, J. J.	15
Foley Mfg. Co.	36	Phoenix Nursery	34
Foster, L. H.	17	Philadelphia Wholesale Flower Market	15
Fuchs, Albert	28-30	Pierfson, A. N.	15
Garland, Geo. M.	40	Pierson-Sefton Co.	40
Garland, Frank	16	Pierson, F. A.	12
Gesler & Drury	30	Pierson Co., F. R.	1-31
Gasser Co., J. M.	18	Pine Tree Silk Mills Co.	19
Geller, Sigmund	2	Pittsburg Cut Flower Co.	13
Ghormley, W.	14	Pittsburg Rose and Carnation Co.	12
Giblin & Co.	40	Poehlmann Bros.	16-32
Gibbons, H. W.	39	Pollworth Co.	34
Good & Reese Co.	35	Quaker City Machine Works	40
		Randall, A. L.	16

Rawlings, E. I.	28	Stoothoff Co., H. A.	37
Rawson & Co.	29	Stumpp & Walter	29
Reed & Keller	2	Swanson, Aug. S.	18
Regan Ptg. House	39	Thorburn, J. M. & Co.	13
Reid, Edw.	13	Tobacco Warehouse-ing & Trading Co.	36
Reinberg P.	16-32	Traendly & Schenck	15
Reinberg, Geo.	16-33	Van Horne, Griffen & Co.	37
Rice, M. & Co.	2	Vesey, W. J. & M. S.	11
Riedel & Co.	14	Vincent, Jr. R. & Son	31
Robinson & Co.	19	Virgin, U. J.	18
Rock, W. L.	9	Wabash Ry.	57
Roehrs, Julius	33-35	Wadley & Smythe	18
Rupp, J. F.	2	Wagner Park Conservatories	33
Ryerson, U. C.	39	Walker & Co., F.	18
Salter, W. H.	12	Weathered's Sons	40
Saltford	18	Weber, F. H.	19
Saltford, Geo.	14	Weber & Sons	15
Sampson, Wm.	15	Weiland, M.	18
Samuelson, C. A.	19	Weiland & Risch	16
Schmitz, F. W. O.	2	Whetstone & Co.	39
Scollay, J. A.	40	Whitton, S.	28
Scott, John	2	Wiegand & Sons	19
Scott, W.	18	Wielor Bros.	16
Seattle Floral Co.	18	Winterson Co., E. F.	10
Sheridan, W. F.	14	Wittbold Co.	18
Shibley	18	Wilks Mfg. Co.	38
Siebrecht & Son	18	Young, John	14
Sievers & Boland	18	Young, J. W.	13
Skidelsky, S. S.	35	Young & Nugent	14
Smith & Son, N.	30	Young, Jr., W. J.	10
Smith Co., W. & T.	28		
Stern, J.	2		
Stewart, S. B.	18		

FAIRBURY, ILL.—A. F. Longren is here, glazing a new 300-foot house for Kring Bros.

OAKLAND, CAL.—The Hortensia Horticultural Society is prospering, new members from those in the trade joining at nearly every meeting. There is a good attendance at Baker's Hall on each second and fourth Saturday.

EVERETT, WASH.—R. S. Colvin says trade is good, spring late, giving plenty of time for planting. Peterson can not meet the call for carnations. La Gross has a fine field of roses. Rogers, of the Globe Wall Paper Co., will build a greenhouse.

See That Ledge.

Pat. Sept. 15, 1900.

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IRON GUTTER.

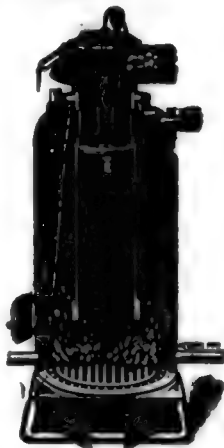
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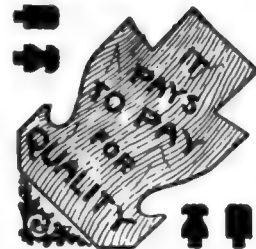
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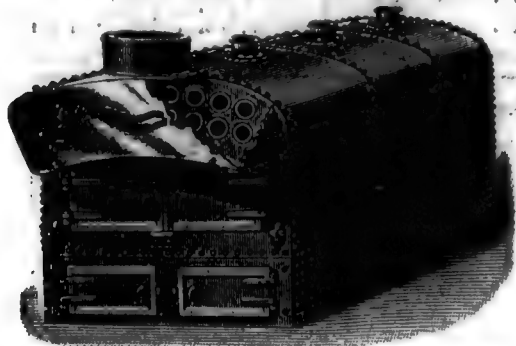
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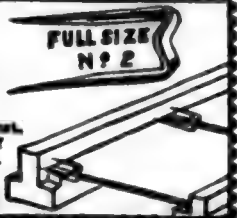
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SECTIONAL and ROUND. STEAM or WATER.

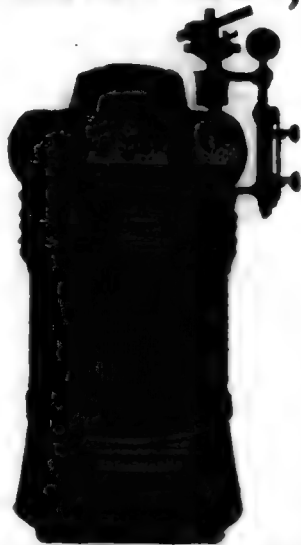
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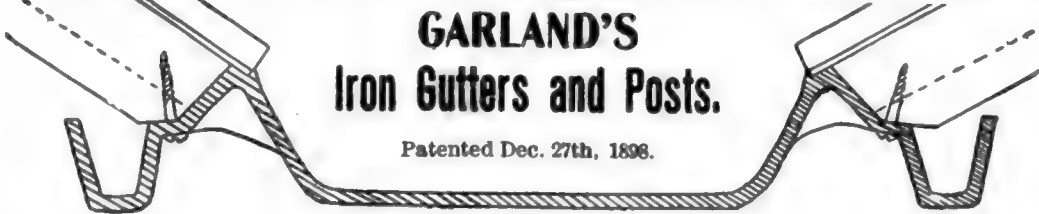
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FLORISTS' REVIEW

FLORISTS' PUBLISHING CO., 520-535 Carlton Building, CHICAGO.

Vol. XII.

CHICAGO AND NEW YORK, JUNE 4, 1903.

No. 288.

THIS SPACE BELONGS TO THE
F. R. PIERSON COMPANY

SEE OUR ADV. OF
Nephrolepis Piersoni
ON PAGE 42.

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1000 Chicago, 800 Florence Vaughan, 500
Antoine Crozy, 500 H. A. Dreer, 100 Papa
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TOBACCO DUST, fresh stock.....\$1.75 per 100 lbs.
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Full line of Glazing Tools,
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The Pierson Fern

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There is nothing that you can plant that will increase in value so rapidly as this fern. The demand has been so great, and our advance sales so large, that we have not offered it recently, having only just completed filling advance orders. We have a nice lot of young stock coming on, and can fill all orders received from this date promptly on receipt. Even at the present high price it has been impossible to keep up with the demand, and there is sure to be a tremendous demand for it another season when it can be offered at lower prices. Now is the time to invest in it and get the benefit of the tremendous demand

and good prices which are sure to prevail another season. The Boston Fern, although it has been cultivated many years, is still scarce. As Nephrolepis Piersoni will sell better and be in greater demand even than the Boston Fern, we predict a scarcity of Nephrolepis Piersoni for several years to come and at big prices. Owing to the great and continued demand, we do not expect to be more than able to meet the demand this spring, so that customers can rest assured that there will be no change in price this season.

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Extra large plants, 6-in. pots, \$27.00 per doz.; 50 plants at \$1.80 each; 100 plants at \$1.50 each. These large plants will make fine stock for growing on into large specimens for fall trade, and they are also very nice for immediate sales.

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Good flowering Stock, 3 to 4 inches in circumference, \$3.00 per 1000.

Prices hold good while stock on hand.

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Asparagus Sprengeri, fresh crop.....	100	1000
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Areca lutescens.....	.75	6.00
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Primula sinensis fimbriata, in pure white, blood red, crimson, rose, white with yellow eye, blue.....	.25	1.75
All colors Primula mixed.....	.20	1.50
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FLORISTS' SUPPLIES.

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Galax Leaves and all Decorative Greens.

Fuchsia

"Little Beauty"

The grandest Fuchsia ever introduced to the trade.

Will produce five times as many flowers as any other Fuchsia in commerce. It is an ever-bloomer. Makes an ideal pot plant for market sales.

We have the largest and finest stock in the land of this wonderful blooming plant in several sizes.

Price—2½-inch.....	\$5.00 per 100
3-inch.....	7.00 "
4-inch.....	10.00 "

Address

The S. Alfred Baur Co.

Terms: Cash or reference. **ERIE, PA.**

Mention The Review when you write.

THE RETAIL

FLORIST.....

SIMPLE FLORAL ARRANGEMENTS.

The florist who is required to produce certain formal designs is likely to grow weary of a repetition of the same forms, and to attempt to introduce variations into his work. These, if artistically done, are noticed, commented on and appreciated by his patrons.

The engraving shows how the ordinary three links of the Odd Fellows was added to with this end in view, without losing sight of the main feature of the emblem, or necessitating the use of a label to tell what it was meant to be.

Two of the links were made of yellow carnations and one of pink, and these were attached to a base of natural cycas leaves, while a spray or cluster of Perle des Jardins roses was introduced at one end, and a bow of light green Liberty satin ribbon was added to the whole.

W. T. BELL.

USE OF COMMON FERNS.

How we could do business without common ferns is a question difficult to answer. Tin foil being no longer the proper material for lining wire designs, their soft, dense green is just the thing. The design, lined and filled with sphagnum, again the ferns form a covering for the moss and a background for the

requires foliage more like its own. For center-pieces in plaques, wood ferns are easily and quickly worked up. Two or three can be stemmed together and two or three groups of these look like a fern plant; and a few of these groups soon form center-pieces. With a previous over-night soak and a good sprinkle of water just before they are placed, they keep very well.

It pays to have a few mantel pans in stock of average size. Even in an elaborate decoration nobody cares to have every mantel and sideboard banked with flowers. We have filled our pans many times with wood ferns only, and they have always proved satisfactory, especially for a hall or music-room mantel.

The present fashion for plain lace curtains is another invitation to the decorator to trace dainty patterns on the curtains with these same ferns.

We have also used the larger wood ferns for pot covers, lacing them in with baby ribbon, and inserting some more in the soil and bending over the edge of the pot.

GERTRUDE BLAIR.

ROSES.

Seasonable Hints.

The white rose Ivory which I have been studying during the past season

plants must have been caused by over-propagation, and also by subjecting the parent plants to a high temperature in order to obtain propagating wood. The reason why I come to this conclusion is that the young Ivory stock of our own propagation this season shows quite a different character and is quite as strong and vigorous as Golden Gate, and no doubt they will continue to gain in vitality as they increase in size. From this it will be seen that it would be unfair to attribute any failing in productiveness to the variety, but rather to the weakened condition of the stock.

During the fall and early winter the majority of our Ivories were neither large enough nor strong enough to give first-class blooms, but they evidenced a free blooming character. With the advent of spring, they began to push up strong canes, which budded freely and produced high-grade blooms of a dazzling whiteness and which proved to be good keepers and shippers. True, a proportion of them are a little sparse in foliage, like the parent, Golden Gate, but this is almost confined to the strongest canes, which, by judicious manipulation in stopping and care in feeding, can be made to develop more luxuriant foliage.

Liquid feeding has a tendency to increase the grossness and softness of these canes at the expense of good foliage and should be very sparingly used. A slight top dressing of bone meal and lime alternately gives the leaves a better texture, and makes the canes come closer jointed, thus securing more leaves on the stem.

The claim made by the introducers that it will stand the hot weather without deteriorating is so far amply up-



The Development of Simple Floral Arrangements.

flowers. Thus, having a neutral, uniform background, one can have more freedom in the use of the flowers.

A bowl containing two or three dozen wood ferns can be made to look as natural as a growing plant, and at a cost within the reach of everybody, can give a touch of life to a table or mantel. For extra foliage for the larger flowers they are a great help. They are scarcely suitable for carnations, however. Carnation foliage, being fine-cut, the flower

has given such good results that it deserves a little friendly criticism. When we received the stock, in March, 1902, they were very puny plants and refused to make the least start until they were benched. Even then we despaired of getting any returns from them. However, after remaining inactive in the bench for three weeks they made a start, and attained a good, vigorous growth by October.

The want of vitality in these young

held. That it is, if well handled, nearly immune from the ravages of mildew is also true and it is productive enough to pay under ordinary conditions. These characteristics will be likely to make it a favorite with all growers and particularly with the smaller growers who cannot devote a house exclusively to any one variety, being a more satisfactory all-round white rose than any other on the market.

As a precaution against mildew all

young stock during this changeable weather should have a dusting of sulphur once a week. This should be applied during bright weather, when the foliage is dry, and the houses should be closed for some time so that the fumes may not be dissipated. If there is any necessity for firing it is well to take full advantage of it and paint the pipes with the sulphur mixture.

RIBES.

SOCIETY OF AMERICAN FLORISTS.

All the transportation lines represented in the Western, Central, Trunk Line and Southeastern Passenger Associations have now announced the special rates for the S. A. F. convention at Milwaukee August 18-21. The New England lines only remain to be heard from, and there is no doubt that they will co-operate in the rate agreed upon,

which is one and one-third fare on the certificate plan.

It now becomes the duty of state vice presidents and all others interested in seeing a record-breaking meeting at Milwaukee to get to work and organize so as to get out a creditable representation from their respective districts.

Local agents of the railroads over which parties will travel will be glad to lend active assistance by sending out circulars and otherwise towards securing a full attendance.

The preliminary program of the convention, which will be sent out early in July, will give explicit directions as to the manner of procuring tickets and certificates. In the meantime all inquiries addressed to the secretary's office will be promptly answered and all available information regarding any department of the convention will be cheerfully furnished.

WM. J. STEWART, Secretary.

MISCELLANEOUS SEASONABLE HINTS.



Solid Beds Versus Benches.

In a short time repairing and building benches will be the occupation of many florists. Lucky is the man whose style of house allows him to have his beds on the ground or near it. Mr. Baur, under the head of "Carnation Notes," has written some very sensible articles about solid beds for carnations, and if I repeat in some degree what he has already said I must ask you to excuse me.

Except for bedding plants and small plants in pots, the days of raised wooden benches are, I believe, numbered. Where houses are built, say, 19 to 22 feet wide, with wooden walls five feet high and the pipes beneath the side benches, you could not do without the raised bench unless it were in the center of the house, and the old style of long span to the south will admit only of raised benches. But these houses are fast being superseded by houses like Mr. Pierson's, at Scarborough, or those of Ernst Asmus, of New Jersey, which are some 55 feet wide, with the glass within two feet of the ground; or by another style much more common, viz.: a range of houses, each house 16 to 20 feet wide, all connected, with no partitions, gutters six to seven feet from the ground and supported by a 2-inch pipe or iron post. In neither of these two styles of houses is there the slightest excuse for having raised benches.

When I first saw carnations grown in beds, the surface of which were not over nine inches above the walks. I thought it must be a back-breaking job to weed or attend them, but you soon get over that, and with many varieties they will by spring be more convenient to disbud and tie than those on benches two and a half feet above the ground. Nine inches is, however, a little low. I would, say, have the surface of the beds one foot or fifteen inches above the walks. This will not be found inconvenient for carnations, and for roses it is just the thing, for before half the

winter is over the growth that wants attention is just up to your hands.

The wooden bench is a nuisance all around. If built of pine or hemlock and saturated with crude oil, or given a coat of water lime (hydraulic cement) they will last only five or six years. If all the boards would rot out at once it would be more satisfactory. Then it would be a clean job of building a new bench. But that is not the case; a third of the boards must be removed this year and some more boards you think will do one more year, and you are tempted to leave them, and when your roses or carnations are looking fine and you have some day watered heavily, down goes a board and the soil and plants with it, and then there is a weeping and gnashing of teeth and a sulphureous atmosphere from strong adjectives and descriptive language. But these are only incidental trifles and could be easily borne with if essential to grow our flowers, but they are not, and if your house allows beds on the ground, by no means have the expense and annoyance of benches.

Just a word about wooden benches when they must be built for plant benches. I believe 1-inch boards supported by a 2x4 every four feet is good enough. Perhaps before they are worn out you will have remodeled your place and have torn the bench down. For roses, carnations, chrysanthemums or any crop that needs four or five inches of soil on the bench I believe in 2x6 planks for bottom of bench, allowing, of course, a space of three-fourths of an inch for drainage.

Many people are under the impression that lumber shrinks in the summer and swells in the winter. If in both seasons they are protected from snow or rain, it is just the reverse of this. There is more moisture in the atmosphere in summer and the least during the hard frost, and then is when lumber contracts.

There is no doubt about a good coating of the water line preserving the

boards at least two years longer than they would last without it. We mix the lime in a pail and spread it on the boards with a whitewash brush. You will notice that the boards or planks nearly always go first where they rest on the cross piece of scantling, or where wood touches wood, so put the cement heavy on the top of the cross pieces and on the under side of the board before you nail it down. Dipping or even painting the boards with crude oil is said to be an excellent preventive of decay, but I have had no experience with it.

Those who can get cypress lumber at anything near the price of pine or hemlock should, of course, use it. We all know how durable it is. Tamarack, the American larch, which is closely allied to the southern cypress, both being deciduous conifers, is also far more durable than pine, but in many localities these cost too much, although I am not sure that cypress boards would cost any more than pine of the same quality. Our northern forests are nearly gone and the beautiful tariff prevents us from getting lumber from Canada, and the freight from the south makes it high, so we are paying just about double the price for pine and hemlock boards that we did ten years ago. Of course it protects (?) the man with the ax and saw in the woods and incidentally puts millions into the pockets of the few lucky ones who own the standing timber.

Now for these beds which I so thoroughly believe in for the commercial grower. In the first place, raising benches for the purpose of getting them near the glass for increased light is fudge of the first water. If you have unobstructed light the plant will have as much light fifty feet from the glass as five feet or five inches. Solid beds, in which you have prepared six inches of soil placed on the floor of the house, I have no faith in. Or it may be six inches of soil and beneath it the natural soil dug or plowed a foot deep. That is truly a solid bed. This style of bed will grow roses and carnations, or mums, but not of the right quality.

A little experience is best of all. Two houses of American Beauties were planted late last fall. One was on what is known as hollow brick. The bricks were placed on the floor of the house, which is quite dry. The other had two inches of coal ashes and then four inches of soil. Both have grown about the same, and I may add that each has made more than an ordinary strength of growth, yet I should not have used the coal ashes if I could have afforded more of the hollow bricks, for I consider them the very perfection for the bottom of a bed. A bench of Kaiserin was planted last May on hollow bricks and made a fair growth. After a rest of three months this past winter they have given us a crop of flowers that rather surpasses in quality anything I have seen, and I feel sure that, with an annual top dressing on the four inches of soil on the hollow bricks, they are going to be good for at least another two years. We have also one bench, or rather bed, of Beauties in four inches of soil on three inches of rubble stone and they have grown just as vigorously as on the tile or ashes.

Rubble stone beneath a bed is, I think, excellent drainage, and if you can grow roses anywhere you can grow them above the stones; but when it



Easter Plant Arrangement by C. A. Samuelson, Chicago.

comes to taking out and removing your soil it is not nearly so pleasant and satisfactory a job. These hollow bricks, which are thirteen inches long, five inches wide and four inches high, are laid as close as we can get them, making a solid floor. Roots do get down between, no doubt, but find nothing uncongenial in the moist tile, any more than do the roots of our pot plants around the sides of the pots.

Some people may attach great importance to the free passage of air through these hollow bricks, or 3-inch tile which many use. I humbly beg to say that it does not amount to anything, and if the ends of the tile were sealed up the result would be the same. It is the absolutely perfect drainage of the brick or tile that makes success, far better drainage than any board or plank bench can possibly have. I will just mention that these hollow bricks cost about the same per surface foot as 2-inch common pine lumber, and, it is near enough to say, are everlasting, because in any alteration you may make you need not lose one.

Mr. Baur's brick wall, say one foot high, with six or seven inches of rubble stone and then the soil, is excellent for carnations and needs no tile run through the beds. How can they with such drainage? If the surface of your house is naturally dry, then I can not see any better bed for roses than to lay the hollow bricks on the properly graded floor. Have an edge of cement four and one-half or five inches high, two inches at base, tapering to one and one-half inches. This is an everlasting edge to your bed, but a 2x4 scantling run along the edge and held in place by some pieces of 1-inch pipe driven

into the ground, is quickly done and will last a long time.

I saw at the Dale Estate last fall a most excellent method of making a bench for roses and carnations, and where stone or clinkers could not be had it is fine, but rather expensive. It was a wall of only five or six inches, on the outside of the beds, merely two bricks high. Then old sod was firmly trodden in to the level of top of the bricks; then a floor of 3-inch tile was laid, the tile projecting to the outside of the bricks; a cement edge of four and one-half inches was put on, and there you have the bed. This brought the surface of the bed almost a foot above the walks in the house.

I would not be presumptuous enough to so strongly advocate these beds in place of benches on any experience of my own, although that has been convincing enough for me; but I have seen crops of roses on them surpassing any I have seen on the raised benches. And think, brethren, what comfort and saving is in store for you.

WILLIAM SCOTT.

THE C. S. A. PREMIUM LIST.

The premium list has been issued for the exhibition of the Chrysanthemum Society of America, to open at Herald Square, New York, November 10. Fifty-seven regular classes are provided, besides many special classes, which are steadily being added to.

Classes 1 to 8 are open only to commercial growers. Class 1 is for 50 blooms, one variety, 1st \$30, 2d \$20. Class 2 is for 50 blooms not less than 3 or more than 5 varieties, 1st \$30, 2d \$20. Class 3 is for 30 varieties, one bloom of each, stems to be not less than 10 or

more than 15 inches, 1st \$20, 2d \$12. Classes 4 to 7 are for 25 blooms, yellow, white, pink and "any other color," 1st \$15, 2d \$10. Class 8 is for 25 blooms of any 1903 novelty, 1st \$15, 2nd \$10.

Classes 9 to 13 are for 10 blooms of the several colors, class 14 for 10 blooms in variety, artificial supports allowed, 1st \$8, 2d \$4. Classes 15 to 25 are for 6 blooms of the several colors and named varieties, competition being open to private gardeners only. Artificial supports are allowed on Mme. Carnot.

Classes 26, 27 and 28 are for varieties of 1903, respectively 18 blooms in 6 varieties, 12 blooms in 4 varieties and 6 blooms in 3 varieties, exhibitors allowed to compete in one class only. There are also classes for 36 blooms in 6 varieties, 18 blooms in 6 varieties, 18 blooms in 3 varieties and 5 blooms of any variety in commerce, with liberal premiums.

Classes 33 to 36 are for 6 blooms of any one of the following varieties certificated by the C. S. A. in 1902: Algoma, Amorita, Columbia, Convention Hall, Globosa Alba, H. W. Buckbee, Henry Sinclair, Minnie Bailey, Mlle. Marie Liger, Mrs. Harry V. Casey, Mrs. J. J. Mitchell, Miss Stella T. Elkins, R. E. Richardson, Sephia, Uwanta and Yellow Eaton. Classes 37 to 40 are for six blooms seedlings, and there are four classes for anemone, pompon, hairy and single sorts.

In the plant classes there are liberal premiums for standard and bush plants, also for single stem and bloom, \$359 in 13 classes.

Among the special prizes are the C. S. A. cup for 10 blooms of any one variety, the E. G. Hill Co. premiums for 10 blooms of seedling or foreign variety not in commerce, the N. Smith & Son premiums for 10 blooms of any undis-seminated American seedling and the J. N. May premiums for 12 blooms, 12 varieties, with 2-foot stems, artificial supports permitted where necessary. The Massachusetts Horticultural Society offers \$25 for the best vase of 25 blooms of one variety, to be judged for all-round excellence of culture.

The New York Florists' Club, Tarrytown Horticultural Society, Morris County Gardeners' and Florists' Club, Monmouth County and Tuxedo Horticultural Societies offer classes, open only to their own members, and for the best 25 blooms of 25 varieties and the best 12 blooms of 12 varieties exhibited in these classes. The F. R. Pierson Co., Tarrytown, N. Y., offers silver cups valued at \$50 and \$25 respectively.

Printed copies of the list will be ready in a few days and may be had by addressing Fred H. Lemon, secretary, Richmond, Ind.

HEATING IN GEORGIA.

I have two connected houses where the temperature rarely gets as low as 16 degrees above zero. The houses run east and west, one 13x50, the other 9x50, without partition wall; three-quarter span, wide house 8½ feet to ridge, narrow house 7½ feet. The wider house has two feet of glass in the side wall for 25 feet of the west end. The office is at the west end. The north benches are raised, the balance on the ground or raised only a few inches, for carnations and asparagus. How many pipes will it require to heat with hot water, using 2-inch flow pipes and 1½-inch returns?

J. T.

Four 2-inch flows and ten 1½-inch re-

turns will be ample to heat the houses described. The exact arrangement or grouping of the pipes will depend upon the grade of the houses and width and arrangement of benches and paths.

H. W. GIBBONS.

SOCIALISM THAT PINCHES.

I see that one of the state colleges has let the contract for a range of new greenhouses and note that some of them are to be used for forcing purposes. That looks as though the institution would enter into competition with the legitimate florists on a larger scale than in the past. Now, I never believed it right that a public institution should enter into competition with the taxpayers who help support it, even if they do it fairly, but in many such cases the state pays the bills and the product is sold at a price with which no business man can

ever compete—and who gets the money?

There is one florist near the college I have in mind, who in starting there pinned his hopes of success on the patronage from the school. He is a hard-working man and he has complained to me bitterly about the competition which he and I think unfair. If they go on building greenhouses for growing commercial stock I am afraid others will feel the effects. If a student really wants to learn the inside of the florists' trade and vegetable growing there are plenty of good chances in commercial places. If the state should take a hand that way in all trades and operations of life it would be a socialistic millennium pure and simple.

I hope my bigger brethren will see into that and help the little ones all they can, for this is a fight for a principle.

JOHN LOEHRER.



CARNATIONS

CARNATION NOTES—EAST.

Spraying Plants in the Field.

Although not considered necessary by many growers, it has proven with me to be of benefit to spray field plants with Bordeaux mixture. The principal object is to prevent disease of any kind getting a foothold.

As the use of Bordeaux is generally known to keep plant foliage in a healthy condition it can but follow that its use is to be commended. Apply every other week or after each rain directly the field has undergone cultivation. No arbitrary rule can be laid down, but several applications during their stay in the field will repay for the time spent. When spraying, an excellent opportunity is afforded to examine each plant as to its needs regarding topping, etc.

Plants Indoors.

Memorial day being now past, a good number of plants can be dispensed with, but careful examination should be made in arriving at a decision as to which sorts to continue. Every grower must be his own judge in the matter, taking into consideration what his patrons demand, condition of plants, also weighing well the advisability of keeping a promising bench well into the summer, thereby preventing early planting.

If you decide to throw out the majority, thus giving you plenty of space, or a new house is in process of construction, a decision can be soon made, but in any event, make up your mind to plant early, even at the loss of the sale of a few blooms during July and August, especially so when prices are bound to be low.

With us one bench of Lawson and Floriana will continue, also a smaller quantity of Queen Louise, Estelle and Potter Palmer. Nelson promises exceedingly well but, as repairs to benches must be made, we cannot hold it as we would desire. Potter Palmer

has been given no shade whatever this spring as a test, and it is remarkable how the color has held.

We start the general clean out the first week in June, remove old soil, repair and whitewash benches, fumigate and paint, refilling very soon with new soil. The soil pile outside should already have been turned, then in filling it will receive another thorough mixing. Next week I hope to give you my ideas on filling benches.

GEO. S. OSBORN.

CARNATION NOTES—WEST.

During the past two weeks we have been having enough rain to satisfy our needs for a month if it were distributed properly. During such spells it keeps one guessing how to keep things in good shape. Weeds start up and grow so rapidly that it is hard to keep them down and you must get into your carnation patch every chance you have. During the spring bedding season many growers are prone to let the young carnations take care of themselves and in such a season as this they will have to put on their specs to find the young plants, if they are still alive. How much time and work it would save them if they would go through the patch a couple of times with the hoe and cut the weeds out while they are yet small and the carnation plants can be readily seen. "A stitch in time saves nine," you know.

Don't think that because it rains often enough to keep the soil fairly moist you need not cultivate. You could make no greater mistake. The soil will need all the more loosening up and you should get out your cultivator after every rain, as soon as the soil is workable, and loosen it up so that the next rain can soak down into the soil for future use. A hard packing rain or a few good heavy showers will pack the soil down and level it off so that the water will nearly all run away, instead of soaking in, and in a short time the soil will be quite dry several inches down, instead of being only dry right on top and nice and moist an inch from

the surface. When you cultivate, cultivate deeply, at least two inches, and three inches is better.

Topping will have to be looked after from now on, and some of the varieties will have to be gone over frequently to keep the plants shapely. Such varieties as are inclined to bloom in crops should be gone over more frequently than the steady bloomers. Especially will this be found beneficial in case of early housing. In planting late you lose much of the effectiveness of this practice, because the plants will be full of shoots of nearly the same size, and when the plants begin to grow after the check in transplanting the shoots will all throw their buds about the same time. Those that were longer at transplanting time will grow a little taller than the others, but the appearance of the bud will seemingly date from the time of transplanting and the checking of the growth rather than from the time the break was made. That is why a house planted from pots in June or earlier or from the field in July will bloom more continuously through the next winter and crop less than a house that is planted in August or later.

Now that Decoration day is over you will be able to spare some of your carnation benches and those varieties that are producing only what we term trash should be thrown out. They will bring you in no money—and they will be taking time and water to keep the plants alive. I would not advise you to take the soil off the benches unless you can refill them with new soil, as it will protect the wood from the hot sun. You can allow the soil to dry out and it will be lighter to handle when it is taken out. If there are any benches that need renewing you can do that to advantage now before you begin refilling your houses, and, by the way, just try one of our solid beds with a bottom of cinders and see if you don't like it.

There are many of these things that you can do now, when you are not so busy, which will help you wonderfully next winter, when you begin the refilling of your benches in earnest. You will appreciate the fact then. Give your soil pile a final turning over now and break up all the lumps and see that it gets thoroughly mixed, and keep the weeds from growing on it from now on. What weeds are growing on the pile now you can turn under when you turn the pile over and they will soon rot and enrich the soil.

A. F. J. BAUR.

DRYING OUT IN FIELD.

I am having trouble with my carnations. They were planted in the field about the middle of April and have been watered and cultivated regularly since then. They are now beginning to look dry, and a few of the plants have stem-rot. Is this disease contagious, and what is the best thing to do for them? Also tell me what could have caused it.

SUBSCRIBER.

I can hardly give a definite answer to your query as I have nothing to base an opinion on. There are many things that may cause the young plants to turn dry and, in fact, anything that will seriously injure the growth may cause it to dry up and die. You say they were planted about the middle of April and watered and cultivated regularly since then. Any time in April or the first of May is all right and a good watering



Easter Plant Arrangements by C. A. Samuelson, Chicago.

after planting should do them good, providing it is followed up by a good cultivating as soon as the soil is dry enough. We seldom need to water our young plants in this locality, as we can usually depend on a rain every few days during April, and when the young plants are set in moist earth they take hold and begin to grow at once. Perhaps you have suffered from a long dry and hot spell and unless the watering has been done thoroughly the plants would suffer as you say.

It is a hard task to fight stem-rot in the field, much harder than indoors on the benches, as you can control the conditions inside, while outside you are at the mercy of the weather. Pull up and burn every plant that shows any sign of the disease. See that the plants are not planted too deeply. If they are you can scrape away some of the soil from around them. A good dressing of slaked lime worked into the soil will also help matters. Do not water any more than is really necessary, as excessive moisture is very conducive to stem-rot. You will always find this trouble the worst in wet seasons and on low ground where the water cannot drain off well. After the young plants take a good hold on the soil they do not need a great amount of water to keep them in good growing condition and, in fact, a season of only a moderate amount of rain is best for them. During a wet season the plants will become larger, but softer, too, and transplanting will be much more difficult. Keep your cultivator going to keep the soil loosened up and it will have to get extremely dry to cause any suffering among your carnations.

Another thing that may be causing your plants to turn dry is grub worms.

They will eat away the roots and leave the rootless plant standing, but it soon begins to wilt and dry up. Cut worms usually cut the plants off and they drop over. Then there is the stem borer, which bores into the stem and kills the plant. The grub worm you can kill with the lime, but for the borer I do not know of anything. A. F. J. BAUR.

CHICAGO.

The Market.

Decoration day trade showed some exceptional features, but in general the result was satisfactory. The principal untoward circumstance was the deterioration of rose qualities and the sudden cutting down of the receipts. The shortage in supply would have called for a considerable advance over quoted rates, and, indeed, it was charged on some selected stock, but the quality of much of the material available was such as to preclude any advance. There were no good white roses except a very few Kaiserin and Ivory. Maids were not only small and soft, but off color. Liberty was good.

There were great quantities of carnations and the qualities were good as compared to roses. The demand was also excellent and there was a pretty fair clean-up, although in some houses white predominated and rather hung fire. The popularity of carnations seemed to react on the peonies, but there were not large supplies and many of the receipts were poor. South Water street was in the cape jasmine trade with cheap grades at a dollar a box, and it is probably just as well that the receipts of this item were lighter than usual in our market. The mis-

cellaneous items did not move very well, a very large part of the sales being on shipping orders. Decoration day was rainy, with a temperature of 45 degrees, and Sunday little better for local trade.

There have since developed a great many "kicks" from buyers, who say the stock did not arrive in salable condition. Undoubtedly there was more or less pickled stock; there always is; but no one sent out stale stuff if he knew it, and all goods were soft. There are also reports of several shipments having been caught in the Kansas floods.

This week has seen a very fair business. Supplies were light, as everything had been cut close for Decoration day, and the dark, cold weather held to Tuesday afternoon. As a result, good prices prevailed on roses, carnations and peonies.

Various Notes.

Fritz Bahr is growing Marie Liger chrysanthemum and will exhibit it at the fall show.

It has become the proper thing for downtown retailers to show a slate in the window giving the steamer sailings from New York, with a few words to the effect that cut flowers can be delivered to the staterooms of those en route to Europe.

Kennicott Brothers Company reports that their cape jasmines failed to show up. They have the same source of supply each year, to insure the quality of stock they want. Last year they handled upwards of 50,000 and expected 25,000 for Decoration day this year, but the receipts were only 3,500. The lateness of the stock leaves the shipper practically without a market.

Frank Schramm cut 25,000 carnations of first-rate quality for Decoration day.

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H. W. GIBBONS.

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I see that one of the state colleges has let the contract for a range of new greenhouses and note that some of them are to be used for forcing purposes. That looks as though the institution would enter into competition with the legitimate florists on a larger scale than in the past. Now, I never believed it right that a public institution should enter into competition with the taxpayers who help support it, even if they do it fairly, but in many such cases the state pays the bills and the product is sold at a price with which no business man can

ever compete and who gets the money?

There is one florist near the college I have in mind, who in starting there pinned his hopes of success on the patronage from the school. He is a hard-working man and he has complained to me bitterly about the competition which he and I think unfair. If they go on building greenhouses for growing commercial stock I am afraid others will feel the effects. If a student really wants to learn the inside of the florists' trade and vegetable growing there are plenty of good chances in commercial places. If the state should take a hand that way in all trades and operations of life it would be a socialistic millennium pure and simple.

I hope my bigger brethren will see in to that and help the little ones all they can, for this is a fight for a principle.

JOHN LOEHRER.



CARNATION NOTES—EAST.

Spraying Plants in the Field.

Although not considered necessary by many growers, it has proven with me to be of benefit to spray field plants with Bordeaux mixture. The principal object is to prevent disease of any kind getting a foothold.

As the use of Bordeaux is generally known to keep plant foliage in a healthy condition it can but follow that its use is to be commended. Apply every other week or after each rain directly the field has undergone cultivation. No arbitrary rule can be laid down, but several applications during their stay in the field will repay for the time spent. When spraying, an excellent opportunity is afforded to examine each plant as to its needs regarding topping, etc.

Plants Indoors.

Memorial day being now past, a good number of plants can be dispensed with, but careful examination should be made in arriving at a decision as to which sorts to continue. Every grower must be his own judge in the matter, taking into consideration what his patrons demand, condition of plants, also weighing well the advisability of keeping a promising bench well into the summer, thereby preventing early planting.

If you decide to throw out the majority, thus giving you plenty of space, or a new house is in process of construction, a decision can be soon made, but in any event, make up your mind to plant early, even at the loss of the sale of a few blooms during July and August, especially so when prices are bound to be low.

With us one bench of Lawson and Floriana will continue, also a smaller quantity of Queen Louise, Estelle and Potter Palmer. Nelson promises exceedingly well but, as repairs to benches must be made, we cannot hold it as we would desire. Potter Palmer

has been given no shade whatever this spring as a test, and it is remarkable how the color has held.

We start the general clean out the first week in June, remove old soil, repair and whitewash benches, fumigate and paint, refilling very soon with new soil. The soil pile outside should already have been turned, then in filling it will receive another thorough mixing. Next week I hope to give you my ideas on filling benches.

GEO. S. OSBORN.

CARNATION NOTES—WEST.

During the past two weeks we have been having enough rain to satisfy our needs for a month if it were distributed properly. During such spells it keeps one guessing how to keep things in good shape. Weeds start up and grow so rapidly that it is hard to keep them down and you must get into your carnation patch every chance you have. During the spring bedding season many growers are prone to let the young carnations take care of themselves and in such a season as this they will have to put on their specs to find the young plants, if they are still alive. How much time and work it would save them if they would go through the patch a couple of times with the hoe and cut the weeds out while they are yet small and the carnation plants can be readily seen. "A stitch in time saves nine," you know.

Don't think that because it rains often enough to keep the soil fairly moist you need not cultivate. You could make no greater mistake. The soil will need all the more loosening up and you should get out your cultivator after every rain, as soon as the soil is workable, and loosen it up so that the next rain can soak down into the soil for future use. A hard packing rain or a few good heavy showers will pack the soil down and level it off so that the water will nearly all run away, instead of soaking in, and in a short time the soil will be quite dry several inches down, instead of being only dry right on top and nice and moist an inch from

the surface. When you cultivate, cultivate deeply, at least two inches, and three inches is better.

Topping will have to be looked after from now on, and some of the varieties will have to be gone over frequently to keep the plants shapely. Such varieties as are inclined to bloom in crops should be gone over more frequently than the steady bloomers. Especially will this be found beneficial in case of early housing. In planting late you lose much of the effectiveness of this practice, because the plants will be full of shoots of nearly the same size, and when the plants begin to grow after the check in transplanting the shoots will all throw their buds about the same time. Those that were longer at transplanting time will grow a little taller than the others, but the appearance of the bud will seemingly date from the time of transplanting and the checking of the growth rather than from the time the break was made. That is why a house planted from pots in June or earlier or from the field in July will bloom more continuously through the next winter and crop less than a house that is planted in August or later.

Now that Decoration day is over you will be able to spare some of your carnation benches and those varieties that are producing only what we term trash should be thrown out. They will bring you in no money—and they will be taking time and water to keep the plants alive. I would not advise you to take the soil off the benches unless you can refill them with new soil, as it will protect the weed from the hot sun. You can allow the soil to dry out and it will be lighter to handle when it is taken out. If there are any benches that need renewing you can do that to advantage now before you begin refilling your houses, and, by the way, just try one of our solid beds with a bottom of cinders and see if you don't like it.

There are many of these things that you can do now, when you are not so busy, which will help you wonderfully next winter, when you begin the refilling of your benches in earnest. You will appreciate the fact then. Give your soil pile a final turning over now and break up all the lumps and see that it gets thoroughly mixed, and keep the weeds from growing on it from now on. What weeds are growing on the pile now you can turn under when you turn the pile over and they will soon rot and enrich the soil.

A. F. J. BAUR.

DRYING OUT IN FIELD.

I am having trouble with my carnations. They were planted in the field about the middle of April and have been watered and cultivated regularly since then. They are now beginning to look dry, and a few of the plants have stem rot. Is this disease contagious, and what is the best thing to do for them? Also tell me what could have caused it.

SUBSCRIBER.

I can hardly give a definite answer to your query as I have nothing to base an opinion on. There are many things that may cause the young plants to turn dry and, in fact, anything that will seriously injure the growth may cause it to dry up and die. You say they were planted about the middle of April and watered and cultivated regularly since then. Any time in April or the first of May is all right and a good watering



Easter Plant Arrangements by C. A. Samuelson, Chicago.

after planting should do them good, providing it is followed up by a good cultivating as soon as the soil is dry enough. We seldom need to water our young plants in this locality, as we can usually depend on a rain every few days during April, and when the young plants are set in moist earth they take hold and begin to grow at once. Perhaps you have suffered from a long dry and hot spell and unless the watering has been done thoroughly the plants would suffer as you say.

It is a hard task to fight stem-rot in the field, much harder than indoors on the benches, as you can control the conditions inside, while outside you are at the mercy of the weather. Pull up and burn every plant that shows any sign of the disease. See that the plants are not planted too deeply. If they are you can scrape away some of the soil from around them. A good dressing of slaked lime worked into the soil will also help matters. Do not water any more than is really necessary, as excessive moisture is very conducive to stem-rot. You will always find this trouble the worst in wet seasons and on low ground where the water cannot drain off well. After the young plants take a good hold on the soil they do not need a great amount of water to keep them in good growing condition and, in fact, a season of only a moderate amount of rain is best for them. During a wet season the plants will become larger, but softer, too, and transplanting will be much more difficult. Keep your cultivator going to keep the soil loosened up and it will have to get extremely dry to cause any suffering among your carnations.

Another thing that may be causing your plants to turn dry is grub worms.

They will eat away the roots and leave the rootless plant standing, but it soon begins to wilt and dry up. Cut worms usually cut the plants off and they drop over. Then there is the stem borer, which bores into the stem and kills the plant. The grub worm you can kill with the lime, but for the borer I do not know of anything. A. F. J. Bahr.

CHICAGO.

The Market.

Decoration day trade showed some exceptional features, but in general the result was satisfactory. The principal untoward circumstance was the deterioration of rose qualities and the sudden cutting down of the receipts. The shortage in supply would have called for a considerable advance over quoted rates, and, indeed, it was charged on some selected stock, but the quality of much of the material available was such as to preclude any advance. There were no good white roses except a very few Kaiserin and Ivory. Maids were not only small and soft, but of color. Liberty was good.

There were great quantities of carnations and the qualities were good as compared to roses. The demand was also excellent and there was a pretty fair clean up, although in some houses white predominated and rather hung fire. The popularity of carnations seemed to react on the peonies, but there were not large supplies and many of the receipts were poor. South Water street was in the cape jasmine trade with cheap grades at a dollar a box, and it is probably just as well that the receipts of this item were lighter than usual in our market. The mis-

cellaneous items did not move very well, a very large part of the sales being on shipping orders. Decoration day was rainy, with a temperature of 45 degrees, and Sunday little better for local trade.

There have since developed a great many "kicks" from buyers, who say the stock did not arrive in salable condition. Undoubtedly there was more or less pickled stock; there always is; but no one sent out stale stuff if he knew it, and all goods were soft. There are also reports of several shipments having been caught in the Kansas floods.

This week has seen a very fair business. Supplies were light, as everything had been cut close for Decoration day, and the dark, cold weather held to Tuesday afternoon. As a result, good prices prevailed on roses, carnations and peonies.

Various Notes.

Fritz Bahr is growing Marie Liger chrysanthemum and will exhibit it at the fall show.

It has become the proper thing for downtown retailers to show a slate in the window giving the steamer sailings from New York, with a few words to the effect that cut flowers can be delivered to the staterooms of those en route to Europe.

Kennicott Brothers Company reports that their cape jasmines failed to show up. They have the same source of supply each year, to insure the quality of stock they want. Last year they handled upwards of 50,000 and expected 25,000 for Decoration day this year, but the receipts were only 3,500. The lateness of the stock leaves the shipper practically without a market.

Frank Schramm cut 25,000 carnations of first rate quality for Decoration day.

At the last club meeting a committee was appointed with full power to arrange for hospitalities for visitors at the time of the S. A. F. convention at Milwaukee. A meeting of all those in the trade will shortly be called to devise ways and means.

A. B. Everett is putting out his usual big field of asters.

The rose growers are well along with the work of replanting. Some of them will cut from the first houses before the end of this month.

Mr. and Mrs. J. D. Thompson were at Fox Lake for the holiday.

"Billy" Graff has opened stores at Columbus, Youngstown and Dayton, but spends his own time buying in this market.

Wietor Brothers have finished planting their new range of houses.

"Larry" Kelly has opened a flower store at 521 West Taylor street.

John Hoeft, formerly of Park Ridge, will open a retail cut flower store with the Elgin Seed Company, Elgin, Ill.

W. Freeman, with P. A. Freeman, Aurora, Ill., was a visitor June 2.

At Peter Reinberg's they say Chatenay has been their most profitable rose this year.

Bassett & Washburn have demonstrated that grafted roses are best in the second year, and are therefore carrying over a large part of their stock.

Sam Pearce has the contract for furnishing bedding plants for the small Chicago city parks.

Ludwig Mosbaek says this was by far his best season. He sold very many thousands of bedding plants and was cleaned up on everything that had a flower at Decoration day. For one item, he sold 180,000 blooming pansy plants this spring.

Sinner Brothers are planning to put up three houses 30x200. They will discard Meteor this year and have planted a house of Liberty and two of Beauty.

A. L. Vaughan's little daughter is ill with the measles.

Bowling.

Following is the score made on the alleys June 2:

Player—	1st.	2d.	3d.
Balluff	152	151	167
Asmus	178	138	208
Hauswirth	192	140	138
G. Stollery	134	189	157
Kretling	125	128	140
F. Stollery	144	164	146
J. Lambros	167	101	163
H. A. Bunyard	128	109	146
Winterson	196	163	167
Sterrett	144	152	150
Scott	177	164	181
Pruner	161	159	169

BOSTON.

Decoration Day.

New England has established a new floral record. Never in its history of blossomdom has May 30, 1903, been surpassed or even approached for amount of material handled, and I am not sure but that all former records of amounts in cash values are broken. Presume they are. There seemed only a fair amount in for Thursday of that week, and prices ran high without the material to fill demands. Friday, however, was a wonder. A tornado of blossoms struck town. Prices quivered a bit, but the generous demand gulped about everything down and all hands were happy. Saturday morning there still was use for all the growers could produce, and all were pleased to see the clouds roll by in the afternoon, and

now we want a good, thorough drenching, as things are getting decidedly dry.

A peculiarity of the time is that growers claim that they brought in all their goods on Thursday last and that the immense output of Friday was the result of one day's cutting. If so, it looks much like a miracle to this end of the business; but if goods were kept back, or "salted," as the expression is, there was method in it, because of the fearfully low prices offered just previous to the cyclone.

There seems to be absolutely no news worth chronicling just at present, but there is a fine thought in one of E. N. Pierce's stories of the little girl who was told not to pick any more flowers in the park near his greenhouses. She asked to be directed to the nearest place where some of "God's flowers" grew, because she could always gather all she wanted of those.

J. S. MANTER.

PHILADELPHIA.

Decoration Day.

The general impression among the wholesalers is that the volume of business was very large—larger with many of them than ever before. Carnations were used in enormous quantities. The sales of this flower far exceeded those of any other. Prices were fair, advancing slightly on good stock, but much of the stock is far from what it was before the hot weather of last month. The demand was for medium grade flowers, choice Beauties and valley not being as eagerly sought as is usual on floral holidays. Peonies were great sellers at good prices; so were daisies. Other flowers sold moderately well, but all were eclipsed by the carnation. Some idea of the enormous quantities of this flower that were sold can be formed from the fact that one dealer alone, Edward Reid, shipped over 82,000 out of town in two days.

The plant business was very heavy, probably ahead of past years. It was limited by the ability of the plants themselves to bear flowers for the occasion. The late Easter, the constant picking over and possibly a little neglect in the rush of work, are causes that have combined to leave rather an undersized lot of plants in most places. Scarlet geraniums are particularly scarce. The wholesale growers do not find small plants, usually flowered in 2-inch and 3-inch pots, such as thunbergias, lobelias, phlox, single petunias and many others, profitable at prevailing prices. During the past few years a good many have dropped them. There is now a good demand for such stuff at fair prices for those who retail their product.

The Market.

There is much activity in business circles this week. The weddings and commencements are here, bringing with them a lively demand for fine flowers that keeps us all on the alert. S. S. Pennock sold over 1,000 fancy Beauties on Monday. Leo Niessen had some fine shipping orders for Beauties and lilies of the valley on Tuesday and Wednesday. Carnations were quite scarce at the beginning of the week. Sweet peas are in brisk demand. The outdoor blooms are more plentiful. They have brighter colors and more substance than those grown under glass.

A Holiday.

Samuel C. Moon, of Morrisville, Bucks County, has invited the Florists' Club to visit his nurseries on Wednesday, June 17. The club has accepted the invitation and proposes to leave Chestnut street wharf on the steamer Riverside at 8 o'clock on the day mentioned. Tickets for members cost \$1; for ladies and children, 50 cents, and each member has the privilege of obtaining tickets for friends at the same prices. It is earnestly hoped that a large number of the members and their friends will avail themselves of Mr. Moon's invitation.

Notes.

Walter Whetstone addressed the Florists' Club on the subject of "Greenhouse Pipe and Air Valves" on Tuesday evening.

Samuel S. Pennock states that Decoration day business with him was larger than ever before.

Henry F. Michell is preparing a paper on the increase in the bulb business, to be read before the convention of the seedsmen at the end of June.

Leo Niessen handled a large number of peonies last week. He found that Decoration day business gave him all he could do to fill his orders.

Edward Reid is handling some superb Crocker, Hill and Joost.

Last month was unusually free from rose troubles. The dry, warm weather was unfavorable for mildew and spot.

Eugene Bernheimer has made a specialty of hardy ferns, which he handles in quantity.

The exhibition of outdoor roses held by the Pennsylvania Horticultural Society this week came curiously enough at the fag end of the blooming season, very many of the plants having produced their best blooms before June, which could not have been foreseen by the schedule makers.

Fred J. Michell, in speaking of the growth of the bulb planting in this country, said that when he entered his firm over ten years ago they imported 130,000 bulbs annually all told. Now they import 1,500,000 tulips alone and considerably over 100,000 Dutch hyacinths. One private customer in New York plants 100,000 varieties of daffodils alone. Another, J. W. Paul, Jr., plants 60,000 daffodils on his place at Radnor.

PHIL.

ST. LOUIS.

The Market.

Decoration day found the market surprisingly short of choice stock. There was plenty of common outdoor stuff handled by the market gardeners, and considerable of this cheap stock was disposed of. The demand for bouquets, designs and cut flowers was good—much better than ever before on this day. The trade was much surprised to find stock scarce and prices up on almost everything, supplies having been secured at the buyer's own price for the last month. About the only cheap flower was the cape jasmine, which was plentiful. Shipping orders were also much greater than ever before. Friday found everybody busy packing, both wholesaler and retailer alike.

We have had very cool nights of late and some of the roses, especially Brides and Maids, are full of mildew. In many cases you find fine blooms with mil-

dewed leaves, which hurts the sale of them very much.

The "cemetery florists," those across the way from the cemeteries, did a big business in cut flowers and plants. Koenig and Meinhardt had all they could do and they have scarcely anything left for bedding use. The smaller ones in that locality are in the same way.

Some of our florists have booked orders for a number of June weddings, which will keep them busy the next two weeks. Several of these weddings, I hear, will be very elaborate affairs and should use up large quantities of choice stock.

Beauties are still in good demand, but extra fine stock is not coming in now. They are small and somewhat off color. Brides, Maids, Meteors, Carnots and Gates are somewhat limited in quantity at present and have also advanced a little in price. Carnations are still fine. They, too, became scarce just when they were needed the most. Prices also advanced on these to \$2 and \$3 per 100. A week ago it was "take your pick at a cent," but to-day you must take what you can get at double the price. Sweet peas sold well at 75 cents per 100. They are fine and quite plentiful. On Friday and Saturday the commission men sold out clean on these. Peonies are about over and only a few came in for Decoration day sales. Cape jasmine was offered by the commission men on Third street at 50 and 60 cents per case. These were used a great deal in funeral work. Plenty of fine smilax is in now, but ferns are very scarce in this market.

Notes.

J. F. Ammann and family, of Edwardsville, spent a very pleasant Sunday afternoon in St. Louis calling on friends. Fred reports that trade this spring has been very good with him in both cut flowers and plants. He has recovered his health, and says that he will be at the next club meeting without fail.

Mrs. Miller and Miss Miller, wife and daughter of Theo. Miller, on Euclid and Delmar avenues, will leave Tuesday for New York, whence they take a steamer for a summer trip to Europe. This trip is for the benefit of Miss Miller's health, which has been impaired for some time.

The National Saengerfest, which will be held in our city, commencing June 18, should be of some benefit to our florists. Ed Buechel, of the Riessen Floral Co., has charge of the floral part of it.

Beyer Bros. last week decorated the German Savings Bank in a most beautiful manner, the occasion being the fiftieth anniversary of its business career. Thousands of red carnations were used in the cut flower work. The effect was much admired by all who saw it.

Club Meeting.

On next Thursday, June 11, at 2 o'clock, the meeting of the club will be held. President Dunford, who is himself again, would like to see a large attendance at this meeting, which will be a very important one. The final arrangements for the annual outing in July and for outdoor meetings will be made. Two essays will be read, one by J. F. Fillmore and the other by George Windler. S. A. F. matters will also be discussed and a transportation committee appointed. The growers having finished planting and the retailers and

commission men not being so busy, the largest meeting of the year is expected.

The following card will be used by some of the St. Louis boys at Milwaukee this summer:

Now, dear Sir and Brother, please don't laugh, But honor me with your picture and autograph. Are your S. A. F. features known? I'm from Missouri, and must be shown. Kindly favor me, exchange, and accept mine In the spirit of friendship and auld lang syne. Our brothers, whom you have all met before, Invite you to our city in nineteen four.

Eight members of the bowling club rolled three games on Monday night. None of the old timers who were requested to come were on hand, and the chances are that St. Louis will not be represented by a team in the convention bowling contest unless they show up on next Monday night. The scores of Monday night were as follows:

Player.	1st.	2d.	3d.	Total
Kuehn	169	157	141	461
Beneke	202	129	121	452
Young	180	130	141	451
Adels	127	133	179	439
F. C. Weber	133	123	153	409
Ellis	148	141	128	417
Miller	106	139	124	369
Fred Weber	105	123	123	228

J. J. B.

NEW YORK.

The Market.

The last week of May developed a chilly and gloomy spell of weather and the usual advance in volume of trade for Decoration day was far below the average. Apart from a fair shipping trade, the local output did not come at all near general expectation. Even the holidays share in the general depression. The driest two months ever known in the east may have had something to do with this. Hardly a drop of rain since March is the record. It is a blue outlook for the vegetable growers and the vegetarians.

Various Items.

The palm auction of David Clarke's Sons, at Elliott's, on Wednesday was largely attended and excellent prices were realized for the splendid stock disposed of.

Julius Roehrs leaves June 11 for his annual European tour. His importation of bay trees, phoenix and Cattleya Trianae is an immense one and shipments are being made all over the country.

The 250th anniversary of the city's birth last week was loyally celebrated, but the display, unfortunately, was confined almost exclusively to bunting, the florist being called upon to a very limited extent.

Building operations are in progress in all directions within fifty miles of New York, and the season, in this respect, promises to be one of the best in a decade.

Among June weddings that will interest florists generally will be that of the popular representative of the F. R. Pierson Company, of Tarrytown, John R. Fotheringham. The supply of bachelors at Asheville will be considerably thinned before the next convention.

Beaulieu, the pansy specialist, of Woodhaven, met with a severe accident a few days ago, his hand being badly burned, but the pansies, dahlias and onions still continue business at the old stand.

June 1 found the Coogan building inaugurating a new and very commendable early closing movement—3 p. m. daily. It is to be regretted that these hours cannot be made possible of uni-

versal adoption by the wholesale trade until September 1.

The only son of Mr. and Mrs. Holmes, of Madison, N. J., died last week at the age of 19, of typhoid fever. Mr. Holmes is an extensive rose grower, and has the sincere sympathy of his brethren in his severe affliction.

The shipments of peonies are already enormous. Good stock, named varieties, is coming in from The Cottage Gardens, A. N. Pierson, of Cromwell, and Valentine Zuber, of Flatbush. The best has commanded as high as \$8 per 100, although average stock can be had in quantities at from \$2 to \$3.

F. D. Spicer, of Riedel & Co., shows evidence of the approach of summer, if not of June wedding considerations.

Dunne & Co. are very busy with rustic work at present and have an abundance of orders booked for June.

Siebrecht & Son have begun the work of removal at Thirty-seventh street, their greenhouses having already been taken away. Fortunately their Arcade store will be ample accommodation for the dull season. They had the Anson Stokes wedding at Noroton, Conn., last week, one of the largest of the year, and had charge of the decoration of Madison Square Garden on Sunday night for Duss's great festival, "Venice in America."

The Florists' Club will hold its last meeting until September on Monday evening next. It will be peony night and a fine exhibit is anticipated. The meeting will be one of especial importance, as final arrangements will be made both as to the club's outing, July 1, and the trip of the New York contingent to the convention at Milwaukee.

J. AUSTIN SHAW.

CINCINNATI.

The Market.

As was expected, stock of all kinds was scarce for Decoration day. The extremely hot weather of the past few weeks had opened most of the buds in sight, so the stock left was not only poor in quality but soft and in some cases almost unsalable. Notwithstanding this, a tremendous business was done and great quantities of the outdoor and cheap flowers were disposed of. Peonies were in good demand and a large number of them that had been placed in cold storage were in fine shape and sold at good figures. Roses sold very well, but owing to the very poor quality the price was not very high. The supply of American Beauties was large and all sold. Some extra fine stocks in white, purple and pink sold well. They were grown by George Bayer, of Toledo, E. G. Gillett handling the stock.

At the present time flowers of all kinds are about as scarce as we ever saw them, and, as might be expected, there is a big demand. Prices are rapidly moving upward for stock that is in any way near good, and the top has not been reached yet. Beauties are especially in demand and not half enough are coming in. In quality Golden Gate and Ivory are far ahead of Bride and Maid. Meteor and Liberty are fair but the majority of them are short stemmed. If possible, carnations are more scarce than roses, and the quality is not much better. Some varieties are holding up well, especially Genevieve Lord, Flora Hill, Dorothy and even

Scott, which is now being discarded by most growers. Lawsons are about finished, as they cannot stand the sun. Red carnations also are about out of the market for the same reason. Estelle seems to be holding out best of all. Rain has made havoc with the sweet peas.

During the past week there were several severe storms, including wind and some hail. At times it looked as if there would be considerable damage. Very little glass was broken, but considerable was cracked.

Visitor: Victor Thomas, of Augusta, Ky.
C. J. OHMER.

BUFFALO.

Decoration Day.

A couple of showers have refreshed the thirsty earth, slightly but not enough. What a pity we can't share with stricken Kansas. If things were arranged to suit insignificant man, it would be so; but we must take it "has it comes and be 'appy," and be thankful that Lake Erie does not overflow with a 20-foot tidal wave.

Decoration day seems to lose none of its patriotic observance. More and more is it a national holiday, and we have the Spanish war veterans to take the place of the many real veterans who have gone before. The corner stone of an immense new armory was laid, at which 30,000 attended; 21,000 went to see Toronto and Buffalo play ball in the afternoon; thousands more attended the exercises of the G. A. R. in the cemetery and park meadow, and yet there were thousands left to wander through the cemeteries and place a bouquet or plant on the grave of their departed dear ones.

From what I hear, the demand for flowers of all qualities was never surpassed, and the supply was none too plentiful. Outside valley, lilacs and snowballs were about gone, and our home-grown peonies were not in, so indoor flowers had largely to supply the demands. Many plants for cemetery use were sold. Our fashionable Country Club held a horse show, and half a dozen little parties were giving breakfasts, luncheons and dinners to the guests. With all this, the hundreds of vases promised for Decoration day and some large flower gardening jobs that "Oh, yes, I must have them filled by Decoration day," kept the bosses thinking and many a workman on the jump. If "a change is as good as a rest," as some fellow once said, we had plenty of it.

The hot and sunny month of May has told on the tea roses and they are getting near that midsummer quality when you must look for beauty of form and color and not observe size. There has been a good lot of long Beauties cut at Corfu the past two weeks, which has helped out. Carnations also are getting tired, but with plenty of shade and lots of water they must be kept going until the end of the month, for they are no drug, as they often have been in May and June. Kaiserin, Carnot and Cochet roses are fine now. They are the stuff for summer. White Cochet is a beauty, but not as invaluable as the pink variety because we have the glorious Kaiserin.

Various Notes.

I was around at the North Park greenhouses a few days ago. Superin-

tendent Braik never begins to plant out until the first week in June and the stock was untouched. Never did I see 80,000 bedding plants in more perfect order or of greater excellence. It would make a thousand market peddlers water at the mouth. No more economical use of the houses and frames could possibly be made. In many parts of the municipal governments of all our cities loafing and extravagance is the order of the day. "It's the people's money, what matters?" Ward heelers and semi-bums fill the offices, so it is refreshing to see one part of our city government, even if it is only an ornamental part, run with careful economy and ability. And if all public utilities could be run on the same principles there could not be a breath of opposition to every city's owning and running all its natural monopolies.

The idea of Mr. Bison in a contemporary saying that "Scott, Anderson or Palmer may steal away to see a game of ball, while ostensibly looking up a job." I know the habits and tastes of those hard working men very well and it is a slander. Nothing would induce Mr. Palmer to leave his store but a meeting of the Society of Natural Sciences. As the races at Fort Erie are not on, nor yet a national convention of Sunday school teachers, Mr. Anderson would stick closely to his desk. And as for the other man, he has within a week planted 11,000 young shrubs, 20,000 carnations, disbudded an acre of peonies, pruned another acre of large shrubs and done many other chores, mostly all with his own hands, mouth and pen. W. S.

INDIANAPOLIS, IND.

Decoration Day.

This has been a great Decoration day for some and a rather poor one for others. All the wholesalers and the storemen did a big business, but those at the cemeteries did not get the big rush they usually have on this day. A gloomy day, with heavy showers and a heavy drop in temperature, kept the people at home, hoping for a fine day on Sunday, which, however, was not much better, and many a grave went undecorated this Memorial day.

There were plenty of flowers to be had in most lines. In spite of the pranks of the weather man, the peonies were just right and great quantities were sold. Of other outdoor flowers there was also a good supply. Roses are badly mildewed and the hot weather early in May knocked the size and general quality out of them. Of carnations there were thousands ten days ago, but by the middle of last week there were not many first-class ones. Baur & Smith's Ethel Crocker are still up to winter quality and sell readily.

All the plantsmen are well satisfied with the season's business, all reporting a heavy call for bedding stock, with prices fully up to the usual mark. There has been a decided scarcity of geraniums, as the first rush took out all those in bloom and the cloudy weather of the last two weeks kept the buds from opening. Consequently there is much bedding to be done yet.

Notes.

Baur & Smith had the finest lot of sweet peas ever seen in this city. The variety is a selection of their own from

Blanche Ferry stock, and it beats them all.

John Hartje has a white carnation that is grand, and when it is to be had no others need apply.

To see fine peonies you should visit Mr. Hasselman. He has varieties by the hundred, and many of them are grand.

E. A. Nelson reports a great bedding season, having had to buy large quantities of geraniums.

The Smith & Young Co. has a house of Carnot and La France that is bringing in good returns. It was rested during early winter and started up in time for a crop for Easter. Their violets were grand and profitable and now they have several beds planted to sweet peas.

On May 27 we had quite a little fright from hail. The hail stones were of good size, but not numerous enough to smash much glass, and no serious damage is reported. A. B.

MILWAUKEE.

The Market.

Decoration day business surpasses almost any of the other holidays during the year when it comes to consumption of stock. While prices do not soar as high as at Easter or Christmas, still the average returns are fully as good, for culls and ordinary stock bring a price and would be practically worthless at other times. Locally the demand was not very heavy, but the shipping business was beyond precedent. There was little, if anything, left for last-minute orders. The cold weather somewhat curtailed the supply and affected outdoor stock mostly. Carnations sold at \$2 to \$3 per 100, with some choice stock going a notch higher. Roses went at from \$2 to \$6 per 100, according to grade. Peonies brought from 75 cents to \$1 per dozen. Longiflorum lilies brought \$1 to \$1.50 per dozen. Valley, which was plentiful, went at \$1 to \$1.50 per 100. Cape jasmynes were scarce and some which came on the market almost too late were cleared up at \$2 per 100. There was plenty of lilac, snowballs and sweet peas to go around. Good common ferns were scarce, fancy going at 40 cents and dagger at 30 cents per 100.

Cold and continued wet weather is delaying outdoor planting. The sale of bedding stock is fully up to previous seasons, with an increased call for dark red geraniums of the S. A. Nutt type. Heavy rains and high wind have somewhat damaged carnation plants in the field in some localities around here.

INCOG.

TEXAS will find his query with regard to palm foliage answered in the issue of April 23, page 914.

DES MOINES, IA.—The Iowa Seed Company has begun work on a range of fourteen new plant houses. Sixteen were built last year.

GALENA, ILL.—Ben Vandervate has been doing a thriving business in bedding plants, visiting many nearby towns to do planting.

CHICOPEE FALLS, MASS.—Decoration day trade was heavy, and here, as elsewhere, the call for carnations exceeded the supply. Stock shipped in went to sleep on the way.

SECAUCUS, N. J.—Otto Grundmann is adding a house 24x150. S. Jacobs & Sons furnished the material for the entire plant, now approximating 20,000 square feet of glass.

WRITE, WITH OR PHONE US FOR ALL STOCK FOR

JUNE WEDDINGS and Commencements.

CHOICE VALLEY; PEONIES, fine stock, all colors.

SMILAX \$1.50 per doz. Good stock for all orders.

ASPARAGUS 50c per string. Long, heavy strings.

All other stock in quantity and of good quality.

E. C. AMLING,

The Largest, Best Equipped and Most Centrally Located
Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St.,

Long Distance Telephones 1900 and 1977 Central.

Chicago, Ill.

WANT ADVERTISEMENTS.

WANTED—Two good men for general greenhouse work; two helpers in rose section. J. F. Wilcox, Council Bluffs, Iowa.

WANTED—An assistant florist who understands his business and is a sober and willing worker. Converse Greenhouses, Webster, Mass.

WANTED—Two active young men who are interested enough in their work to want to learn rose growing for a business. Write Geo. A. Kuhl, Pekin, Ill.

WANTED—A small second hand boiler for heating one greenhouse. 45x17 feet. Must be in good condition and price reasonable. Address J. T. Winne, Lehi City, Utah.

WANTED—First-class rose, carnation and chrysanthemum grower; also good in design work; must be sober and honest and a good salesman; steady place for right man; single man wanted; state wages expected with board and room. J. W. Rentz & Son, 335 West 2nd St., Peru, Ind.

SITUATION WANTED—By a young man, age 20; 3 years' experience in general greenhouse stock; references. Address 112, care Florists' Review, Chicago.

SITUATION WANTED—As general greenhouse man by August 1st, or will take charge of place in live town with or without intention of becoming partner. Address 110, care Florists' Review, Chicago.

FOR SALE—Cheap, two hot water boilers. For particulars, address Gloede, Evanston, Ill.

FOR SALE—Florist establishment in a rapidly growing town; very cheap; ill health reason for selling. Address 111, care Florists' Review, Chicago.

FOR SALE—Greenhouses, with well established business, and 20 acres of good land. Am getting old and wish to retire. M. Klasner, Alton, Ill.

FOR SALE—Some extra good second-hand 3-in. pipe at 6c per foot; also some 4-in., guaranteed sound. W. H. Salter, Rochester, N. Y.

WANTED—Two young men, A-1 assistants. Pittsburgh Rose & Carnation Co., Crystal Farm, Valencia P. O., Pa.

WANTED—Experienced rose grower; married man preferred. S. J. Reuter, Westerly, R. I.

WANTED—Good all-round man as assistant. Wages, \$20.00 a month with board and room. Increase if worth it. C. W. Keller, Woodmere, Mich.

WANTED—Two or three men for carnations and roses. Bassett & Washburn, Hinesdale, Ill.

FOR SALE—New greenhouse material as follows: New 2-in. black pipe, long lengths, 10 cts. per ft.; 6x8, 50 ft. boxes, American glass, single, \$2.25 per box; 6x8, 50 ft. boxes, American glass, double, \$3.70 box; 6x8, 100 ft. boxes, French glass, single, \$4.00 box; 12x14, 16x18, 14x14, 50 ft. boxes, American glass, double, \$3.00 box; 12x12, 10x14, 50 ft. boxes, American glass, single, \$2.40 box. Clear gulf cypress greenhouse material, and everything for building. Send for prices. S. Jacobs & Sons, 1365 to 1475 Flushing Ave., Brooklyn, N. Y.

SITUATION WANTED—By a single man, 12 years' experience in private and commercial places; good references. Address No. 108, care Florists' Review, Chicago.

SITUATION WANTED—By a middle-aged, single man; life experience in cut flowers and pot plants; near Chicago preferred. Address No. 106, care Florists' Review, Chicago.

WANTED—A good florist to buy part interest in a good paying florist business and take charge of greenhouses. Address J. D., 12 Reymann street, Wheeling, W. Va.

Help Wanted

EXPERIENCED
ROSE AND CARNATION
GROWERS.

Permanent positions and good pay for the right men. Married men preferred.

Box 124, Colorado Springs, Colo.

FOR SALE OR RENT.

MODERN GREENHOUSE PLANT

Of 20,000 square feet of glass; potting shed between houses. 20x80 feet; glass 10x15 and 16x24 inches; heated by steam from return tubular boiler. All in good order.

SAMUEL J. BUNTING, Elmwood Ave. and 58th St., PHILADELPHIA, PA.

A BARGAIN. Big Greenhouse Plant

Owing to other large business interests Brant & Noe, Forest Glen, Chicago, offer their large Greenhouse establishment for sale. Have 12½ acres of land with a quarter mile frontage on West Peterson Avenue. Greenhouses cover three acres, part of them iron frame, built during last three years; hot water is the general system of heating, with steam in every house; reserve boilers in each of the three adjoining ranges. One large steam-heated residence, two dwellings, big barn, stables, wagon house, ice house, two storage buildings, nearly 300 feet of sheds, 20 to 30 feet wide. Local sewer to north branch of Chicago river, upon the bank of which the property is beautifully located. Between two lines of railways, the depot of one on our street, the other station near; electric cars in vicinity. Plenty of sod on this land; piles of sod and manure put up last year, sufficient to fill houses. Fine stock of young roses and carnations for replanting houses now under way. The plant is fully equipped. The improvements have cost over sixty thousand dollars (\$60,000.00). Beginning within 300 feet of this property, 140 lots have been sold at \$25.00 to \$400 per lot. This land will cut into 125 lots and always increase in value. Title is guaranteed by Chicago Title and Trust Co. The investment is both safe and inviting, for the land stripped of all its valuable improvements will soon be worth what the whole can now be bought for. Will sell at a big bargain and make terms easy. Might consider a partner, if right one. Good and sufficient reasons for selling.

BRANT & NOE, West Peterson and North 48th Aves., CHICAGO, ILL.

AMERICAN BEAUTY,

Per doz.

30-36-inch stem.....	\$3.00
24-inch stem.....	2.00
20-inch stem.....	1.25
15-inch stem.....	1.00
12-inch stem.....	.75
Short stem.....	\$4.00 to \$5.00 per 100

Per 100

Brides and Maids.....	\$3.00 to \$6.00
Meteors and Gates.....	3.00 to 6.00
Kaiserins.....	3.00 to 8.00

Carnations.....	1.50
large and fancies.....	2.00 to 3.00

Mignonette, doz., 25c to 35c.....	
Callas.....	\$1.00 to \$1.25

Sweet Peas.....	.75 to 1.00
Valley.....	4.00

Peonies.....	4.00 to 6.00
Marguerites.....	.50 to .75

Asparagus... per string, 50c.....	
Asparagus Sprengeri.....	2.00 to 5.00

Ferns... per 1000, \$3.00.....	.30
Galax... 1.25.....	.15

Adiantum.....	1.00
Smilax..... per doz., \$1.50.....	

Subject to change without notice.

Expert Growers Wanted.

FOREMAN—Age about 35, married and experienced in growing general stock for retail store, accustomed to handling men, disbursing funds, and capable of undertaking general management of 40,000 feet of glass. An American preferred.

WAGES—\$15.00 per week and house.

ROSE GROWER—Experienced in handling grafted stock and capable of taking charge of rose section. A married man preferred.

WAGES—\$10.00 per week and house.

CARNATION GROWER—A man to grow carnations, chrysanthemums and do general work about greenhouses. Married man preferred.

WAGES—\$9.00 per week and rooms.

These positions will be open until June 15, and the men engaged will be required to report on July 1. Reference as to ability and character will be required from all applicants.

The lease on the Rosebank greenhouses expires July 1, and this company will, on that date take over the plant and operate it in conjunction with its city store. The plant consists of 16 houses in good condition, about an hour's trip from the center of the city; the houses are built in tiers on a southern hillside, and have long been famous for the excellent stock there produced.

Address, giving fullest particulars as to knowledge, experience, former employers, size of family and other details.

THE ROSEBANK COMPANY, Cincinnati, Ohio.

Special Notice!

5 per cent discount on following goods ordered before June 1st:

One Garlic Hot Water Heater, 900 ft. radiation.....	\$53.00
One Sandow Hot Water Heater, small.....	27.00
One Perfect Hot Water Heater, 7 sections.....	75.00
One Sunray No. 9 Hot Water Heater, 8 sec.....	115.00
One Spence Hot Water Heater, 7 sections.....	73.00
One Ideal Portable Steam Heater, No. 303.....	73.00
One Cambridge Steam Heater, 6 sections.....	78.00
One Hitchings Hot Water Heater, No. 16.....	55.00
One Ericsson Pumping Engine, No. 8.....	80.00
One Ericsson Pumping Engine, No. 6.....	55.00
One Rider Pumping Engine, No. 6.....	110.00

All guaranteed to be in good working order. Boilers taken in exchange.

New 2-inch Pipe, 10c per foot net.	
Second-hand 2-inch Pipe, 8c per foot.	
Second-hand 1½-inch Pipe, 5½c per foot.	
Second-hand 1¼-inch Pipe, 4½c per foot.	
Second-hand 1-inch Pipe, 3½c per foot.	
Second-hand ¾-inch Pipe, 3c per foot.	

3,000 ft. job lot new ¾-inch hose, \$5.00 per 100 feet, not guaranteed.

New ¾-inch hose, guaranteed one year for 150 lbs. pressure, 7½c per foot.

Write for prices on all kinds of tools and lumber.

MANHATTAN SUPPLY CO.

440-442 11th Avenue, NEW YORK.

SAMUEL S. PENNOCK,

**Valley, Gardenias and Orchids
for June Weddings.**

**Wholesale Florist,
1612 Ludlow St., PHILADELPHIA.**

CLEVELAND.

The plant men have been very busy and report the demand far ahead of last year. Some of them are buying stock to fill orders, being all sold out in some lines. W. A. Calhoun, 3226 Euclid avenue, East Cleveland, says that business has increased over 100 per cent with him in the past six months, and thinks the increase due to his having built a show house and store in front of his place and extending some 75 feet to the sidewalk. The store has two nice, large show windows, is lighted by electric lights and contains a large ice box for cut flowers. Mr. Calhoun is growing one house of roses, two of carnations and the balance of the place devoted to pot plants.

Ferd Neubert, of Collinwood, is sending in some very nice sweet peas to the F. R. Williams Co. Mr. Neubert also grows some very good carnations, and reports the young plants in the field as doing nicely.

Wm. Stade, head gardener for L. E. Holden, intends building three houses this summer, one each for roses, carnations and mums. Mr. Stade has a large place to look after, but always manages to have it looking fine.

Smith & Feters have been showing a large vase, nearly filling the window. It is an elegant piece, and was purchased by Mr. Smith while on a recent visit to New York.

KEARNEY, NEB.—H. C. Green has moved his greenhouses to a new location near the Union Pacific depot and is doing every day a better business. He is doing a large trade in vegetable plants.

**We are the Moon Vine Growers of the Land.
A. W. SMITH'S MOON VINES.**

(Ipomoea Noctiflora) now ready. The earliest moon vine grown, flowers being as large as a saucer, pure white and look like wax. Have a full supply of these much-in-demand vines. In 2½-in. pots, \$5.00 per 100; 3-in. pots, \$7.00 per 100; 4-in. pots, nicely staked, \$10.00 per 100.

SCARLET SAGE, 4-inch, \$6.00 per 100.

CANNAS, strong plants, best varieties, such as Poitevine, Bouvier, Columbia, Mme. Crozy, Florence Vaughan, Bismarck, etc., \$6.00 per 100.

GODFREY ASCHMANN,
1012 Ontario St., PHILADELPHIA.

Coleus, Verschaffeltii and Queen,
from 2½-inch pots, per 100 \$2.00

CANNAS from flats, well started, per 100 \$5.00

Silver-Leaved Geraniums

Silver-Leaved Nutt, from 3-inch pots, per 100, \$15.00. Mme. Languth, from 3-inch pots, per 100, \$10.00.

FRANK A. PIERSON,
CROMWELL, CONN.

GERANIUMS

To close out, 2½ and 3-in. pots.....\$3.00
Asparagus Sprengerii, fine plants 2.00
Asparagus Plumosus Nanus, July.... 2.50
Centaurea Gymnocarpa..... 2.00
Asparagus Plumosus Seed, \$7.00 per 1000.

CASH, PLEASE.

JOS. H. CUNNINGHAM, - - Delaware, Ohio.

Mention The Review when you write.

COLEUS

	Per 1000	Per 100
15 varieties, 2 and 2½-in. pots.	\$12.00	\$1.50
Smilax	10.00	1.00
Vinca Vines , var.....		2.00
Chinese Primrose , July.....		2.00
Obconica , alba and rosea.....		2.00
Forbesi		2.00

750,000 Forcing Roses, Mums and Stevia from Stock.

Printed price list mailed on inquiry, or see issues of Florists' Review for May 21 and 28 for list of varieties and prices.

Poehlmann Bros. Co., Morton Grove, Ill.

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WE OFFER SURPLUS STOCK

In Prime Condition. Write for prices.

1000 Oliver Ames, 4-inch pots.
 2000 Mme. Ousin, 3 and 4-inch pots.
 2000 Pierpont Morgan, 3 and 4-inch pots.
 1000 Sunset, 3 and 4-inch pots.
 1000 Perle des Jardins, 3 and 4-inch pots.
 2000 Meteor.
 3000 Bridesmaid, 3 and 4-inch pots.
 3000 Bon Silene.
 1000 Isabella Sprunt.
 500 Safrano.
 500 Sunrise.
 2000 8-inch Sprengerii, extra strong, \$8.00 per 100.

JOHN BREITMEYER'S SONS,
 Detroit and Mt. Clemens, Mich.
 Mention the Review when you write.

Roses.

1,000 AM. BEAUTIES, 3-in., fine, clean stock, \$7.00 per 100.

PERLES, 3-inch, 7c; 4-inch, 12c.

METEORS, 4-inch, 10c.

All A 1 Stock.

Pittsburgh Rose and Carnation Co.
 VALENCIA, PA.

Mention The Review when you write.

PERLES AND METEORS.

1000 Perles, 3-in., 4c.
 500 Meteors, strong, 3½-in. pots, 5c.
 2000 S. A. Nutt ger., extra strong, 2-in., \$3.00 per 100. 1000 Finest Double Pink bedder, Ger., extra strong, 2-in., \$3.00 per 100. 4000 S. A. Nutt, fine plants, 4-in. 1000 Finest Double Pink bedder, Ger., 4-in., \$8.00 per 100. 2000 Mme. Sallerol, 2c. Sample free. Plants are all exceptionally fine.
GESLER & DRURY, GALESBURG, ILL.

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YOU WILL FIND ALL THE BEST OFFERS ALL the time in the Review's Classified Ads.

ACALYPHA MACAFEEANA

\$3.50 per 100.

Strobilanthes Dyerianus

75 cts. per doz.; \$5.00 per 100.

Sanchezia Variegata

75 cts. per doz.; \$5.00 per 100.

ABUTILONS.

Souv. de Bonn, Eclipse, Mrs. John Laing, Santana and Golden Fleece, 2½-inch pots, \$2.50 per 100.

CHRYSANTHEMUMS.

Autumn Glory, Col. D. Appleton, Eureka, Glory of the Pacific, Mrs. Perrin, Mrs. O. P. Bassett, Mrs. Murdock, Wm. H. Lincoln, Bessie Burton and others, ready now, \$2.00 per 100. POMPON CHRYSANTHEMUMS, 50 varieties, \$2.00 per 100.

COLEUS.

Golden Bedder, Golden, Pink and Crimson Verschaffeltii, Annie Pfister, Massey and other varieties, \$2.00 per 100.

MISCELLANEOUS.

2½-in. pots, per 100
 Achyranthos, in variety..... \$2.00
 Cannas, named..... 2.00
 Cannas, 8-inch pots, good, strong stock, standard varieties, 60c per doz 4.00
 \$35.50 per 1000.
 Canna Robusta, extra large roots 2.00
 Fuchsias, in variety..... 2.50
 Hardy English Ivy, extra strong..... 2.00
 Lemon Verbena..... 2.50
 Lobelia, compacta..... 2.00
 Sedum variegata..... 2.00
 Swainsona Alba..... 2.00
 (Rooted Cuttings of Hardy English Ivy, 75c per 100; \$5.00 per 1000.)

Not less than 5 of any one variety sold. Send for trade list of full line of Greenhouse and Bedding Plants. Cash with order.

R. VINCENT, JR. & SON,
 WHITE MARSH, MD.

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ROSES.

Out of 2½-inch pots, thrifty plants.
 Brides and Bridesmaids, \$3.50 per 100; \$30 per 1000
 Golden Gates..... 2.50 per 100; 20 per 1000
WM. B. SANDS, Lake Roland, Baltimore, Md.
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LEO NIESSEN, PHILADELPHIA.

1217 Arch Street,
EVERYTHING IN CUT FLOWERS in quantity.

TUBEROSES

No. 1 75c per 100, \$5.50 per 1000. 4-6-inch and over.
DWARF EXCELSIOR DOUBLE PEARL. UNUSUAL VALUE.
No. 2 35c per 100, \$2.50 per 1000. 3-4-inch and over.

Gladiolus J. & S. SPECIAL MIXED 75c per 100; \$6.00 per 1000
A Clearance Sale of High Grade Bulbs regardless of their value.
JOHNSON & STOKES, 217 and 219 Market St. PHILADELPHIA, PA.
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ESTABLISHED 1802.

Thorburn's Seeds

for over a 100 years have been universally recognized as the standard of excellence.

Florists are invited to send for our prices on

Lilium Harrisii
and
Lilium Longiflorum

and all other BULBS. Also

....CYCAS REVOLUTA STEMS....

J. M. THORBURN & CO.

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Dreer's Aquatic Plants.

Hardy and Tender Nymphaeas,
NELUMBIUMS in variety.
VICTORIAS, etc.

We are headquarters for all kinds of Aquatic Plants. Now is the time to plant. Write us for information if you are uncertain as to what to plant or how to plant.

HENRY A. DREER
PHILADELPHIA, PA.

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Pandanus Veitchii.

Strong plants from 6-inch pots, 18 to 20 inches high above pots, \$12.00 a dozen.

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GERMANTOWN, - - - PHILADELPHIA, PA.
Upsal Station, Penn. R. R.

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Florists' Review

When Writing Advertisers.

Wholesale Cut Flower Prices.

Philadelphia, June 3.

	Per doz.
Beauties, Specials.....	\$ 2.00 to \$ 3.00
Extra.....	1.50
No. 1.....	1.00 to 1.25
Shorts.....	.50 to .75
Queen of Edgely, Specials.....	2.00 to 2.50
Firsts.....	1.00 to 1.50
Seconds.....	.50 to .75
Brides and Maids, Specials.....	\$4.00 to \$6.00
No. 2.....	2.00 to 3.00
Carnot, Firsts.....	6.00 to 10.00
Seconds.....	3.00 to 4.00
Golden Gates, Firsts.....	4.00 to 8.00
Seconds.....	2.00 to 3.00
Kaiserin, Firsts.....	6.00 to 10.00
Seconds.....	2.00 to 4.00
Liberty, Firsts.....	6.00 to 15.00
Seconds.....	2.00 to 4.00
Meteors, Firsts.....	4.00 to 8.00
Seconds.....	2.00 to 3.00
Perles, Firsts.....	3.00 to 5.00
Seconds.....	2.00 to 3.00
Sunrise, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Ivory, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Cattleyas.....	40.00 to 50.00
Carnations, Commons.....	.75 to 1.00
Fancies.....	1.50 to 2.00
Prosperity.....	3.00 to 4.00
Adiantum Cuneatum.....	.75 to 1.00
Asparagus plumosus, Strings.....	35.00 to 50.00
Sprays.....	1.50 to 2.00
Callas.....	8.00 to 10.00
Daisies, White.....	.50 to .75
Yellow.....	.50 to 1.00
Gladiol.....	6.00 to 8.00
Lily of the Valley.....	2.00 to 4.00
Peonies.....	4.00 to 6.00
Smilax.....	12.50 to 15.00
Stocks.....	4.00 to 6.00
Sweet Peas.....	.50 to .75

Last Call ON Dormant Cannas.

Bouvier, Henderson, Marquant, Burbank, \$1.00 per 100; \$8.00 per 1000.

Vaughan, Egandale, \$2.00 per 100.

Michigan Cut Flower Exchange,
Detroit, Mich.

Mention the Review when you write.

ORCHIDS..

We have the finest stock of Commercial Orchids on this continent, established or imported. Also all kinds of supplies for Orchids, such as baskets, peat and fine sphagnum.

Lager & Hurrell, Growers and Importers... Summit, N. J.

EDWARD REID,
WHOLESALE FLORIST.

Valley and Beauties

1526 Banstead St., PHILADELPHIA.

Store closes at 8 p. m.

Long Distance Telephone.

Mention The Review when you write.

Eugene Bernhelmer

WHOLESALE FLORIST.

Carnations and Roses

11 South 16th Street,

PHILADELPHIA, PA.

Mention The Review when you write.

WILLIAM J. BAKER,

WHOLESALE FLORIST,

**Carnations, Brides,
Valley and Smilax**

1432 South Penn Square, Philadelphia.

Mention The Review when you write.

PITTSBURG CUT FLOWER CO. Ltd.

WHOLESALE FLORISTS,

Pittsburg, Pa.

Mention The Review when you write.

FOR SOUTHERN WILD SMILAX

(Where Quality is First Consideration.)

Write, Wire or Phone the Introducers

Caldwell The Woodsman Co., Evergreen, Ala.
or their agents: L. J. Kreshover, New York; J. B. Deamud, Chicago; H. Bayersdorfer & Co., Philadelphia; W. F. Kasting, Buffalo; J. M. McCullough's Sons, Cincinnati, Ohio; H. G. Berning, St. Louis, Mo.

Mention The Review when you write.

A. HERRMANN,

MANUFACTURER OF FLORAL METAL DESIGNS,
IMPORTER AND DEALER IN FLORISTS' SUPPLIES,
Factory, 709 First Ave., bet. 40th and 41st Sts.
Office and Warerooms, 404, 406, 408, 410, 412 East 34th St., NEW YORK.

WRITE FOR NEW CATALOGUE.

JOSEPH HEACOCK,
WYNCOTE, PA.

Grower of

Areca Lutescens, *Kentia Belmoreana*
and *Kentia Forsteriana*.

Price List for the asking.

Mention the Review when you write.

ALBERT M. HERR
LANCASTER, PA.

**Carnations, Geraniums,
Smilax, Asparagus.**

Correspondence Solicited.

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Charles Millang, 50 W. 29th St. New York
Lilies and Violets "THE LILY KING." Reasonable Prices.
Palms and Ferns Square Dealing
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 Beauties, Meteors, Brides and Bridesmaids are the leaders.
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WHOLESALE COMMISSION,
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 Open every day at 6 a. m.
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WHOLESALE FLORIST,
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 Wholesale Commission Dealer in
CUT FLOWERS
 39 West 28th St., NEW YORK.
 (Established 1882)
 Receiving Extra Quality American Beauties and all other varieties of Roses.
 Telephone 902 Madison Square. Carnations.

GEO. SALTFOORD,
 Author of "HOW TO MAKE MONEY GROWING VIOLETS."
WHOLESALE FLORIST,
 46 West 29th Street, NEW YORK CITY.
 Telephone No. 3393 Madison Sq.
 CONSIGNMENTS OF ALL FIRST-CLASS FLOWERS SOLICITED.
VIOLETS our specialty.

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WHOLESALE FLORISTS,
 55 and 57 W. 26th St., NEW YORK.
 Cut Flower Exchange.
 OPEN ALL DAY!
 AN UNEQUALLED OUTLET FOR CONSIGNED FLOWERS.
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JAMES A. HAMMOND,
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 Consignments receive conscientious and prompt attention. Highest market price guaranteed.
 The finest stock in the market always on hand.

TREES, PLANTS, BULBS, &c.
 Our Illustrated and Descriptive Price List of FOREIGN and DOMESTIC Bulbs, Plants, Seeds, Shrubs, Fruit and Ornamental Trees, Grape-vines, etc., all for Spring planting, will be mailed FREE to all. Address, **NANZ & NEUNER,** Louisville, Ky.
 Mention the Review when you write.

Wholesale Cut Flower Prices.
 New York, June 3.

	Per 100
Beauties, Specials	\$ 8.00 to \$15.00
" Fancies	6.00 to 8.00
" Extra	4.00 to 5.00
" No. 1	2.00 to 3.00
" No. 2	1.00 to 2.00
Queen of Edgely	8.00 to 20.00
Brides and Maids, Specials	4.00 to 6.00
" Extra	2.00 to 3.00
" No. 1	1.00 to 2.00
" No. 2 .....	.50 to 1.00
Golden Gates	5.00 to 8.00
Liberty	4.00 to 6.00
Meteor	1.00 to 4.00
Mme. C. Testout	2.00 to 6.00
Mrs. Morgan	5.00 to 8.00
Perles	2.00 to 3.00
Sunrise	2.00 to 4.00
Cattleyas	25.00 to 30.00
Carnations, Common .....	.25 to .50
" Selects .....	.75 to 1.00
" Fancies	1.00 to 1.50
" Novelties	1.50 to 2.00
Adiantum cuneatum .....	.50 to .75
" Farleyense	5.00 to 10.00
" Croweanum	1.00
Asparagus plumosus, Strings	25.00 to 50.00
Plumosus Sprays, \$2.00 a doz., bunches.	
Sprenger Sprays, 2.00	
Sweet Peas, per 100 bunches, \$2-\$5	
Peonies	2.00 to 5.00
Harrisii Lilies	3.00 to 5.00
Callas	3.00 to 5.00
Valley	1.00 to 3.00
Smilax	6.00 to 12.00
Pansies .....	.50 to 1.00
Daisies .....	.50 to 1.00
Ferns, Common, per 1000, 75c.	
" Fancy, per 1000, \$1.50.	

The improvement anticipated as a consequence of the approach of Decoration day did not hold, and early this week values again fell to the depressed figures which ruled a week ago. Roses are again arriving in large quantities and peonies literally overflow the market. There is enough of everything and to spare. But June has always done its duty in the way of weddings and festivities and the usual average is confidently expected.

LIMA, OHIO.—Frank W. Lewis has bought the flower store of Mrs. E. E. Rogers.

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Pacific Florist Publishing Co.,
 229 Stevenson St., San Francisco, Cal.
 is the BEST ADVERTISING MEDIUM ON THE PACIFIC COAST. Subscription \$4.00 per year.

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 Special American Beauties,
 Surpassing Carnations,
 Lily of the Valley, Orchids
 and all seasonable flowers.
 51 W. 28th St., NEW YORK.
 Tel. 1906 Madison Sq.
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Young & Nugent
 42 West 28th Street
New York
 Send for Quotations
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RIEDEL & CO.,
Wholesale Florists,
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 Tel. No. 3039 Madison Sq.
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WHOLESALE FLORISTS.
 Daily Reports. Weekly Payments.
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 2034 Madison Sq. Manager.
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Beauties, Valley and Sweet Peas for JUNE WEDDINGS and COMMENCEMENTS.

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Consignments Solicited. Quick returns to Shippers. Highest Market Prices Guaranteed.
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26th St. and 6th Ave. **FLORIST.**

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Tel. No. 2230 Madison. **Consignments Solicited.**
Specialties, CARNATIONS and MIGNONETTE.

ASPARAGUS Plumosus Nanus

2-inch pots,
\$3.00 per 100; \$25.00 per 1000

Asparagus Sprengeri

2-inch pots,
\$3.00 per 100; \$25.00 per 1000

ISAAC H. MOSS, GOVANSTOWN, BALTIMORE, MD.

A FINE LOT OF

AMERICAN BEAUTY

Plants from 2½-in. pots,
ready for planting or shifting,
\$6.00 per 100.
\$50.00 per 1000.

EMIL BUETTNER

PARK RIDGE, ILL.

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Wholesale Cut Flower Prices.

Cincinnati, June 3.

	Per 100	\$25.00
Beauties, Specials		
" Extra	\$15.00 to	20.00
" No. 1	10.00 to	12.50
" Shorts	3.00 to	5.00
Brides and Maids, extra		5.00
" No. 1	4.00 to	5.00
" No. 2	2.00 to	3.00
Golden Gates	3.00 to	5.00
Liberty	3.00 to	10.00
Meteor	3.00 to	6.00
Perle	3.00 to	5.00
Carnations, Commons		1.00
" Selects	1.50 to	2.50
" Fancies	3.00 to	4.00
Adiantum Cuneatum .....	.75 to	1.50
Asparagus plumosus, Strings		50.00
Sprengeri, Sprays	2.00 to	3.00
Oallas	5.00 to	8.00
Daisies .....	.50 to	.75
Gladioli	2.00 to	4.00
Lilium Longiflorum	6.00 to	8.00
Lily of the Valley	3.00 to	4.00
Pansies .....	.50 to	.75
Peonies	2.00 to	5.00
Smilax	12.50 to	15.00
Stocks	2.00 to	4.00
Sweet Peas .....	.25 to	.75
Galax .....		.15
Leucothoe .....		.50
Common Ferns .....		.15

Milwaukee, June 3.

	Per 100	\$25.00
Beauties, Specials		
" Extras	\$18.00 to	20.00
" No. 1	12.50 to	15.00
" Shorts	4.00 to	8.00
Brides and Maids, Specials		6.00
" Extra		5.00
" No. 1		4.00
" No. 2		2.00
Golden Gates	4.00 to	6.00
Kaiserin	4.00 to	6.00
Liberty	4.00 to	8.00
Meteor	4.00 to	6.00
Perle	4.00 to	6.00
Carnations, Selects		2.00
Fancy	3.00 to	4.00
Asparagus plumosus, Strings		50.00
Sprengeri	2.00 to	4.00
Daisies50
Lily of the Valley		4.00
Smilax		20.00
Sweet Peas50
Galax20
Common Ferns40

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Own roots, in 2¼-inch pots, \$3.00 per 100.

Yellow Eaton Chrysanthemum

The finest Mum grown. In 2¼-inch pots
50c each, \$5.00 per doz.; \$30.00 per 100.

Full line of Chrysanthemum Plants. All the popular varieties.

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Asparagus Sprengeri.....

2-inch pots	\$2.00 per 100
2½-inch pots	2.50 "
3-inch pots	3.00 "
Asparagus Plumosus Nanus, last of June.	
1000 Eldorado E. C. transplanted, \$1.25	
per 100. Terms cash. We prepay express	
charges and guarantee satisfaction.	

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FRANK H. TRAENDLY. CHARLES SCHENCK.

TRAENDLY & SCHENCK, Wholesale Florists

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Wholesale Florists,

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Tel. 3660-3661 Main.

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GALAX Bronze or Green, \$1.00 per 1000;
75c per 1000 in 5000 lots.

Leucothoe Sprays; Bronze or Green, \$1 per 100.

Fancy Ferns, \$2.00 per 1000.

Green Sheet Moss, fresh stock, \$2.50 bbl. sack.

Sphagnum Moss, \$1.75 per bale.

Small Green Galax for Violets, \$1.00 per 1000

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(BASEMENT.)

Telephone 1239 Madison Sq.

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OUR SPECIALTIES.

CHAS. D. BALL,

GROWER OF **Palms, Etc.**

Send for
Price List.

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The finest white carnation to date. Awarded Certificate of Merit at Brooklyn, scoring 91 points, the highest number awarded to any seedling. It was recently also awarded First Prize and Medal over all other Whites at Cincinnati. Extra fine cuttings, for delivery early in April, \$2.50 per doz.; \$12.00 per 100; \$100.00 per 1000.

Enchantress, Mrs. Theodore Roosevelt, Harlowarden, Sibyl, Marshall Field, Pres. McKinley, White Bradt, Fragrance, \$2.50 per doz.; \$12.00 per 100; \$100.00 per 1000.

	Per doz.	Per 100	Per 1000
Adonis	\$3.00	\$14.00	\$120.00
Her Majesty	2.00	10.00	80.00
Lillian Pond	2.00	10.00	75.00
Innocence		6.00	50.00

Other leading new and standard varieties.

H. WEBER & SONS, - Oakland, Md.

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PROMPT COLLECTIONS
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Telephone 4673 John Street.

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WM. A. MOORE, Vice-Pres.

JNO. H. WALKER, Sec. and Treas.

Wholesale Cut Flower Prices.

Chicago, June 3.

	Per doz.
Beauties, 36 to 40-inch stems.....	\$3.00
" 30-inch stems.....	2.50
" 24 ".....	2.00
" 20 ".....	1.50
" 16 ".....	1.25
" 12 ".....	1.00
" Shorts.....	.75
Per 100.	
Bridesmaids, Specials.....	\$5.00 to \$6.00
Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Brides, Specials.....	5.00 to 6.00
Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Kaiserin.....	4.00 to 8.00
LaFrance.....	4.00 to 8.00
Perles, Firsts.....	5.00 to 6.00
Seconds.....	2.00 to 3.00
Liberty, Specials.....	8.00 to 15.00
Firsts.....	6.00 to 8.00
Seconds.....	4.00 to 5.00
Golden Gate, Firsts.....	5.00 to 6.00
Seconds.....	2.00 to 4.00
Meteor, Firsts.....	5.00 to 6.00
Seconds.....	2.00 to 4.00
Mme. Chatenay, Firsts.....	8.00 to 10.00
Seconds.....	4.00 to 6.00
Sunrise.....	4.00 to 7.00
Ivory, Firsts.....	5.00 to 6.00
Seconds.....	3.00 to 4.00
Carnations, Fancy.....	2.00 to 3.00
Commons.....	1.00 to 1.50
Gladiti.....	8.00 to 5.00
Valley.....	4.00
Harrisii Lilies.....	8.00 to 10.00
Callas.....	8.00 to 10.00
Peonies.....	4.00 to 8.00
Marguerite, Common.....	.25 to .35
Adiantum cuneatum.....	.50 to 1.50
Asparagus plumosus, Strings.....	50.00
Sprays.....	2.00 to 4.00
Asparagus Sprengeri, Sprays.....	2.00 to 8.00
Common ferns, per 1000, \$3.00.....	
Galax Leaves, Bronze, \$1.25 per 1000	
Green, \$1.00 to \$1.25 per 1000	

Baltimore, June 3.

	Per 100
Beauties No. 1.....	\$15.00 to \$18.00
Shorts.....	3.00 to 6.00
Brides and Maids, No. 1.....	3.00 to 4.00
No. 2.....	2.00 to 3.00
Golden Gate.....	3.00 to 5.00
Liberty.....	2.00 to 3.00
Perle.....	2.00 to 4.00
Carnations, Commons.....	.75 to 1.00
Selects.....	1.25 to 1.50
Asparagus Plumosus, Sprays.....	2.00
Sprengeri, Sprays.....	2.00
Callas.....	6.00 to 8.00
Lilium Harrisii.....	6.00 to 8.00
Peonies.....	3.00
Sweet Peas.....	.20 to .30

ONE thing in favor of the REVIEW is that it is not run in the interest of any one florist.—F. W. HECKENKAMP, JR., Quincy, Ill.

Now that Decoration Day is over you want to look after Roses and other Stock Plants.

Write **GEO. A. KUHL,**
PEKIN, ILL.,
For anything you want
in that line.

**Roses, Boston Ferns
and Plumosus**

OUR SPECIALTY.

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Poinsettia Stock!Strong plants, from bench.....\$3.00 per 100
pots..... 4.00

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134 to 144 Herndon St., CHICAGO.

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THE "OLD RELIABLE" FOR

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Hunt's Flowers Go Everywhere.

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76 Wabash Ave., CHICAGO, ILL.

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Greenhouses at Hinsdale, Ill.

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Write for special quotations on large orders.

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37-39 Randolph Street CHICAGO.

Roses and
Carnations
A Specialty.....

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GROWER OF**CUT FLOWERS****WIETOR BROS.**Wholesale
Growers of.. **Cut Flowers**All telegraph and telephone orders
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WEILAND-AND-RISCHCHICAGO'S RELIABLE WHOLESALE
GROWERS AND SHIPPERS OF...**CUT FLOWERS,**

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SEND FOR WEEKLY PRICE LIST.

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Telephone Central 3584.**SINNER BROS.**Wholesale Growers **CUT FLOWERS**
and Shippers of
58-60 WABASH AVE., CHICAGO, ILL.With the Flower Telephone—
Growers' Co. Central 3067.
All telephone and telegraph orders
given prompt attention.

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Grower of **Cut Flowers,**Special attention **FERNS.**
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Telephone Central 3284.

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WHOLESALE DEALER IN AND **CUT FLOWERS**.....GROWER OF
Two Daily Shipments from my greenhouses.
Fresh Stock always ready for orders.
Write, Wire or Phone. Quick Service Given.**Lily of the Valley.**From cold storage. Finest in the
market. \$14.00 per 1000; \$1.50 per 100.
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W. J. COWEE, BERLIN, N. Y.

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WHOLESALE FLORISTS AND CUT FLOWER COMMISSION.

Full line of FLORISTS' SUPPLIES and SUNDRIES.

Common Ferns\$1.50 per 1000.
Galax, Bronze or Green, 1.00 "

26 MIAMI AVENUE,

Detroit, Mich.

Headquarters for Michigan's Famous
MT. CLEMENS

VIOLETS.

Mention The Review when you write.

Wholesale Cut Flower Prices.

St. Louis, June 3.

	Per doz.	
Beauties, Specials.....	\$3.00 to \$4.00	
Extra.....	2.00 to 2.50	
No. 1.....	1.00 to 1.50	
Shorts.....	.50 to .75	
	Per 100	
Brides and Maids, Specials.....	\$6.00 to \$8.00	
Extra.....	4.00 to 5.00	
No. 1.....	2.00 to 3.00	
Carnot.....	4.00 to 6.00	
Golden Gates.....	4.00 to 6.00	
Kaiserin.....	4.00 to 6.00	
Liberty.....	5.00 to 6.00	
Mme. Chatenay.....	6.00 to 8.00	
Meteor.....	4.00 to 6.00	
Perle.....	3.00 to 4.00	
Sunrise.....	3.00 to 4.00	
Carnations, Commons.....	1.00 to 1.50	
Selects.....	2.00 to 2.50	
Fancies.....	3.00 to 3.50	
Adiantum Cuneatum.....	1.00 to 1.25	
Adiantum Farleyense.....	1.00 to 1.25	
Asparagus plumosus, Strings.....	35.00 to 50.00	
Sprays.....	1.00 to 1.50	
Sprengerl.....	1.00 to 1.50	
Callas.....	8.00 to 10.00	
Gladioli.....	3.00 to 4.00	
Lilium Harrisii.....	8.00 to 10.00	
Lily of the Valley.....	8.00 to 10.00	
Mignonette, Ordinary.....	2.00 to 3.00	
Fancy.....	4.00 to 5.00	
Pansies.....	.25 to .35	
Peonies.....	4.00 to 5.00	
Smilax.....	15.00 to 18.00	
Stocks.....	3.00 to 4.00	
Sweet Peas.....	.50 to .75	
Galax.....	.15	
Common Ferns.....	.20	

Boston, June 3.

	Per 100.	
Beauties, Specials.....	\$30.00	
Extra.....	\$15.00 to 20.00	
No. 1.....	8.00 to 12.00	
Shorts.....	4.00 to 6.00	
Brides and Bridesmaids, Specials.....	10.00	
Extra.....	6.00 to 8.00	
No. 1.....	5.00 to 6.00	
No. 2.....	3.00 to 4.00	
Golden Gate.....	4.00 to 8.00	
Brunners.....	4.00 to 10.00	
Liberty.....	4.00 to 12.00	
Meteor.....	4.00 to 8.00	
Mrs. Morgan.....	4.00 to 8.00	
Perle.....	4.00 to 8.00	
Carnations, Common.....	2.00 to 3.00	
Selects.....	4.00	
Fancies.....	5.00	
Adiantum Cuneatum.....	.50 to 1.00	
Asparagus plumosus, Strings.....	50.00	
Sprays.....	1.00 to 2.00	
Sprengerl, Sprays.....	2.00 to 4.00	
Callas.....	8.00 to 12.00	
Gladioli.....	12.00	
Lilium Longiflorum.....	12.00	
Lily of the Valley.....	2.00 to 5.00	
Mignonette, Ordinary.....	1.00 to 2.00	
Pansies.....	.35 to .50	
Smilax.....	20.00	
Sweet Peas.....	.50 to .75	
Galax.....	.15	
Common Ferns.....	.15	

Since Memorial day prices have kept up very well on good material, but there is a discount of 50 per cent from above prices on the poorer grades.

"OUR advs. in your paper this year have certainly been most satisfactory in results."—GRAND RAPIDS VIOLET Co., Grand Rapids, Mich.

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Cut Flowers and Florists' Supplies.

Manufacturers of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.
Mention The Review when you write.



H.G. Berning

WHOLESALE FLORIST,

1322 Pine Street,
ST. LOUIS, MO.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS.

MILWAUKEE, - WIS.

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Wm. Murphy,

Grower and Commission Dealer in.....

Cut Flowers and Florists' Supplies,

Telephone Main 980.

130 E. 3d Street, CINCINNATI, OHIO.
Mention The Review when you write.

Maplewood Cut Flower and Plant Co.

GEO. M. KELLOGG, Pres.

Growers of CUT FLOWERS at Wholesale.

Regular shipping orders given special attention. We have the largest plant west of Chicago.

Store: 906 Grand Ave., KANSAS CITY, MO.
Greenhouses: Pleasant Hill, Mo.

J. M. McCULLOUGH'S SONS

Wholesale

FLORISTS

ALSO SUCCESSORS TO

THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

316 Walnut St., CINCINNATI, OHIO.

Wholesale Cut Flower Prices.

Detroit, June 3.

	Per 100	
Beauties, Specials.....	\$25.00 to \$30.00	
Extra.....	20.00	
No. 1.....	15.00	
Shorts.....	\$5.00 to 10.00	
Brides and Maids, Specials.....	6.00	
Extra.....	5.00	
No. 1.....	4.00	
No. 2.....	3.00	
Cusin.....	8.00 to 5.00	
Golden Gates.....	4.00 to 6.00	
Kaiserin.....	4.00 to 8.00	
Meteors.....	4.00 to 6.00	
Perle.....	4.00 to 5.00	
Cattleyas.....	50.00	
Cypripediums.....	25.00	
Dendrobium Formosum.....	25.00	
Carnations, Common.....	1.00	
Selects.....	1.50 to 2.00	
Fancies.....	2.00 to 2.50	
Adiantum Cuneatum.....	1.00 to 1.50	
Asparagus Plumosus, Strings.....	40.00	
Sprengerl, Sprays.....	2.00 to 4.00	
Callas.....	10.00	
Daisies.....	.50 to .75	
Gladioli.....	5.00	
Lilium Harrisii.....	8.00 to 10.00	
Longiflorum.....	8.00 to 10.00	
Lily of the Valley.....	4.00 to 5.00	
Mignonette, Ordinary.....	2.00	
Fancy.....	3.00	
Peonies.....	4.00 to 6.00	
Smilax.....	15.00	
Stocks.....	1.50 to 2.00	
Sweet Peas.....	.35 to .75	
Galax.....	.10	
Leucothoe.....	.10	
Common Ferns.....	.20	

June opened good and promises to excell former years. Decoration day trade was above expectations and came just right to clean up all stock and relieve the glut which had prevailed for the ten days previous.

Buffalo, June 3.

	Per 100	
Beauties, Specials.....	\$20.00 to \$25.00	
Extra.....	12.00 to 15.00	
No. 1.....	8.00 to 10.00	
Shorts.....	2.00 to 4.00	
Brides and Maids, Extra.....	6.00 to 8.00	
No. 1.....	4.00 to 5.00	
No. 2.....	2.00 to 3.00	
Carnot.....	2.00 to 8.00	
Cusin.....	2.00 to 6.00	
Golden Gates.....	2.00 to 6.00	
Kaiserin.....	2.00 to 8.00	
Liberty.....	2.00 to 8.00	
Meteors.....	2.00 to 8.00	
Mrs. Morgan.....	2.00 to 6.00	
Perle.....	3.00 to 5.00	
Sunrise.....	2.00 to 4.00	
Carnations, Common.....	1.00	
Selects.....	1.25 to 2.00	
Fancies.....	2.50 to 3.00	
Novelties.....	4.00 to 5.00	
Adiantum Cuneatum.....	.50 to 1.00	
Asparagus plumosus, Strings.....	40.00 to 60.00	
Sprays.....	1.00 to 2.00	
Sprengerl.....	1.00 to 5.00	
Callas.....	8.00 to 10.00	
Gladioli.....	3.00 to 5.00	
Lilium Harrisii.....	10.00 to 12.50	
Longiflorum.....	10.00 to 15.00	
Lily of the Valley.....	3.00 to 5.00	
Smilax.....	12.50 to 15.00	
Sweet Peas.....	.40 to .75	
Water Lilies.....	.50 to 4.00	
Galax.....	.15	
Leucothoe.....	.50 to .75	
Common Ferns.....	.10 to .15	

Always mention the Florists' Review when writing advertisers.

FRANK M. ELLIS, Wholesale Florist, St. Louis, Mo.

1316 Pine Street,

PLENTY OF STOCK IN ALL FLOWERS IN SEASON.

A COMPLETE LINE OF FLORISTS' SUPPLIES.

Mention The Review when you write.

LEADING RETAIL FLORISTS.

The following retail florists are prepared to fill orders from other florists for local delivery on the usual basis. If you wish to be represented under this heading now is the time to place your order.

ALEXANDER McCONNELL, 546 Fifth Avenue,
Cor. 45th St., N.W.
New York City.

Telegraphic orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.
Cable Address: **ALEXCONNELL.** Telephone Calls: 340 and 341 38th Street.
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P. J. HAUSWIRTH,
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2139-2141 Broadway,
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New York City.

Out-of-town orders for delivery in New York carefully and promptly filled at reasonable prices.

M.A. Bowe

1294 BROADWAY,
In the heart of NEW YORK CITY.
TEL. 2270 38TH ST.
OUR MOTTO—"THE GOLDEN RULE."

HAVE YOUR RETAIL ORDERS

FILLED BY THE

GEO. WITTBOLD CO.,
1657-59 Buckingham Place, CHICAGO.

M. WEILAND,
602 Davis St., EVANSTON, ILL.

Suburb of Chicago.

Out-of-town orders of all kinds given careful and prompt attention.
Long distance phone, Evanston 56.

VASSAR COLLEGE.

Class Day, June 9th;
Commencement, June 10th.
These are both Flower days. Let

"SALT FORD"

Fill your orders as he does 75 per cent.
of the college work.

POUGHKEEPSIE, N. Y.

Shibeley The Florist,
311 SUTTER ST., SAN FRANCISCO, CAL.

Slevers & Boland,
25-27 Post Street, San Francisco, Cal.

Clarke Bros.
PORTLAND, ORE.

Siebrecht & Son,

409 5th Ave.

New York City,

Fill all orders for Florists
at current prices less the
usual discount. : : :

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1144 BROADWAY, NEW YORK.
Tel. No. 1327 Madison Sq. Cable address
"Rubbercoat."

Right in the center of the city.

Theatre and Steamship Orders instantly filled.
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1224 F Street, Northwest,
Washington, - D. C.

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EUCLID AVENUE, CLEVELAND, OHIO.

John Breitmeyer's Sons,

Cor. MIAMI and GRATIOT AVES.
DETROIT, MICH.

WM. SCOTT,

Main and Balcom Sts.

Buffalo, N. Y.

U. J. VIRGIN,
838 Canal Street, NEW ORLEANS, LA.

Fred H. Weber,
Boyle and Maryland Aves., St. Louis, Mo.

Orders for Philadelphia

WILL BE FILLED BY

Century Flower Shop,
112 South 12th Street.

H. H. BATTLES, Proprietor.

The Park Floral Co.

J. A. VALENTINE, Pres. DENVER, Colo.

Orders for Chicago and Vicinity

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A. LANGE,
Telephone Central 2522 51 Monroe St., CHICAGO.

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1220 Olive Street, ST. LOUIS, MO.

S. B. Stewart,
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Seattle Floral Co.
4th Ave. and Denny Way, Seattle, Wash.

F. WALKER & CO.
644 4th AVE., LOUISVILLE, KY.

Chapin Bros.
127 So. 13th Street, LINCOLN, NEB.

Mrs. Chas. Eickholt,
2319 AVENUE M, Galveston, Tex.

RETAIL FLORISTS.

(CONTINUED.)

Chas. A. Samuelson,
FLORIST,

2129 MICHIGAN
AVENUE,
Lexington Hotel,

CHICAGO.

Long Distance Phone South 1600-1601.

WILLIAM L. ROCK,
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ORDERS FOR

MARIETTA, O.,

Parkersburg and Clarksburg, W. Va.

WILL BE FILLED BY

J. W. DUDLEY & SON.

TELEGRAPH DUDLEY'S.

A. WIEGAND & SONS,
FLORISTS.

1610 to 1620
N. Illinois St., Indianapolis, Ind.

New Crop Native Ferns Now Ready.
Try sample lot at 50c per 1000.

Fine lot **Fancy Ferns** \$1.50 per 1000. **Galax**, bronze or green, 75c per 1000. **Moss**, 50c per bbl. sack. **Laurel Festooning**, No. 1 quality, fresh every day, 4c, 5c and 6c per yard. **Laurel Wreaths** and pine wreaths, just what you want for your Memorial Day trade. Order them now and your Ferns and you will be sure to get the best to be had when you want them and on time. **Ground Pine** by the lb. if wanted.

Long Distance Telephone connection.



MILLINGTON, MASS.

Tel. Office, New Salem.

DOUBLEFRINGED PETUNIAS

ANo. 1 assortment of money-makers, strong 2-inch, \$2.00 per 100.

Geraniums—Mixed, 2-inch, \$2.00 per 100.

Verbenas—2-inch, \$1.50 per 100.

Also Chrysanthemums, Pelargoniums, Star Petunias, Selaginellas, Salvias, etc.

E. I. RAWLINGS, Quakertown, Pa.

NURSERY NEWS.

AMERICAN ASSOCIATION OF NURSERYMEN.

Pres., Chas. A. Igenfritz, Monroe, Mich.; Vice-Pres., D. S. Lake, Shenandoah, Ia.; Sec'y, Geo. C. Seager, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-seventh annual convention will be held at Detroit June 10, 11 and 12, 1903.

C. G. MONZINGO, Nacogdoches, Tex., says he now has orders aggregating \$22,000 for fall delivery.

CRETE, NEB.—E. F. Stephens says the season at the Crete Nurseries was the best on record.

ALPHA, ILL.—W. M. Wirt, nurseryman, shot himself at Kewanee, Ill., May 20, while despondent.

THE F. W. Menerary & Son business at Crescent, Ia., has been put into a stock company with \$40,000 capital.

SAVANNAH, GA.—The postmaster is returning the mail of the Southern Pecan and Seed Company, marking it "Fraudulent."

THE big wholesale nurseries at North Topeka are heavy losers in the flood. The extent of the damage cannot be approximated as yet.

THERE will be a meeting of peony enthusiasts at the Cadillac Hotel, Detroit, June 11, at 7:30 p. m., during the nurserymen's convention.

VANCOUVER, B. C.—M. J. Henry has this season sold 60,000 fruit trees to farmers in British Columbia and an equal number have been sold by other local nurserymen, while 100,000 have been shipped in.

A RATE of one and one-third fares for the round trip on the certificate plan has been granted by the railroads for the annual meeting of the American Association of Nurserymen to be held in Detroit, June 10 to 12.

TRADE AND PROSPECTS.

F. H. Stannard & Co., Ottawa, Kan., report "the season's business has been very satisfactory. Good prices have been obtained for all kinds of stock, and little surplus left over, except in apple and peach. For these we think prices will be somewhat lower another season, but in a general way there will be a good demand for everything that will come onto the market this coming season."

The Charlton Nursery Co., Rochester, N. Y., says "business has been very satisfactory the past season. Prices for all kinds of stock remained firm until very late in the season, when apples took quite a drop, owing to the heavy surplus. As to what the outlook is for another season, it is a little early to state at the present time, although we expect to see sales as good, if not better than the past season. We are inclined to think that there will be quite a heavy shortage of plums, owing to so many one-year plums having been dug last season for immediate requirements. Apples we believe will meet the general requirements, with possibly a small surplus."

Greening Bros., Monroe, Mich., report "the results of the past season's business by far the most satisfactory of any year since the inception of the firm in

the year 1883. Our business is almost exclusively a retail one, but our nursery grounds cover over 700 acres. The capital stock of this company is \$100,000 and today, June 1, is our annual meeting and we are pleased to say that we are able to declare a dividend in clear profits the past season of a little over 50 per cent, which no doubt will give you some idea as to the volume of business transacted in the past season. Our losses are less than 1 per cent for the past year. We had practically no surplus left after the spring shipping season, the shipping season opening up about two weeks earlier than ever before, enabling us to complete delivery before April 20. We have a very large trade among commercial fruit growers in this state and shipped out during the first week in April 263,000 trees all packed in cars in bulk, not boxed, the different orders however, separated in the car and shipped to points where we had large deliveries. The Benton Harbor delivery consisted of about 75,000 trees alone. During the past season a very important change was made by Chas. E. Greening buying out the entire interest of his former partner, Geo. A. Greening, also of Walter H. Greening. At the present time 95 per cent of the stock is owned by Chas. E. Greening, 4½ per cent by Mrs. Chas. E. Greening and son, B. J. Greening. The balance of the stock is owned by R. M. Sperry and Frank Yentz, making five stockholders, just enough to make a board of directors."

W. & T. SMITH COMPANY,
GENEVA, N. Y.

Wholesale Growers of Ornamental Trees, Shrubs, Roses, Clematis, Fruit Trees, and Small Fruits in great variety.

Send for our Wholesale Price List.

Mention The Review when you write.

Send to **THE MOON** Company
For Your Trees, Shrubs, Vines, and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.,
Morrisville, Pa.

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send us Photos or clippings from other catalogues and let us reproduce them. We make the cuts for the Florists' Review.

DEARBORN ENGRAVING CO.,
300-306 Dearborn St., CHICAGO.

The Best Investment for Spring, 1903, is the

'Anna Foster' Fern

Plants from 3-inch pots at \$20 per 100. See Am. Florist, April 4th, page 386.

Boston Ferns—20,000 now ready at \$25.00 per 100; cut from bench. Orders booked for small Bostons, summer delivery, at \$5.00 per 100; \$40.00 per 1000.

100,000 Bedding Plants in Geraniums, Heliotropes, Ageratums, Vincas, German Ivy, Coleus, Alternantheras, Lemon Verbenas, Asters, etc.

Excellent Kentias, \$50, \$75, \$100 per 100.

Rubbers, red ribbed, 2 feet, \$6.00 per doz.

L. H. FOSTER, - Dorchester, Mass.

Mention The Review when you write.

How to pipe Gibbons' plans tell.

P. O. BOX 515, MIAMI, FLA.
Mention The Review when you write.

CLASSIFIED PLANT ADVERTISEMENTS.

Rate for advertisements under this head, 10 cents a line net, per insertion. New ads. and changes must reach us by Wednesday morning at latest to secure proper classification in issue of Thursday.

ABUTILONS.

Abutilons Souv. de Bonn, Eclipse, Mrs. John Laing, Santana, Golden Fleece, 2½-in., \$2.50 100.
R. Vincent, Jr., & Son, White Marsh, Md.
Abutilons, trailing var. and green, 3 and 4-in., extra large, fine, 6c.
Geo. M. Brinkerhoff, Springfield, Ill.
Abutilon Savitzil, 2-in., 50c doz., \$3.00 100.
O. Elsele, 11th and Jefferson Sts., Phila., Pa.
Abutilon Savitzil, large 4-in., 10c each.
Mayer & Son, Willow Street, Lanc. Co., Pa.

ACALYPHAS.

Acalypha marginata, fine bedder, 40c doz., \$2.50 100, \$20.00 1,000. 25 at 100 rate; 250 at 1000 rate. Good & Reese Co., Springfield, O.
Acalypha Macafeana, \$3.50 100.
R. Vincent, Jr., & Son, White Marsh, Md.

ACHILLEAS.

Achillea The Pearl, white fl., 2½-in. pots, 30c doz., \$1.50 100, \$10.00 1000; 25 at 100 rate, 250 at 1000 rate.
Good & Reese Co., Springfield, O.

ACHYRANTHES.

Achyranthes in variety, 50c 100; 2½-in., \$2.00 100. Cash. S. S. PECKHAM, Fairhaven, Mass.
Achyranthes, in variety, 2½-in., \$2.00 100.
R. Vincent, Jr., & Son, White Marsh, Md.

AGAVES.

Agave or variegated century plants, 12 or more leaves, from 9-in. pots, \$1.00 each; 10 or more leaves, 6-in. pots, 50c each; specimen plants over 3½ ft. high, 18 leaves—can be shipped by freight, including tub, \$5.00.
Mayer & Son, Willow Street, Lanc. Co., Pa.

Are you looking for someone who is looking for a bargain? You'll find him—by advertising that bargain in the Review's classified ads.

AGERATUMS.

Ageratums, 2½-inch, bushy, full of bloom; Princess Pauline, Stella Gurney, White Cap, \$2.00 100; 3-inch, \$3.00 100.
Krueger Bros., Toledo, O.

Ageratums Pauline, Gurney and Cope's Pet, R. C. 60c 100, \$5.00 1000; 2-in. pots, \$1.50 100. Cash.
Ernest Harris, Delanson, N. Y.

Ageratums P. P. and Stella Gurney, 2½-in., \$1.25 100, \$12.00 1000. Cash.
Buckley Plant Co., Springfield, Ill.

Ageratums, Gurney, Pauline and best white, 60c 100; prepaid. Cash.

Byer Bros., Chambersburg, Pa.

Ageratums Stella Gurney, P. P., white, R. C. 60c; 2-in., \$2.00 100.

L. Mosbaek, South Chicago, Ill.

Ageratums, 3 varieties, 3½-in. pots, \$2.50 100.
J. E. Felthousen, Schenectady, N. Y.

Ageratums, dwf. blue, 2-in. pots, \$2.00 100.
Reck & Son, Bridgeport, Conn.

Ageratum Stella Gurney, 2½-in., \$3.00 100.
Phoenix Nursery Co., Bloomington, Ill.

Ageratums, 2½-in., strong, \$2.00 100.
CHASE & SON, New London, Ohio.

Ageratum S. Gurney, 2-in., \$2.00 100.
L. Mosbaek, South Chicago, Ill.

ALTERNANTHERAS.

Alternantheras, red and yellow, out of 2-in. pots, \$2.50 100, \$22.50 1000. Cash with order.
H. Stahlhut, New Lots Road and Shepherd Ave., Brooklyn, N. Y.

Alternantheras P. major and A. nana, 2-in. pots, \$1.50 100; \$15.00 1000. R. C. nana, 60c 100; \$5.00 1000. Cash.
Ernest Harris, Delanson, N. Y.

Alternantheras, red and yellow; strong rooted cuttings, 50c 100; \$4.00 1000. Strong plants, 2-in., \$1.75 100. Davis Bros., Morrison, Ill.

Alternantheras, fine bushy plants. Paronychoides major aurea, variegata, \$25.00 per 1000.
FRED SCHWEIZER, New Durham, N. J.

Alternanthera, fine new bright reds, 85c per 100; bushy cuttings, 55c per 100.

DANIEL K. HERR, Lancaster, Pa.

Alternanthera, red and yellow from flats, \$1.50 per 100, \$12.50 per 1000.
Victor H. Thomas, Box 82, Augusta, Ky.

Alternantheras, red and yellow, R. C., 50c; 2-in., \$2.00 100. L. Mosbaek, So. Chicago, Ill.

Alternantheras, red and yellow, strong plants, \$2.25 100; \$20.00 1000.
Fred Rentschler, Madison, Wis.

Rooted cuttings of yellow alternantheras, 50c 100; \$4.00 1000.
Critchell's, Avondale, Cincinnati, O.

Alternantheras, 2½-in., \$1.50 per 100.
Texas Nursery Co., Sherman, Tex.

Alternantheras, 2½ in., \$2.50 100.
W. J. & M. S. Vesey, Fort Wayne, Ind.

ALYSSUM.

Alyssum, dbl. Giant, 2½-in., \$1.25 100; \$12.00 1000. Cash. Buckley Plant Co., Springfield, Ill.

Alyssums, dbl. Giant and Dwarf, 2-in., \$2.00 100.
L. Mosbaek, So. Chicago, Ill.

Alyssum giant dbl. from 2-in. pots, \$2.00 100.
Reck & Son, Bridgeport, Conn.

Alyssums, dbl. giant, 2-in., \$2.00 100.
N. P. COLBERG, Morris, Ill.

AMPELOPSIS.

Ampelopsis Veitchii, strong seedlings fit to pot, \$1.00 100, postpaid. Cash.
Benj. Connell, West Grove, Pa.

Ampelopsis Veitchii, 3-in., 7c; 4-in., 12c; 5-in., 18c. Packing free for cash.
W. H. Salter, Rochester, N. Y.

ANTHEMIS.

ANTHEMIS CORONARIA.
Double dwarf Golden Marguerite, \$2.00 per 100 by mail. J. W. MORRIS, Utica, N. Y.

ANTHERICUMS.

Anthericum variegatum, 3-in., 75c doz.; \$5.00 100. O. Elsele, 11th and Jefferson Sts., Philadelphia, Pa.

AQUATICS.

WATER LILIES AND AQUATIC PLANTS.
We have a fine collection of the above, true to name. Send for price list.
Edw. S. Schmid, 712 12th St., N. W., Washington, D. C.

ARAUCARIAS.

ARAUCARIA EXCELSA, 3 and 4 tiers, very fine, \$1.25 each; \$12.00 doz.

Araucaria glauca, 3 and 4 tiers, \$1.25 to \$1.50 each; \$15.00 doz. Cash with order.

ANTON SCHULTHEIS, College Point, L. I., N. Y.

Araucaria excelsa, 2-in., 1 to 2 tiers, \$16.00 100. Araucaria imbricata, 2½-in., strong, stocky, \$10.00 100.

F. LUDEMANN, 3041 Baker St., San Francisco, Cal.

Araucaria excelsa, 2 to 3 tiers, \$5.25 per doz.; 3 to 4 tiers, \$7.50 per doz.

THE CONARD & JONES CO., West Grove, Pa.

ASPARAGUS.

Asparagus plu. nanus, 2½-in. pots, 50c doz., \$3.00 100, \$25.00 1000. A. Sprenger, 2½-in. pots, 40c doz., \$2.00 100, \$17.50 1000; 3-in. pots, fine, 75c doz., \$5.00 100; 25 at 100 rate, 250 at 1000 rate.
Good & Reese Co., Springfield, O.

Plumosus nanus; still have a fine lot of good, strong stock from 3-in. pots left at \$8.00 100. Cash with order.

JOSEPH TOWELL, Paterson, N. J.

Asparagus Sprenger, from flats, \$1.00 100, \$6.00 1000; 5000 for \$25.00; 2½-in., \$1.50 100, \$12.50 1000.

S. Whitton, 15 Gray Ave., Utica, N. Y.

Asparagus Sprenger, 2½-in., \$3.00; 3-in., \$4.00; 4-in., \$8.00; 5-in., \$15.00; 6-in., \$25.00 100.
J. H. Bornhoeft, Tipton, Ind.

Asparagus Sprenger, 4-in., \$7.00 100; 2½-in., \$3.00 100. Cash. Samuel J. Bunting, Elmwood Ave. and 58th St., Philadelphia, Pa.

10,000 strong Asparagus Sprenger, 2½-in., \$20.00 per 1000. Samples sent on application.
WALKER & McLEAN, Youngstown, O.

Asparagus Sprenger, 2-in., \$2.00. 3½-in., \$2.50, 3-in., \$3.00 100. Express prepaid.
Loomis Floral Co., Loomis, Cal.

Asparagus Sprenger, 3, 3½ and 4-in., ready to shift, \$4.00, \$5.00 and \$7.00 100.
John Brod, Niles Center, Ill.

Asparagus Sprenger, 2½-in. pots, \$2.50; 3-in. \$4.00; 4-in., \$8.00 100. Cash.
Critchell's, Avondale, Cincinnati, Ohio.

Asparagus Sprenger, 2½-in., extra strong, \$3.00 100.
Geo. M. Brinkerhoff, Springfield, Ill.

Asparagus Sprenger, 8-in., \$8.00 100.
John Breitmeyer's Sons, Detroit and Mt. Clemens, Mich.

ASPARAGUS PLUMOSUS NANUS.

Cut strings, 50 cents each.
W. H. ELLIOTT, BRIGHTON, MASS.

Asparagus Sprenger and A. plumosus nanus, 2-in., \$3.00 100; \$25.00 1000.
ISAAC H. MOSS, Govanstown, Baltimore, Md.

Asparagus Sprenger, 3½-in. pots, \$10.00 100.
WM. A. BOOK, No. Cambridge, Mass.

Asparagus, both kinds, all sizes, fine. Write.
Geo. A. Kuhl, Pekin, Ill.

Asparagus Sprenger, fine plants, \$2.00 100.
Jos. H. Cunningham, Delaware, O.

Asparagus Sprenger, 4-in. pots, 15c.
M. F. La Roche, Collingdale, Pa.

Asparagus Sprenger, 3-in., \$5.00 100.
Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, all sizes.
A. S. MACBEAN, Lakewood, N. J.

ASPIDISTRAS.

Aspidistras, green and variegated, fine plants very cheap to make room, \$12.00, \$18.00 and \$24.00 doz. Cash with order.
ANTON SCHULTHEIS, College Point, L. I., N. Y.

ASTERS.

Semple's, separate colors—white, rose, shell pink, purple and lavender—\$2.50 per 1000. Cash with order. Write for prices on large lots. Queen of the Market, mixed, 50c per 100.
A. & G. Rosbach, Pemberton, N. J.

Asters, Purity, Daybreak, White Early Market, Comet and Branching, fine plants, 50c 100; \$3.00 1000. Cash. Ray H. Palmer, Randolph, New York.

20,000 transpl. Q. of Market, Carlson's and Semple's Br. asters, 75c 100; \$5.00 1000. Prepaid. Cash with order. Henry Diers, Sibley, Ill.

Asters, Semple's Br. in color. Vick's Br., mixed, trans., very strong, \$10.00 1000.
L. Mosbaek, So. Chicago, Ill.

10,000 fine chrysanthemum-flowered aster plants, \$3.00 per 1000 f. o. b. Cash.
W. H. Drake, 567 Chicago St., Kenosha, Wis.

Asters, Vick's Best, separate colors; strong plants, 60c 100; \$5.00 1000. Prepaid.
C. Humfeld, Clay Center, Kan.

Branching asters, white, pink and lavender, 60c 100, \$5.00 1000.
Chase & Son, New London, Ohio.

Asters, all the best var., 60c 100, \$5.00 1000. Converse Greenhouses, Webster, Mass.

Semples, 5 varieties, 2½-in. pots, \$1.50 100.
J. E. Felthousen, Schenectady, N. Y.

BANANAS.

Bananas, well-rooted plants by express, \$2.00 doz. Bulbs, \$1.50, postpaid.
SOUTH FLORIDA NURSERY CO., Dade City, Fla.

BAY TREES.

BAY TREES. Cheap to make room—at cost price. Stock limited and very fine. Order quick.

STANDARD BAYS.

28-in. crown diameter, per pair.....\$12.00
30-in. crown diameter, per pair.....14.00
4-ft. crown diameter, per pair.....30.00
4-ft. 6 in. crown diameter, per pair.....35.00
If to be shipped outside New York, add \$1.00 for each pair for packing. Cash with order, please.
ANTON SCHULTHEIS, College Point, L. I., N. Y.

Bay Trees. Have just received a fine lot of standards and pyramids.
F. W. O. Schmitz, Prince Bay, N. Y.

Bay Trees. Largest stock in America.
JULIUS ROEHR, Rutherford, N. J.

BEDDING PLANTS.

We beg to offer the following choice assortment of bedding stock for prompt delivery. All plants are strong, clean and healthy. We guarantee careful selection and packing. Geraniums, coleus, cannas, caladiums, salvias, Salleroi geraniums, lobelias, pansies (transplanted), verbenas (transplanted), Paris daisies, hardy pinks, sweet alyssums, alternantheras, vincas, Cobaea scandens, castor beans, dusty millers (transplanted), Gnaphallum linnatum. Write for prices.

JEWELL NURSERY CO., Lake City, Minn.

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	Per 100	Per 1000	Per 1000
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Maids	4.00	35.00	55.00
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	100	1000
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Swainsona alba, \$1.50 100.

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CELERY—White Plume and Golden Self-Blanching, \$1.00 per 1000.

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PARSLEY—20c per 100.

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50,000 sweet potato plants, 4 varieties—Nansemond, white and red yams, and vineless or bush, 25c 100; \$1.50 1000. A large stock of cabbage and tomato plants, best varieties, 15c 100; \$1.00 1000. Cash with order. Satisfaction guaranteed. S. J. McMichael, 142 Larkins St., Flindisay, O.

SWEET POTATO PLANTS. Jersey Yellow, \$1.50 per 1000; Jersey Red, Jersey Big Stem, Pierson, \$1.75 per 1000; Red Bermuda, Up River, \$2.00 per 1000. 200 of the above by mail, \$1.00. Vineland Bush, 100 by mail, 75c; 1000 by express, \$3.50.

F. S. NEWCOMB, Vineland, N. J.

CELERY, strong, stocky transplanted plants ready for field. Golden Self-Blanching and White Plume, \$2.50 per 1000; \$2.00 per 1000 for 5000 or over.

Frank Shearer & Son, Market Gardeners, Binghamton, N. Y.

Celery plants. Good, strong, transplanted plants, Giant Pascal, White Plume, 50c 100; \$4.00 1000. Tomato plants from seed bed, Beauty, Favorite, Buckeye, Stone, 15c 100, by mail 25c 100; \$1.00 1000. Cash.

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Sweet potato plants, clean and healthy. Big Stem Jersey, \$1.50 1000; Cedarville and Yellow Nansemond, \$1.25 1000; Early Red and Red Nansemond, \$2.25 1000. For larger quantities and other varieties send for price list.

H. AUSTIN, Felton, Del.

SWEET POTATO PLANTS. Large White Queen, Red Bermuda, Jersey Yellow, Jersey Red, \$1.75 per 1000. Brazilian, extra fine quality, 40c per 100.

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Tomato plants, transplanted, 35c 100; \$3.00 1000. Cabbage plants, large; Early Wakefield, Winningsstadt and others, also late cabbage, \$1.50 1000.

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Pepper plants, all varieties. Tomatoes—Golden Queen, Yellow Pear, Yellow Plum, all 35c 100. H. F. Janssen, 109 N. State St., Springfield, Ill.

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VERBENAS.

Verbenas, in bud and bloom, 2½-in., \$2.50 100, \$20.00 1000; 3-in., \$3.00 100, \$25.00 1000.

J. L. Dillon, Bloomsburg, Pa.

Verbenas, 15 mammoth var., 2½-in., labeled, \$1.00 100; \$9.50 1000. Cash.

Buckley Plant Co., Springfield, Ill.

Verbenas in bud and bloom, 2½-in., \$2.00 100. Cash. J. Palmer Gordon, Ashland, Virginia.

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Lemon verbenas, 2½-in., \$2.50 100.

R. Vincent, Jr. & Son, White Marsh, Md.

Verbenas, mixed, 2½-in., \$1.50 100.

Lewis R. Allen, Murphysboro, Ill.

Verbenas, 2-in., \$1.50 100.

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Vinca variegata, fine, bushy plants, from 4-in. pots, \$6.00 100. These are very nice plants, potted from the field last fall and are ready for 5-in. pots or can be divided.

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15,000 Vinca Major variegata, good strong plants from cold frame, 2-in., \$2.00 100; \$13.00 1000. Cash with order.

P. J. Agnew, Johnson Ave., Springfield, O.

Vinca major var., 2-in. pots, 30c doz., \$1.50 100, \$10.00 1000. 25 at 100 rate; 250 at 1000 rate.

Good & Reese Co., Springfield, O.

Vincas, extra strong, long vines, \$8.00 100.

Crabb & Hunter, Grand Rapids, Mich.

Vincas, green, 4-in., 20 to 25 vines, 18 in. to 4 ft. long, extra fine, \$1.50 to \$2.00 doz.

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Vincas, 4000 good, strong 2-in., at a bargain, to move at once, \$1.75 100, \$15.00 1000.

Gd. R. Violet Co., Grand Rapids, Mich.

15,000 vincas, 2½-in., \$2.50 100; \$22.50 1000. Fine for baskets or planting for stock.

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William J. Young, Jr., School and Pulaski Sts., Germantown, Pa.

Vincas, var., 3-in., extra strong and good, \$5.00 100.

N. P. Colberg, Morris, Ill.

Vinca var., good for hanging baskets, 2-in., \$5.00 100.

Reck & Son, Bridgeport, Conn.

Vinca var., 2-in., \$2.00; 3-in., \$4.00 100.

Geo. M. Emmans, Newton, N. J.

Vinca vines, var., \$2.00 100. Cash.

Jos. H. Cunningham, Delaware, O.

Vincas, 300 2½-in., at \$3.00 100.

Wm. J. Anker, Danville, Ill.

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M. F. La Roche, Collingdale, Pa.

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Violets. Why not grow the best? La France leads them all; will bloom two flowers to one of Princess of Wales. Well rooted crowns in healthy condition: La France, \$1.00 per 100; \$8.00 per 1000. California and L. H. Campbell, 75c per 100; \$5.00 per 1000. Add 15c per 100 for mailing. Money Order Station, Eddington, Bucks Co., Pa. Cash with order, please.

P. M. De Witt, Bridgewater, Bucks Co., Pa.

Marie Louise violet clumps. I can spare a few thousand fine large clumps. Make your own cuttings. If you want the best write at once. All orders must be accompanied by cash. \$5.00 100, \$40.00 1000.

Geo. T. Schuneman, Baldwin, L. I., N. Y.

Violets. Princess of Wales, California, hardy Russian, 2½-in. pots, 40c doz., \$2.00 100, \$18.00 1000. Hardy English Dbl. Flowering, 40c doz., \$2.50 100, \$20.00 1000. 25 at 100 rate; 250 at 1000 rate.

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I have the largest and healthiest stock of PRINCESS OF WALES violets in the country. Am booking orders now for strong young plants, at \$2.00 per 100; \$15.00 per 1000.

Wm. Sim, Cliftondale, Mass.

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Geo. Engel, Xenia, Ohio.

Campbell violets, 2½-in., \$2.50 100; nice thrifty plants. Rooted runners from soil, \$1.00 100.

Evergreen Lodge, Clarksville, Tenn.

Violets M. Louise, Imperial, Swanley White and Campbell, 2½-in., \$2.50 1000.

Crabb & Hunter, Grand Rapids, Mich.

Princess of Wales violets, outdoor-grown, rooted, \$5.00 1000, or will exchange.

Becker, The Florist, Columbia, S. C.

Violets, rooted runners from soil, \$1.00 100.

Converse Greenhouses, Webster, Mass.

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Review

Classified Advs.

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500 geraniums, mixed, 2-in. 2c

100 rose geraniums, 2-in. 2c

300 lobellias, blue, 2-in. 2c

150 double sweet alyssum, 2-in. 2c

100 heliotropes, blue, 3-in. 3½c

500 verbenas, mixed, 2½-in. 2½c

Will sell for cash, or will exchange.

GREENSBURG FLORAL CO., Greensburg, Ind.

Verbenas, scarlet sage, petunias, coleus, mixed; ageratum, blue and white; lobellias; achyranthes, red; alternantheras, red and yellow; heliotropes; giant alyssum and lemon verbenas, 2-in., \$2.00 100. Cannas, 3-in., \$4.00 100.

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To Exchange—Surplus stock carnation plants; 2-in., 2000 Meteors, 1000 Scott, 1000 Genesee, white; 1000 Mitting, white, \$12.50 1000, for hydrangeas Hogg and Otaksa, Nutt geraniums or 2½-in. Boston ferns.
Chas. Brown, 1409 W. Tuscarawas St., Canton, O.

To Exchange—Chrysanthemums, violets, blue Marguerites, cannas from sand and 4-in. pots, and Caladium esculentum bulbs. Want begonias, geraniums, ferns, perennial phlox, or anything we can use. Evergreen Lodge, Clarksville, Tenn.

To Exchange—About 300 4-in. callas and 400 one-year-old smilax for 4-in. plumosus and 3-in. Adiantum cuneatum.

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To Exchange—California and Princess of Wales violets, from 2-in. pots, for Liberty and Kaiserin rose plants. S. S. Brennenman, Webb City, Mo.

To Exchange—About 500 red and yellow alternantheras in 2-in. pots, for anything we can use or for cash. What have you?

J. A. Swartley & Sons, Sterling, Ill.

To Exchange—Meteor and Liberty rose plants for Maids and Brides.

Brant & Noe, Forest Glen, Ill.

To Exchange—Bonnaffon chrysanthemums, 2-in., for Coleus. Duly Bros., Randolph, Mass.

WANTED.

Wanted—Several thousand Echeverias (hen and chickens). Ludwig Mosbaek, 8500 Anthony Ave., South Chicago, Ill.

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Hunt's LIBERTY Folding Boxes are PURE WHITE, almost waterproof and stronger than any other box on the market. Send for sample. Price no higher than the "cheap-looking" boxes usually sold.

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Bull-dog hose, 7 ply, guaranteed; ¾-in., 16c ft.
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DUNNITE, a formula for preventing and remedying BLACK SPOT on rose plants. Write us.
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Fresh tobacco stems, bales 200 to 500 lbs., 75c per 100 lbs. Freight paid.
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Tobacco stems, fresh and strong, bale of 300 lbs., \$1.50.
W. C. Beckert, Allegheny, Pa.

NICOTICIDE kills all greenhouse pests.
Sold by all seedsmen.

The Florists' Manual, by William Scott, is a whole library on Commercial Floriculture. Send for terms on the installment plan.
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TWEMLOW'S OLD ENGLISH GLAZING PUTTY. An old article when goods were made for quality, not cheapness. It lasts a lifetime and is the best article today for all greenhouse glazing. Makes a firm, lasting bed for glass, unaffected by heat or cold. No leaky sash-bars when this is used.

1-gallon can (16 lbs.)..... \$1.25
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HAMMOND'S GREENHOUSE WHITE PAINT and TWEMLOW'S OLD ENGLISH LIQUID GLAZING PUTTY. In use by some of the largest florists in the United States. Write us for prices.

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Standard Pots. We are now ready to supply a superior quality of pots in unlimited quantities. Catalogues and price lists furnished on application.

A. H. Hews & Co., North Cambridge, Mass.

Standard Flower Pots. If your greenhouses are within 500 miles of the Capital, write us; we can save you money. W. H. Ernest, 28th and M Sts., N. E., Washington, D. C.

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Red pots. Write for prices and sample pot.

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Sphagnum moss of first quality. Can ship at a moment's notice—2 bales, \$1.50; 10-bale lots, \$6.00.
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American brand FLORIST FOIL—The standard foil of America.

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TOOTHPICKS.

Wired toothpicks, 10,000, \$1.50; 50,000, \$6.25. Sample free. For sale by dealers.
W. J. COWEE, Berlin, N. Y.

Wired toothpicks, box of 10,000, \$1.50.
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WIRE SUPPORTS.

Model Extension carnation supports and galvanized rose stakes. Parker-Brueen Mfg. Co., 208 Jersey St., Harrison, N. J.

Model Extension carnation supports; also galvanized rose stakes and tying wires.
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WIRE WORK.

We are the largest manufacturers of wire work in the west. E. F. Winterason Co., 45, 47, 49 Wabash Ave., Chicago.

We are manufacturers—no middleman's profits.
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Emil Steffens, Manufacturer of Florists' Wire Designs. 335 East 21st St., New York.

Reed & Keller, 122 W. 25th St., New York. Manufacturers of Wire Designs.

E. H. Hunt, 76-78 Wabash Ave., Chicago.

SAN FRANCISCO.**The Market.**

The florists have had a good trade in general. Shipping orders have been well distributed among the stores and everyone seems to feel jubilant. Flowers are plentiful and correspondingly cheap, but there are plenty of buyers and many of the dealers have had to scurry around lively to get stock enough to fill orders. Sweet peas seem to be more in demand than any other flowers and both in the stores and on the street corners they have been handled in vast quantities. The wholesale price has been from 50 cents to \$1 per dozen bunches, according to length of stem. Outdoor candy-tuft, stocks, roses, carnations, callas, coreopsis, gaillardias, iris and bachelor buttons are in great profusion and in the smaller stores form the greater bulk of the flowers offered for sale. Inside roses are plentiful enough, and carnations also. Lilium longiflorum is scarce and wholesales at \$2 to \$4 per dozen. Funeral work has been good for the past week, and this, with the rush of Decoration day work, has made things very lively in this town. The sidewalk merchants have increased wonderfully in numbers with the approach of Decoration day.

Notes.

Over 3,000 people with a love for flowers and plants for window gardens attended the distribution of plants from the nursery in Golden Gate Park. They came with baskets and boxes of all shapes and sizes and by nightfall had carried away over 35,000 rooted cuttings that constituted the surplus stock that the park commissioners had decided to give away rather than destroy. From 9 o'clock in the morning until late in the afternoon the nursery was thronged with a clamorous crowd, and the dozen employees were nearly overwhelmed with the calls upon them for spading out the plants. Foreman Peter Rock did his utmost to please the visitors and his hands were full indeed. The plants given away consisted principally of stocks, petunias, godetias, poppies, sweet-williams, lobelias, phlox, cosmos, dianthus and gaillardias. G.

PLANT your adv. in the REVIEW if you want a crop of business.

PLEASE MENTION THE REVIEW WHEN WRITING ANY OF THESE ADVERTISERS.

Seed Trade News.

AMERICAN SEED TRADE ASSOCIATION.

Pres., Walter P. Stokes, Philadelphia; First Vice-Pres., Chas. N. Page, Des Moines, Ia.; Sec'y and Treas., S. F. Willard, Wethersfield, Conn. The twenty-first annual convention will be held at Philadelphia and Atlantic City, June 23, 24 and 25, 1903.

BOTH Peppard and Trumbull were among the flood sufferers at Kansas City this week.

REPORTS from the pea-growing sections so far are favorable, but it is too early for anything definite.

VISITED ST. PAUL.—J. B. Kidd, of the Cox Seed Company, San Francisco; G. C. Eldering, Overveen, Holland.

Mr. Marshall, long with Weeber & Dou, has commenced in the seed business at 41 West 24th street, New York.

VISITED CHICAGO.—Alex. Rodgers, of J. M. McCullough's Sons, Cincinnati; Harry A. Bunyard, of Lucas & Bodding Co., New York.

NEBRASKA seed growers are afflicted by floods, while in the eastern district drought is destroying the crops. It does not look like a year of plenty.

THE consequence of the floods is likely to make turnip seed good property. There is quite a dearth of seed at the ordinary sources of supply, so that even a normal demand is likely to develop a shortage.

THE Leonard Seed Company, Chicago, reports the heaviest market garden trade for any May since the year of the World's Fair. The weather conditions generally have been right and the market conditions favorable.

MAX WILHELM and Charles F. Eltzholtz, of Barteldes & Co., Lawrence, Kan., have been at Oklahoma City, Okla., where they selected a site for a seed warehouse to be built this summer and cost not less than \$15,000.

THE floods in the west and southwest have covered the onion set fields in those localities. At Lawrence and Atchison, Kan., much damage has been done. At Iowa and Nebraska points the extent of the damage is not yet known, but it is likely to prove serious.

VINE seeds, especially cucumbers, have been contracted at higher prices than for many years. The high price for seed and the shortage of "pickles" in the vats of the pickling works has a tendency to make the farmers quite independent.

BEAN contracting for the year 1903 is about finished. Reports are that it was uphill work to get the farmers interested in garden beans, owing to the good prices and favorable market outlook for navy and other field beans. The prices that have ruled this season are higher for many varieties than for some years.

THERE is still a brisk demand for seed corn of both the sweet and field varieties. In the absence of stock of the Early Dent varieties of field corn there is sharp call for the flint varieties, while any canners' variety of sweet corn of good germination is quickly taken. Purchasers cannot be led back to the \$15 a bushel price, however.

SO FAR Chicago onion-set growers have been favored with splendid weather conditions. Weeding is the important thing just now. The seed is well up and the stand is good. In some fields the onion magot is working, and this may have a bad effect on the crop later on.

PHILADELPHIA.—Continued dry weather has had a very depressing effect upon the local seed trade. It has not only lessened sales but has caused much complaint from those whose seed in the ground is not germinating. As usual, the fault is attributed to the seed, and very especially where it is not paid for. Potatoes are especially dilatory about coming up. All kinds of vegetables are selling well at unusually high prices, which augurs well for the trade in the future.

FRANK T. EMERSON, of Waterloo, says the rainfall during the month of May throughout the state of Nebraska was greater than at any time during the previous ten years. As a consequence, corn planting, not only as an ordinary field crop, but for seed purposes, has been greatly retarded, and a large proportion of the crops already planted, especially in the valleys, will have to be replanted. The sweet corn crop for seed purposes is likewise affected and, owing to the present unfavorable conditions, the probabilities are that the crop will not be nearly as large as has been anticipated. The planting of the vine seed crops has also been retarded, but as these crops may be successfully grown even when planted as late as the second week in June, it is to be hoped that the weather will become settled before it becomes too late to obtain good stands.

GEORGIA SEED CROPS.

Crops of the garden and field seeds peculiar to this section are quite promising at the end of May, but a dry, hot June is anticipated and conditions may change very materially before crops are safe. At this writing Seven Top turnip and Giant Curled Mustard may be counted safe and the seeds are of excellent quality. The famous Georgia collard is also safe.

The largest acreage of okra, Nixon muskmelon, Mexican June corn, Pearl millet, Spanish peanuts, Upland rice, White Multiplier onion, shallots, chufas, Velvet beans, Johnson grass, teosinte, Soja beans, Burr clover, cow peas and cotton ever put in is now well advanced and the prospect is encouraging at present. Notwithstanding the tremendous energy expended in the cultivation of these seeds, the demand is also greater than ever and spot cash buyers stand ready to take the output. Uncle Sam reaches out his paternal hand and draws in many tons of Georgia-grown seeds to distribute broadcast over the land. This is one of the most unbecoming enterprises our great government is engaged in, and one of the most useless. It works a great injustice to the enterprising seedsmen of the country by robbing them of trade. If it is a legitimate function of the government to furnish the people with free seeds, why not furnish tea and coffee? But let the government confine its free seed distribution to things entirely new to this country and there will be no cause for complaint.

MARK W. JOHNSON.

BALTIMORE.

Since the drought was broken by the gracious rain of about a week ago we have had moderate showers, but we can stand a great many more. The weather continues moderate, and, save some cool and muggy nights, favorable for flowers. Brides and Maids are growing less in size and the scarred foliage shows the mildew's blistering finger in many cases, but stuff generally is in better shape than is usual at this date.

The past week was one of activity in trade and flowers were not in excess of calls. The commencement season is upon us, and the demands are large for June weddings and public and private entertainments, and are equally distributed.

Decoration day, as was foreshadowed, produced more demands for finer flowers than was probably ever noticed before, and it is pleasant to see signs that the day will be of more advantage to the growers and dealers than it has been heretofore in this section. Of course the largest use is made of outdoor stuff, but greenhouse flowers were considerably employed.

The peony crop this year was not so abundant as usual, and sweet peas are not seen in their customary annual abundance.

The vacancy in the post of manager of the Florists' Exchange caused by the sickness of Alexander Scott, has been filled by the appointment of John J. Perry, who has had experience in this line, is well acquainted with the needs of both growers and buyers, and has the confidence of the entire trade. B.

PITTSBURG.

The great surplus of roses and carnations which has glutted this market for the past three weeks came to an end Thursday, May 28. The big demand for stock for Decoration day used up almost everything. Outdoor flowers, such as deutzias, snowballs and Narcissus poeticus, which are usually abundant at this time, arrived in small quantities. Peonies were more plentiful and the demand for them was brisk. On carnations and roses the supply equaled the demand. Every one reports business for Decoration day as very satisfactory.

Charles Koenig is cutting some very good gladioli.

A. W. Smith struck Decoration day just right with a house of fine long-florum lilies. So did Fred Burki, with a house of Kaiserins.

Christian Rieger, the pioneer manufacturer of florists' wire designs, has moved his works to 513 First avenue.

James Brothers, of Wilkinsburg, Pa., with greenhouses on the Greenbury pike, failed Tuesday, June 2.

At this writing, June 2, a surplus of the poorer grades of carnations and roses is again very noticeable.

Visitor: J. J. Bolton, of Beaver Falls, Pa. Hoo-Hoo.

ST. PAUL.

The Market.

Everybody has been very busy the past two weeks. Decoration day business was immense from every point of view. The demand, both for cut flowers and plants, was away ahead of past

years, and prices obtained much better. Roses were, and continue to be, very scarce. Carnations fell short of the demand and were of inferior quality. Beauties and red roses are especially scarce. In outdoor stock, snowballs are in their prime, while spiræas, weigelas and deutzias add to the general stock. Cape jasmines from Texas are a very valuable adjunct at this time. A few good longiflorum lilies are seen. Outside valley has also been coming in quite freely, but they are nearly all gone now.

Bedding out has been rushed with all possible dispatch and work in that line is nearly all done. Another week, or in ten days at the latest, outside work should be all completed. Shipping trade has been exceptionally good this spring. Geraniums, as usual, have been in greatest demand, but there has also been a good call for pansies, verbenas, cannas, coleus, marguerites, feverfew, etc.

C. F. Haupt is cutting some fine lilies, which were originally intended for Easter, but are selling nearly as well now.

Holm & Olson, who erected a range of plant houses last summer, find their business doubled over that of a year ago.

L. L. May & Co. had a large decoration at the Commercial Club this week, and several \$50 and \$75 funeral orders have kept them exceedingly busy.

Charles Vogt has been the busiest he ever was and says business is very good.

There is a very heavy demand this week from the country towns for red roses and carnations for commencement exercises and weddings. X. Y. Z.

WASHINGTON.

Last week rain fell almost daily and gave the boys a much easier feeling, as all outdoor stock was suffering very much. Decoration day was a record breaker. Some did 50 to 75 per cent better than last year. Everything sold at very good prices in spite of the large quantities of outdoor stock at hand. Beauty brought \$2 to \$5, all tea roses \$1 to \$1.50 per dozen, carnations 50 cents to \$1 a dozen. Cemetery baskets cleaned out at 50 cents each. By 10 o'clock on the morning of Decoration day one could not buy any kind of a plant in bloom.

Last week, Wednesday, a party of our bowlers went to Baltimore and were royally entertained. We did not have our regular team and Captain Ernest had a bad hand, so we did not make a very good showing on the alleys. Our team will challenge the Baltimore and Philadelphia teams for a silver cup known as the Kramer cup and valued at from \$35 to \$50. The conditions of the match will be announced later. Following is the record of the last practice:

Player.	1st.	2d.	3d.	Total
George H. Cooke.....	186	166	172	524
Wm. H. Ernest.....	179	165	161	505
J. L. Barber, Jr.....	151	188	138	477
George Shaffer	200	137	138	475
J. L. Barber	143	159	148	450
A. Esch	143	152	144	439
W. Smith	138	153	120	431
G. Wolf	98	137	125	360
J. Minder	142	110	153	405
W. S. Clark	110	145	120	375
McLennan	137	111	...	248
J. Shine	104	95	135	334

F. H. KRAMER.

I COULD not get along without the REVIEW.—WM. HIGH, Purcell, I. T.

Stumpp & Walter Co
50 Barclay St. N.Y.

Cycas Stems.

2 to 3 lbs. 4 to 5 lbs. 6 to 7 lbs.
Per 100 lbs....\$7.50 Per 1000 lbs...\$65.00

NEW CROP SEEDS

Primula Sinensis Fimbriata.
(English Grown.)

"The Grand" Mixture, trade packet, 50c
Primula Forbesi, trade packet.....25c

Cineraria Hybrida Grandifl.
(English Grown.)

Hunt's "Special" Mixture, tr. pkt....50c

Calceolaria Hybrida Grandifl.

Hunt's Import Mixture, tr. pkt....\$1.50
All the types, including the self-colored, tigered, mottled, variegated, spotted.

Gloxinia Grandiflora.

Hunt's Extra Select Mixture, tr. pkt. 50c
A mixture of exclusive French hybrids, including Fire King, Defiance, Frederic, etc.

E. H. HUNT,
76-78 Wabash Ave. CHICAGO.



Gladioli

To fill the Gap
between
Asters and 'Mums
That is what you want

Cushman's Hybrids
planted the first of July
supply that want. Nothing
better. Now per 1000,
\$5.00.

Cushman Gladiolus Co.,
SYLVANIA, OHIO.

PRIMROSE --- Chinese Fringed.

Kermesina Splendens.....	Trade Pkt., 50c
White, Yellow Eye.....	" 50c
Bright Pink	" 50c
Brilliant Red	" 50c
Rosy Morn	" 50c
Blue.....	" 50c
Flesh Color	" 50c
Mixture of above	" 50c
Fern Leaved Mixed	" 50c
Obconica Grandiflora, White.....	" 50c
" " Rosy Chamoise.....	" 50c
" " Bright Rose	" 50c
" " Fringed Mixed.....	" 50c

W. C. BECKERT, - ALLEGHENY, PA.



RAWSON'S
Arlington Tested

Seeds FOR THE FLORIST

Catalogues Mailed Free.

W. W. RAWSON & CO., Seedsmen,
12 and 13 Faneuil Hall Square, BOSTON.

Palm Seeds

JUST ARRIVED per Steamer Sonoma
FROM AUSTRALIA.

Areca Baueri.....	25c per 100;	\$2.00 per 1000
Kentia Belmoreana...	35c "	2.50 "
Kentia Forsteriana ..	35c "	2.50 "
Pritchardia Seamanii.	\$4.50 "	
Erythea Edulis.....	75c "	6.00 "

ARAUCARIA
.....EXCELSA

from 2-inch pots, one to two tiers, \$16 per 100.

Araucaria Imbricata
from 2½-inch pots, strong stocky plants,
\$10.00 per 100.

Livistona Chinensis
the true variety (not Latania Borbonica),
from 2-inch pots, \$6.00 per 100.

F. LUDEMANN, SAN FRANCISCO, CAL.

Calla Bulbs!

1½ to 2 inches in diam.

Choice grown for Florists' use, \$5.00
per 100. For delivery August 1. Ex-
press prepaid.

California Carnation Co., Loomis, Cal.
Mention The Review when you write.

ALL THE BEST CARNATIONS

LEADING NOVELTIES OF 1903.

The Best Varieties of 1902.

All the Standard Varieties.

Send in your orders for Rooted Cuttings now.

GEO. HANCOCK & SON, Grand Haven, Mich.

**Carnations, Geraniums,
Cannas, etc.**

Prices quoted upon application.

THE COTTAGE GARDENS, Queens, L. I.

Mention The Review when you write.

The Florists' Hail Association

has paid over \$54,000 for glass broken by
hail during the past 15 years. For particulars

Address JOHN O. ESLER, Sec'y, SADDLE RIVER, N. J.

Mention The Review when you write.

You will find **ALL** the
BEST offers **ALL** the time
IN
THE Review's Classified Advs.

Burpee's Seeds Grow

Mention the Review when you write.

OMAHA.

Decoration day and the two or three days preceding were a record breaker in the annals of Omaha. Very little outdoor stock was to be had, but indoor stuff was in quantity. The quality of roses in general was lowered a great deal by the incessant rains, but same did no visible harm to the carnations. Very few lilies and peonies were in bloom here, but plenty of the latter were shipped in and were very fine. Decoration day itself was a failure because of rain from early morning until night. Many put off their buying for Sunday, but that was also a disappointment. Our cold spring is inflicting a great loss on the florists of Omaha, because of their inability to do their planting out until so late in the season. That many, who ordinarily buy quantities of garden plants, will not invest at all is a foregone conclusion.

J. H. B.

ANOTHER.

On page 32, issue of May 28, I note the item entitled "A Lily Customer." I think I can equal it, with the following mail order:

"Dear Sir: You please sent me six coleus plant of the high shade sorted. I have inclose 13 cent—please sent at once, and oblige."

How's that?

W. C. C.

JOLIET, ILL.—Larson & Goranson, who have the Smith greenhouses, have a good stock of bedding plants and are doing a nice business.

In the Grand Rapids (Mich.) Evening Press for April 18 appears an extended description of the new rose raised by Mr. Geo. Hopp and which won high honors at the Philadelphia show of the American Rose Society, where it was exhibited by John Breitmeyer's Sons, of Detroit. It contains a view of a vase of the roses and a portrait of Mr. Hopp.

.....ROSES.....

We grow over 100,000 annually for the trade of the following varieties:

VARIETY.	2x2½-in.	2½x3-in.	3x3-in.
Brides.....	\$2.50	\$3.50	\$ 5.00
Maids.....	2.50	3.50	5.00
Perles.....	2.50	3.50	5.00
Ivory.....	3.50	4.50	6.00
La France.....	3.00	4.00	5.00
A. V. Kaiserin.....	3.00	4.00	5.00
Woottons.....	3.00	4.00	6.00
Belle Siebrecht.....	4.00	5.00	7.50
President Carnot.....	4.00	5.00	7.50
Golden Gate.....	4.00	7.50	10.00
American Beauties.....	6.00	8.00	12.00
Liberty.....	10.00	.....	.....

We believe in shifting young roses often. All stock offered in 2½-in. pots has been shifted from 2-in. and are equal to most stock advertised as 3-in., and when we send it out is well established. We solicit your order and guarantee satisfaction. Write for special prices on large lots.

Ivory is a money-maker. Be sure and include a few in your order. Send 50c or \$1.00 for samples of anything you may want, then you see exactly the stock you are ordering.

Cannas—3 and 4-inch.

Boston Ferns—4, 5, 6, 7, 8 and 10-inch.

Pierstoni—We save you express charges; order 1 doz. 2½-inch for trial.

Coleus—Rooted cuttings and 2-inch.

Sprengerii—2, 3, and 4-inch.

Plumosus—2, 3, 4 and 5-inch.

WHITE

Geo. A. Kuhl, Pekin, Ill.

Mention the Review when you write.

B. & A. SPECIALTIES.

We have thousands of Kentias,

PALMS

Araucarias, Ficus and Bay Trees.

Many florists at this season of the year are looking for something to grow on during the Summer. Here is an opportunity to purchase such stock and every enterprising man will no doubt avail himself.

KENTIA BELMOREANA.

Inch.	No. of Leaves.	Height, Inches.	Per Doz.	Per 100.	Per 1000.
2½	3 to 4	8	\$1.50	\$12.00	\$100.00
3	4 to 5	10 to 12	3.00	15.00	140.00
4	5 to 6	15 to 18	4.00	25.00	225.00
5	5 to 6	18 to 22	6.50	50.00	
5½	5 to 6	22 to 24	9.00	75.00	
			Each. Per doz.		
6	6	21 to 26	.....	\$1.00	\$10.00
6	6 to 7	26 to 28	.....	1.25	15.00
6	6 to 7	28 to 30	.....	1.75	21.00
7	6 to 7	30 to 33	.....	2.50	25.00
7	6 to 7	33 to 36	.....	3.00	36.00
7	7 to 8	36 to 40	.....	4.00	48.00
8	7 to 8	40 to 45	.....	5.00	60.00
8	7 to 8	45 to 50	.....	6.50	75.00
8	7 to 8	50 to 55	.....	7.50	85.00
9	7 to 9	50 to 60	.....	10.00	115.00
10	7 to 9	60 to 65	.....	12.50	145.00
12	tubs.....	65 to 70	.....	15.00	
12	made-up plants, 7 to 8 ft.	.....	25.00 to	\$35.00	

KENTIA FORSTERIANA.

Inch.	No. of Leaves.	Height, Inches.	Per Doz.	Per 100.	Per 1000.
3	3 to 4	12	\$2.00	\$15.00	\$140.00
4	4 to 5	15	4.00	25.00	225.00
5	5	15 to 18	6.00	50.00	
5½	5	18 to 20	7.50	60.00	
6	5	20 to 24	9.00	75.00	
			Each. Per doz.		
6	5 to 6	24 to 28	.....	\$1.00	\$10.00
6	5 to 6	28 to 30	.....	1.25	12.00
6	6	30 to 32	.....	1.50	15.00
6	6 to 7	32 to 36	.....	2.00	20.00
7	6 to 7	36 to 42	.....	3.00	30.00
8	6 to 7	48 to 52	.....	4.00	50.00
9	6 to 7	60 to 65	.....	7.50	
10	6 to 7	65 to 75	.....	12.50	
12	tubs, 7 to 8	7 to 8 ft.	.....	18.00	
12	" made-up, 7 to 9 ft.	.....	20.00 to	\$30.00	

We are pleased at all times to receive visitors at our Nurseries. We have sixty acres planted with the most interesting stock in the country. See Spring Catalogue for other stock.

BOBBINK & ATKINS, -- Rutherford, N. J.

Mention the Review when you write.

To Clean Out.

10,000 AMERICAN BEAUTY PLANTS

in 2½-inch pots at \$6.00 per 100; \$50.00 per 1000

THESE PLANTS ARE ALL IN FINE CONDITION.

JOHN MUNO,

51 Wabash Ave., CHICAGO, ILL.

GREENHOUSES: ROGERS PARK.

Mention the Review when you write.

GRAFTED ROSES.

Our Grafted Roses are fine, bushy plants, grown in 3½ and 4-inch pots, and are the best that can be produced.

Liberty, Ivory, \$18.00 per hundred.

Bridesmaids, Brides, Golden Gates, Kaiserins, \$15.00 per hundred.

Send for catalogue.

J. L. DILLON, BLOOMSBURG, PA.

ROSE PLANTS.

Good, clean, strong plants from 2½-inch pots.

AMERICAN BEAUTY.....	\$6.00 per 100;	\$50.00 per 1000
BRIDES.....	3.00 "	25.00 "
IVORY.....	3.00 "	25.00 "

J. A. BUDLONG, 37-39 Randolph Street, CHICAGO.

Mention The Review when you write.

CLEARANCE SALE.

LAST CHANCE.

Decoration Day is gone and now you should close up with **SEASONABLE STOCK.** **DON'T PUT IT OFF SO LATE** that you will miss getting what you require.

Our stock is fine. First come, first served. Order to-day.
25 at 100 rate, 250 at 1000 rate.



PONDEROSA LEMON.

	Per doz.	Per 100
Honeysuckles, 2 1/2-inch pots, 12 to 15 inches high. Scarlet Trumpet, Hallsana, Chinese Evergreen and Golden Leaved, \$15.00 per 1000.....	\$.30	\$ 2.00
Hydrangeas, Otaksa, Thos. Hogg and red branched, 2 1/2-inch pots.....	.50	3.00
Jasmines, Grandiflora or Star Jasmine and Revolutum, the yellow flowered, \$18.00 per 1000.....	.30	2.00
Justicia or Flame Flower, 2 sorts, fine plants, \$20 a 1000 ..	.30	2.00
Lemon Ponderosa, has ponderous fruit. Anyone can bloom and fruit it. It blooms in large clusters, the individual flowers as large as tuberoses. It is the best selling plant we have and we recommend it to all florists, 2 1/2-inch pots, \$25.00 per 1000.....	.50	3.00
Lemon Ponderosa, 2 1/2 feet high.....	1.50	10.00
8 to 4 feet high, 50c each.....		40.00
Linum Trigynum, always in bloom.....	.30	1.50
Lantanas, Dwarf flowering, in best sorts.....	.40	2.00
Moon Vines, blue and white flowering. Now is the time to buy. Don't put it off until you can not find them. We have 50,000 plants to offer, \$15.00 per 1000.....	.30	2.00
Manettia Bicolor, handsome flowers, \$20.00 per 1000.....	.30	1.50
Primula Obconica Grandiflora, 2-in. pots, \$20.00 per 1000 ..	.30	2.00
Passiflora Constance Elliott, hardy white flowering Passion Vine, \$15.00 per 1000.....	.30	2.00

	Per doz.	Per 100
Asparagus Plumosus Nanus, 2 1/2-inch pots, \$25.00 per 1000.....	\$.50	\$3.00
Asparagus Sprengerii, 2 1/2-inch pots, \$17.50 per 1000.....	.40	2.00
3-inch pots, fine.....	.75	5.00
Achillea, The Pearl, white flowered, 2 1/2-inch pots, \$10.00 per 1000 .....	.30	1.50
Acalypha Marginata, fine bedder, \$20.00 per 1000.....	.40	2.50
Anemone, Queen Charlotte, new, large flowered.....	.50	3.00
Begonias, flowering, 6 best sorts.....	.40	2.50
Bougainvillea Sanderiana, 2 1/2-in. pots, fine stock for shifting on, \$40 a 1000..	.75	5.00
Cannas, all our Cannas are plants from pots ready to move right off. They are much superior to dormant roots. Mme. Crozy, Mlle. Berat, Queen Charlotte, Florence Vaughan, Paul Marquant and S. de Antoine Crozy, \$20.00 per 1000.....	.40	2.50
Crotons in 5 best sorts, 2 1/2-inch pots.....	.50	3.00
Caladium New Century, the flowering Caladium.....	.60	4.00
Coleus, including Verschaffeltii, Hero, Golden Verschaffeltii, Golden Bedder and Firebrand, 2 1/2-inch pots, \$10.00 per 1000.....	.30	1.50
Chrysanthemums, all the leading sorts. We have 100 varieties to offer. \$15.00 per 1000.....	.30	2.00
Dracena Indivisa, 2-inch pots.....	.40	2.50
Daisies, Paris or Marguerite, 2 sorts, white or yellow, the best, \$10 per 1000...	.30	1.50
Dahlias in 10 best named sorts, \$30.00 per 1000.....	.50	3.50
Fern Balls, 5-inch.....	2.00	15.00
Fuchsias in all the leading kinds, both double and single, fine young stock. \$20.00 per 1000.....	.40	2.50
We are large growers of Fuchsias and have all the best varieties.		
Geraniums, double and single, all leading varieties, 2 1/2-in. pots, \$20 a 1000 ...	.50	2.50
Geraniums, Mountain of Snow, silver leaved.....	.50	3.00
Helianthus Multiflorus, hardy sunflower, \$25.00 per 1000.....	.30	2.00
Hibiscus, 12 leading sorts, \$25.00 per 1000.....	.50	3.00
Crimson Eye, perfectly hardy.....	.50	3.00
Rhynchospermum Jasminoides, fragrant white flowers...	.40	2.50
Rudbeckia, Golden Glow, \$20.00 per 1000.....	.30	2.00
Royal Purple Strobilanthes, fine, highly colored bedder. \$10.00 per 1000.....	.30	1.50
Roses. The following roses, from 2 1/2-inch pots, at \$2.00 per 100 and \$15.00 per 1000: — Mosella, Hermosa, Burbank, Olio, Climbing Souper, Ivory, Bride, Bridesmaid, Mme. Jos. Schwartz, La France, Mme. F. Kruger, Rainbow, Safrano, Mme. O. Kuster, Jersey Beauty, Manda's Triumph, Gardenia, Universal Favorite, Mrs. Lovett, Greville or Seven Sisters, Henry Martin, Pink Moss.		
Sage, Holt's Mammoth, \$10.00 per 1000.....	.40	2.00
Spiraea, Anthony Waterer, 2 1/2-inch pots, \$25.00 per 1000 ..	.50	3.00
Caryopteris, Hardy Blue Spiraea, 25.00.....	.50	3.00
Salvias, Le President, Dwarf Scarlet Salvia and Splendens. The old stand-by, \$15.00 per 1000.....	.40	2.00
Solanum Azureum, the blue flowering Solanum, extra fine, \$25.00 per 1000.....	.50	3.00
Vinca Major Variegata, 2-inch pots, \$10.00 per 1000.....	.30	1.50
Violets, Princess of Wales, California and Hardy Russian, 2 1/2-inch pots, \$18.00 per 1000.....	.40	2.00
Violets, Hardy English Double Flowered, \$20.00 per 1000..	.40	2.50

Address

THE GOOD & REESE CO., SPRINGFIELD, OHIO.

THE LARGEST ROSE GROWERS IN THE WORLD.

Mention The Review when you write.

Meteor Rose Plants.

3 1/2-inch, \$4.50 per 100; \$37.50 per 1000.
LIBERTY, 3-inch, \$8.00 per 100.

Cash with order unless parties are known. These plants are guaranteed extra choice.

BRANT & NOE, Forest Glen, Chicago, Ill.

Will exchange Meteors for Maids and Brides.

Mention the Review when you write.

CARNATIONS

F. DORNER & SONS CO., LaFayette, Ind.

Mention The Review when you write.

Always Mention the...

Florists' Review

When Writing Advertisers.

ROOTED CARNATION CUTTINGS.

15,000 Marquis, 20,000 Joost, 15,000 Evanston.

All \$1.25 per 100, \$10.00 per 1000.

The above number of cuttings are on hand at this issue, AND ARE CLEAN, HEALTHY AND WELL ROOTED.

...ROSE PLANTS...

GOOD STOCK FROM 2 1/2-INCH POTS.

	Per 100	Per 1000		Per 100	Per 1000
BRIDESMAID.....	\$3.00	\$25.00	GOLDEN GATE.....	\$2.50	\$20.00
BRIDE.....	3.00	25.00	OLIVER AMES.....	3.00	25.00
PERLE.....	3.00	25.00	IVORY.....	3.00	25.00

GEO. REINBERG, 51 Wabash Avenue, CHICAGO.

Mention The Review when you write.

DREER'S started, pot-grown CANNAS

Well established plants from 3-inch pots, \$5.00 per 100; \$40.00 per 1000.

ALPHONSE BOUVIER, fine crimson; 6 feet.
ALSACE, sulphur white; 4½ feet.
AUSTRIA, canary yellow; 6 feet.
BRONZE SEEDLING, rich currant red, bronze foliage; 4½ feet.
F. NEUVESSEL, a fine soft carmine; 5 feet.
FURST BISMARCK, crimson scarlet; 3½ feet.
ITALIA, orange scarlet, yellow border; 6 feet.
INSPECTOR EHEMAN, intense glowing scarlet; 4 feet.
JEAN TISSOT, very bright vermillion scarlet; 5 feet.
LURAY, a deep rosy pink; 4½ feet.
MME. CROZY, gilt edged scarlet; 4 feet.
Mlle. BERAT, fine pink bedder; 4 feet.

MRS. KATE GRAY, gigantic orange scarlet; 6 feet.
PENNSYLVANIA, vermillion scarlet, large flowers; 6 feet.
PRES. MEYER, rich cherry carmine, of immense size, foliage bronze; 4 ft.
ROBERT CHRISTIE, bright orange red; 4½ feet.
RUBIN, intense rich glowing carmine, bronze foliage; 4 feet.
SECRETAIRE CHERBONNE, salmon; 3 feet.
SOUVENIR d'ANTOINE CROZY, intense scarlet with golden edge; 3 ft.
SOUVENIR de PRES. CARNOT, vermillion scarlet, bronze foliage; 5 ft.
SOUV. de LEONIE VIENNOT, rosy carmine with golden borders; 4 ft.
VICE-PRESIDENT LUIZET, carmine; 3½ feet.
WILHELM BOFINGER, bright intense scarlet; 5 feet.
\$5.00 PER 100; \$40.00 PER 1000.

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PA.

GRAND RAPIDS.

The weather has had a marked effect on business. We had two weeks of summer heat, when carnations bloomed so freely that for the first time this season there was a glut, and so high was the temperature that flowers seemed to go to sleep in a day. This was followed by a wet, raw, cold week previous to Memorial day, lessening the cut considerably, yet for all that there was undoubtedly the largest cut of roses and carnations on record. The demand was so great that shipping orders coming in Friday could not be filled.

The bulk of the bedding is finished. Straggling orders will, however, continue to come in for the rest of the month.

Harry Bunyard was recently trying to cool us off by talking eloquently of cold storage lilies. G. F. C.

BOONE, IA.—Jno. Lohrer says the continuously rainy weather in the latter half of May interfered with the spring trade.

Use DUNNITE

According to directions, and cease suffering from **Black Spot** or **Insects** on any of your **Rose Plants**.

Write for prices and further particulars to

DUNNE & CO., 54 W. 30th St. NEW YORK.

Mention The Review when you write.

ROSES from 5-inch pots, 15c, fine clean plants on own roots—Clothilde Soupert, Coquette des Blancches, Coquette des Alpes, La Reine, Gen. Jacqueminot, La France, Crimson Rambler, etc. Large flowered **Clematis**, finest purple, white, lavender and pink sorts, 2-year dormant or from 5-inch pots, 18c; 1 year or from 8-inch pots, 9c. **Clematis Paniculata**, from 5-inch pots, 12c. Extra, from 6-inch pots, 25c. **Ampelopsis Veltheim**, from 8-in., 7c; from 4-inch, 12c; from 5-inch pots, 18c. Packing free for Cash.

W. H. SALTER, ROCHESTER, N. Y.

Mention The Review when you write.

JOHN SCOTT,
 Keap St. Greenhouses, Brooklyn, N. Y.
 Headquarters for **BOSTONS**
 Fine "**PIERSONI**" in 2½-inch pots.
 The Cottage Gardens' Collection of Cannas—Grand stock. Send for particulars.

Mention The Review when you write.

We Won't Come Again This Year

CANNAS, strong, from 3-in. pots, per 100: Chas. Henderson, \$2.50; F. Vaughan, \$3.00; Mme. Crozy, \$3.00; Pres. Cleveland, \$3.00; Kate Gray, \$9.00.

GERANIUMS, dbl. and single, best bedders, Nutt. Grant, etc., 3-in., \$3.00 100; 4-in., \$4.00 100.

JAMES FROST, GREENVILLE, OHIO.

Mention the Review when you write.

YOUNG GRAFTED ROSE PLANTS FOR SALE.

Having made some changes in our plans for replanting We offer the following stock selected for our own use.

2,000 LIBERTY , 2½-inch pots, per 100	\$12.00
700 BRIDES , 2½-inch pots, per 100	10.00
3,700 BRIDES , 3½-inch pots, per 100	12.00
1,400 MAIDS , 2½-inch pots, per 100	10.00
1,200 MAIDS , 3½-inch pots, per 100	12.00
14,000 AM. BEAUTIES , 2½-inch pots, own roots, per 100	4.00

2-inch SMILAX, per 100 \$1.50

All plants will be shipped from Hinsdale, Ill.

BASSETT & WASHBURN,
 76 Wabash Ave. CHICAGO, ILL.

ROSE PLANTS

	Per 100	Per 1000
Pierre Notting, 2½-inch	\$8.00	\$75.00
Sunrise, 2½-inch	7.00	65.00
Golden Gate, 2½-inch	2.50	20.00
Meteor, 3½-inch	\$ 4.50 per 100; \$37.50 per 1000.	
Perle, 3-inch	5.00	45.00
Liberty, 3-inch, very fine stock	10.00	80.00

AMERICAN BEAUTY, bench plants, cut down to 12 inches high. \$5.00 per 100; \$45.00 per 1000.

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded. No plants or cuttings sent by mail. Cannot accept orders for less than 50 of a variety.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

Mention The Review when you write.

CYCLAMEN

Nothing but the best giganteum persicum, large flowered, 3-inch, ready for 4-inch, \$5.00 per 100.

Asparagus Sprengeri—From flats, ready for potting up, \$1.00 per 100; \$6.00 per 1000. 5000 for \$25.00. 2½-inch, \$1.50 per 100; \$12.50 per 1000.

SAMUEL WHITTON, 15-17 Gray Ave., UTICA, N. Y.

THE E. G. HILL CO.

Wholesale
 Florists,

RICHMOND, INDIANA.

XXX SEEDS

CHINESE PRIMROSE. Finest grown, large flowering, fringed, single and double, 15 varieties, mxd., 500 seeds, \$1.00; half-pkt., 50 cts.

CINERARIA. Finest large-flowering, dwarf, mixed, 1000 seeds, 50 cts.

PRIMULA OBCONICA Grandiflora. The finest large-flowering, 1000 seeds, 50 cts.

DAISY. Double Giant, white and rose, mixed or separate, 1000 seeds, 25 cts.

GIANT PANSY SEED.

The best large-flowering varieties, critically selected, 5000 seeds, \$1.00; half-pkt., 50 cts.

Cash. A packet of the new ever-blooming forget-me-not "Constance" added to every order.

JOHN F. RUPP, SHIREMANSTOWN, PA.

The Home of Primroses.

E. F. WINTERSON CO.

Successor to McKELLAR & WINTERSON,
45-47-49 Wabash Ave., CHICAGO.
THE MODERN SUPPLY HOUSE.

Remember we are HEADQUARTERS on all CUT FLOWERS, our mainstay.
SPECIALTIES FOR

School Closings and June Weddings

ANNUAL CLEARANCE SALE.

To close out surplus stock we will offer the following
goods at greatly reduced prices until sold. Orders filled
in rotation. ORDER QUICK TO INSURE THESE PRICES.
CASH WITH ORDER.

SPHAGNUM MOSS—Clean and fresh. 5 bales, \$4.00; 10 bales, \$7.00;
25 bales, \$16.50.

WHEAT SHEAVES—Per doz., A, \$1.40; B, \$2.25; C, \$3.25; D, \$4.50;
E, \$5.50; F, \$7.00; G, \$9.00.

RIBBONS—Best florists' satin. all colors. per bolt, No. 5, 50c; No. 9,
80c; No. 13, \$1.05; No. 16, \$1.15; No. 22, \$1.35.

CYCAS LEAVES—Best imported stock. 24-inch, \$2.00 per doz.;
40-inch, \$4.00 per doz.; 24 to 48-inch, assorted, \$15.00 per 100.

CANE STAKES—4 to 8 feet long, \$4.00 per 1000.

BASKETS—All kinds in assortments, \$5.00, \$10.00 and \$25.00. 10 per
cent. less than regular prices.

TIN FOIL—Either 5 or 7-inch. 5 lbs., 45c; 10 lbs., 80c; 25 lbs., \$2.00;
100 lbs., \$8.00.

WHITE PAMPAS PLUMES—Select stock. Per 100, \$2.50; per 1000,
\$20.00. Colored Pampas Plumes, assorted colors, per 100, \$5.00.

TISSUE PAPER—Per bundle, \$4.00.

No quantity less than those named at prices quoted.

CYCLAMEN.

Red, pink, white, white with eye, and Daybreak,
extra fine color, flowers very fragrant; no bet-
ter strain growing; \$2.00 per 100, \$17.50 per
1000; from flats, once transplanted.

GERANIUMS—The very best standards, fine
stock, in bud and bloom, 4-in. \$6.00, 3-in. \$4.00,
2-in. \$2.00 per 100. 20 per cent less by the 1000.

CANNAS—Leading varieties, 3-in. \$4.00 per 100.

ALTERNANTHERAS—Red and yellow, 2-in.
\$2.00 per 100; \$15.00 per 1000.

BEGONIAS—Gracilis and Vernon dwarfs, 2-in.
\$2.00 per 100; \$15.00 per 1000.

SALVIAS—2-in. \$2.00 per 100.

FUCHSIAS—3-in. \$4.00, 2-in. \$2.00 per 100.

VIOLETS—Marie Louise, 3-in., \$5.00 per 100.

CALADIUM—Esculentum, 5-in., \$1.50 per doz.

Stock guaranteed the very best.

C. WINTERICH, Defiance, Ohio.

Mention the Review when you write.

CANNAS.

A choice lot of standard varieties, large dor-
mant roots, or started plants, \$2.00 per 100; \$15.00
per 1000. Our selection, \$1.75 per 100; \$12.00 per
1000. Large pot plants, \$3.50 per 100.

Wagner Park Conservatories, Sidney, O.

Mention The Review when you write.

Begonia Gloire de Lorraine.

Guaranteed first-class stock. June and
July delivery. \$15.00 per 100.

S. S. SKIDELSKY,
708 N. 16th St., PHILADELPHIA.

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Always Mention the....

Florists' Review
When Writing Advertisers.

BAY TREES, PALMS

And Other Decorative Stock.

Orchids Just Received.

Fine importation of Cattleya Trianae and Phalaenopsis Amabilis and
Schilleriana, etc. Ask for prices or call and inspect stock.

JULIUS ROEHRS, Rutherford, N. J.

Bedding Plants, etc.

WATER IVY, 2½-inch pots 2.00

LOBELIA, 2½-inch pots 2.00

CUPHEA, 2½-inch pots 2.00

GERANIUMS, 3-inch pots, extra strong

plants 5.00

4-inch pots, extra strong plants 6.00

(The varieties are Bruant, La Favorite,

Double White, Commodore Nutt, King

of the Scarlets and other fine sorts.)

ASPARAGUS SPRENGERI, very

strong, 2½-inch pots 2.50

Very strong, 3-inch pots 4.00

Very strong, 4-inch pots 8.00

ALTERNANTHERAS, yellow, R. C.50

per 1000, \$4.00.

COLEUS, 10,000 rooted cuttings of Ver-

schaffeltii, Golden Bedder, Fiebrand

and other good sorts, strong and clean,

per 1000, \$4.0050

THE NEW WHITE WONDER IN EARLY CHRYSANTHEMUMS:

Estelle, Pure White, rooted

cuttings \$3.00

2½-inch pots, ready to plant, \$5.00 per 1000

This sort will prove a money-maker.

CASH WITH ORDER. SATISFACTION GUARANTEED.

CRITCHELL'S, Cincinnati, Ohio.

California and the Orient.

Increased trade with the Ori-
ent and wonderful commer-
cial activity are 1903 features
along the Pacific Coast.

Only \$33 Chicago to San
Francisco, Los Angeles and
many other California points
every day till June 15, 1903.

Via the Chicago, Milwau-
kee & St. Paul and Union
Pacific line. Three thro'
trains daily.

Folder on request.

W. S. HOWELL, General Eastern Agent,
381 Broadway, New York City.

KALAMAZOO, MICH.

Memorial week was one of the busiest in the history of the trade in this city, the quantities of plants and cut flowers sold exceeding all former years, while the trade in baskets and window boxes also made a fine gain. The weather, being good, encouraged the bedding plant trade, which is a week earlier than last year, the quantities disposed of being also greater. Most of the growers were entirely cleaned out of cut blooms and had to refuse orders from neighboring cities.

The rose and carnation cuts, while larger and of fine quality, did not cover the demand. Other stock, such as callas, white stocks and, in fact, any kind of a flower, met with a ready sale, particularly toward the end of the week.

M. F. Kyle, of the Dunkley Floral Co., reports this as a very satisfactory Memorial day trade.

G. Van Bochove & Bro., comparing it with former years, say they are considerably ahead. Prices ruled about the same as last season.

Jack Calder, of the East Side, has been doing a good trade in bedding plants, carnations and other cut flowers.

Rose planting is in full swing. The quantities to be benched will considerably exceed last season. The firms now building are preparing to increase in Beauty stock.

Carnations in the field are looking fine, the genial rains of the past ten days having done wonders for them. These will also be planted in greater quantities this year, the Van Bochove Brothers alone having 30,000 in the field for their own benching. R.

CHESTNUT HILL, PA.—Charles W. Henry is erecting a stone and iron conservatory, 22x115, costing \$3,000.

SANDUSKY, O.—Albert J. Biehl was quite badly hurt May 21 in the effort to restrain a fractious horse. His injuries were dressed at Providence hospital.

WE ACKNOWLEDGE the receipt of a copy of the proceedings of the twenty-third annual meeting of the Society for the Promotion of Agricultural Science, held at Pittsburg last June. It contains many papers of great practical value to the student of agricultural science. Prof. F. M. Webster, Urbana, Ill., is secretary of the association.

WE NEED ROOM and to close out our Surplus Stock quickly we offer for spot cash the following plants:

GERANIUMS

Red, White, Pink, Salmon — 4-inch, \$7.00; 3-inch, \$4.50; 2½-inch, \$3.50.

2-inch **Sallerol**, \$2.00. 2½-inch **Rose**, \$3.50.

3 best varieties **Ivy Geraniums**, \$5.00.

4-inch **PELAGONIUMS** in bud and bloom, \$10.00.

4 best **FUCHSIAS**, 3-inch, \$5.00; 4-inch, \$7.50.

Fine **VERBENAS**, \$2.00.

2-inch **SWEET ALYSSUM**, \$2.00.

2-inch **SALVIA** and **LANTANAS**, \$2.50;

3-inch, \$5.00.

2-inch **HELIOTROPES, CUPHEAS, AGERATUMS**, \$2.00.

2-inch **COLEUS**, extra fine, \$2.00.

ROOTED CUTTINGS, 75c.

If you are looking for stock, we can please you. Special 10 per cent. discount from above low price in lots of 1000, assorted.

Satisfaction guaranteed or money refunded. Write

GEO. A. KUHL, Pekin, Ill.,

And say where you saw this adv.

ORDER DAGGER FERNS.....



FROM HEADQUARTERS.

NEW CROP DAGGER FERNS, \$1.50 per 1000.

We would respectfully inform the trade that our New Crop Dagger Ferns are now ready and are A No. 1 quality. Be sure and order them early to avoid disappointment. Once a customer, always a customer. We carry a full assortment of **FLORISTS' HARDY SUPPLIES**, as follows:—Galax, Leucothoe Sprays, Hardy Ferns, Moss, Bouquet Green, Laurel Festooning, Bundle Laurel, etc. **Extra Choice Ferns, \$2.00 per 1000. Green and Bronze Galax, \$1.00 per 1000. Laurel Festooning, 5 and 6 cts. per yard.** We trust we shall receive your orders.

REMOVAL NOTICE. On June 1st we removed to our new location at 11 Province Street, opposite City Hall.

HENRY M. ROBINSON & CO., 11 PROVINCE ST., BOSTON.

Telephone 2613-2 Boston.

Chrysanthemums.....

Rooted cuttings, \$1.50 per 100; 2½-inch pots, \$1.00 extra per 100. Opah, Willowbrook, Polly Rose, Robinson, Mayflower, Weeks, Fee du Champsaur, Princess Bassaraba, T. Eaton, Jerome Jones, Monrovia, Parr, Halliday, Appleton, Park, Bonaffon, Golden Wedding, Golden Beauty, Lady Harriett, Glory of Pacific, Helen Bloodgood, Dalskov, Mrs. Perrin, Chadwick, Mary Hill, Murdock, Calvat, Malcolm Lamond, Mlle. Liger and Yellow Eaton, 50c each, \$5.00 per doz.

BOSTON FERNS—2½-in. \$6.00 per 100, 3-in. \$10.00 per 100; 7-in. \$1.00, 8-in. \$1.25 each; 9-in., \$1.50 each.

GERANIUMS—In bud and bloom; S. A. Nutt, Marvel, Mrs. E. G. Hill, Jean Vliad, Bruant, Mme. Chevellere, Alp. Ricard, Beaute Poitevine, etc., 4-in., \$6.00 and \$8.00, 5-in. \$15.00.

CANNAS—Fine large plants in 4-in. pots ready for immediate planting, \$8.00 and \$10.00 per 100; Burbank, Elliott, Henderson, McKinley, Vaughan, Crozy, etc.

ALTERNANTHERAS—Red and Yellow, 2½-in. \$2.50 per 100.

COLEUS—15 varieties, 2½-in. \$3.50 per 100, 3-in. \$3.50 per 100.

ROSES—2,000 2½-inch Bride Rose Plants, \$3.50 per 100.

Cash or C. O. D.

W. J. & M. S. VESEY, - FT. WAYNE, IND.

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SPECIAL Clearing Sale.

The following stock is strong plants from 2½-inch pots, in bud and bloom, and must be moved at once, at half price.

12,000 Verbenas—15 mammoth varieties, labeled, \$1.00 per 100; \$9.50 per 1000.

8000 Petunias—Dreer's Double Fringed, 10 novelties, labeled, \$1.50 per 100; \$14.00 per 1000.

3000 Ageratums—P. Pauline and Stella Gurney, \$1.25 per 100; \$12.00 per 1000.

3000 Feverfew—Little Gem, \$1.25 per 100; \$12.00 per 1000.

2000 Alyssums—Dbl. Giant, \$1.25 per 100; \$12.00 per 1000.

5000 Fuchsias—4 leading sorts, \$1.50 per 100; \$14.00 per 1000.

1000 Marguerites—White and yellow, \$1.50 per 100.

Geraniums—Jean Vliad, S. A. Nutt, E. G. Hill, Mme. Buchner and Alp. Ricard, \$2.25 per 100; \$20.00 per 1000. CASH.

The W. T. Buckley Plant Co., Springfield, Ill.

Mention the Review when you write.

CLEANING UP TIME

Some Low Prices on Some Good Stock. 2,000 fine thrifty **GERANIUMS**, 3-in., \$3.50 per 100; 3½-in., \$5.00; 4-in., \$6.00. Elegant stock, splendid value.

VERBENAS, Henderson's Mammoth, \$1.50 per 100. NOT SEEDLINGS.

VINCAS, for stock or vases, 2½-in., \$2.50 per 100; 3-in., \$4.00. VERY FINE.

CANNAS, Mme. Crozy, Florence Vaughan, Chas. Henderson, Queen Charlotte, Flamingo, Austria and mixed yellow, large 4-in. very strong, coming in bud, \$6 per 100.

COLEUS, 12 choice varieties, 2-inch, \$2.00 per 100.

TUBEROUS ROOTED BEGONIAS, 4-in., in flower, \$7

Retail at 25c each.

ROSES, Maids, Gates, Perles, \$1.50; Ivory, \$2.00.

Strongly rooted cuttings.

W. H. GULLETT & SONS, Lincoln, Ill.

Don't You Forget



SIEBERT'S ZINC NEVER RUST GLAZING POINTS

are positively the best. Last forever. Over 8000 lbs. now in use.

A sure preventive of glass slipping. Effective on large or small glass. Easy to drive, easy to extract.

Two sizes, ¾ and 1, 40c a lb.; by mail, 10c extra; 7 lbs. for \$2.50; 15 lbs.

for \$5.00, by express. For Sale by

Vaughan's Seed Store, Chicago & New York

Henry F. Michell..... Philadelphia

W. C. Beckert..... Allegheny, Pa.

Livingston Seed Co..... Columbus, Ohio

Schlegel & Fottler..... Boston, Mass.

J. M. McCullough's Sons..... Cincinnati, Ohio

Carneal & Davis..... Richmond, Va.

Chas. T. Siebert, Station B, Pittsburg, Pa.

KIND WORDS NEVER DIE.

Bellevue, Pa. Chas. T. Siebert:—Please book my order for 100 lbs. of Zinc Never Rust Glazing Points. I have used five different kinds in the past 12 years, and none of them gave me satisfaction like yours. They will stay in, are easy to drive, no rights or lefts, will hold the glass in place, and do not rust away like all others I have used. Your Zinc Points are easy to take out when making repairs. I have used about 100 lbs. of your Zinc Points in the last two years, and I am perfectly satisfied with them.

Yours truly, F. BURKI.

Cleveland, Ohio. Chas. T. Siebert:—In our 25 years' experience with glazing points of all kinds, I can say your zinc points are the best to date.

CHAS. H. WILSON, Mgr. for Grant-Wilson Floral Co.

Lockland, Ohio. Chas. T. Siebert:—I must say the Zinc Points have given great satisfaction. I have over 100 lbs. on my houses, and feel justified in stating that they are the best point on the market.

Yours respectfully, W. K. PARTRIDGE, Florist.

Mention The Review when you write.

CUT FLOWER BOXES.

WATERPROOF. Corner Lock Style. The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No. 0....3x4 x20...\$2.00 per 100; \$18.00 per 1000

" No. 1....3x4½x16... 1.75 " 15.00 "

" No. 2....3x6x18... 2.00 " 18.00 "

" No. 3....4x8x18... 2.40 " 22.00 "

" No. 4....3x5x24... 2.75 " 25.00 "

" No. 5....4x8x22... 3.00 " 27.00 "

" No. 6....4x8x28... 3.75 " 35.00 "

" No. 7....6x16x20... 5.50 " 55.00 "

" No. 8....3x7x21... 3.00 " 29.00 "

" No. 9....5x10x35... 6.50 " 60.00 "

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

The Livingston Seed Co., Columbus, O.

Box 104. Mention The Review when you write.

BULL-DOG HOSE.

Have YOU tried it. 7-ply, fully guaranteed, any length, ¾-inch, 16 cents per foot.

U. CUTLER RYERSON, 108 Third Ave., - - NEWARK, N. J.

BEDDING STOCK.

WE HAVE TO OFFER A FINE LOT of the following
SPRING BEDDING STOCK.

	Per 100
Geraniums in bloom, best bedding sort, 4-inch.....	\$8.00
Vincas, variegated, 4-inch.....	8.00
Vincas, " extra bushy, 4-inch.....	10.00
Vincas, " 5-inch.....	12.00
Mme. Sallerol, 2½-inch.....	3.50
Mme. Sallerol, 3-inch.....	5.00
German Ivy, 3½-inch.....	6.00
Ivy Geraniums, 4-inch.....	10.00
Grave Myrtle.....	8.00
Grave Myrtle, extra large clumps.....	10.00
Pansies, best strains.....	2.50
Feverfew Little Gem, 3½-inch.....	5.00
Alternanthera, red, green, yellow.....	3.00
Alyssum, dwarf, 3-inch.....	4.00
Lobelia, 2½-inch.....	3.50

	Per 100
Nasturtiums, single and double, 3-inch.....	\$4.00
Cobaea Scandens, 3-inch.....	8.00
Dusty Miller, 3-inch.....	5.00
Double Petunias, 4-inch.....	8.00
Verbenas, assorted colors, 3-inch.....	3.50
Salvia Splendens, 3½-inch.....	6.00
Salvia Splendens, 4-inch.....	8.00
Ageratum, blue and white, 3½-inch.....	6.00
Fuchsias, best varieties, 3-inch.....	5.00
Fuchsias, " 4-inch.....	8.00
Snowflake Daisy.....	3.50
Heliotrope, 3-inch.....	4.00
Heliotrope, 4-inch.....	6.00
Castor Bean, 3-inch.....	8.00
Marguerites, white and yellow variety, 3-inch.....	6.00

	Per 100
Marguerites, white and yellow variety, 4-inch.....	\$8.00
Calceolaria plants in bud and bloom.....	15.00
California Moss plants.....	6.00
Cannas—Bouvier, Henderson, Mme. Crozy, Egandale, Florence Vaughan, Queen Charlotte, 4-inch.....	8.00
Coleus—Firebrand, John Goode, Her Majesty, Verschaffeltii, Golden Bedder, 2½-inch, \$3.50; 3-inch.....	5.00
Dracaena Indivisa, strong plants for vases, 5-inch.....	\$5.00 per doz.
Caladiums, good, strong plants for vases, 4-inch.....	\$1.50 per doz.

PLACE ORDERS EARLY.

Take Notice. All plants are shipped by express only and without pots. If shipped in pots packing boxes will be charged at cost. If ordered shipped by freight they travel at buyer's risk.

C. C. POLLWORTH CO., - Milwaukee, Wis.

Mention the Review when you write.

SURPLUS STOCK.

	Per 100
4000 Marechal Niel Roses, 2½-in, nice stock.....	\$3.50
2000 Clothilde Soupert Roses, 2½-in.....	3.00
2½-in.....	3.50
1000 Champion of the World Roses (Mrs. Degraw), 2½-in.....	3.00
3000 Coleus, assorted, strong, 2½-in.....	3.00
500 Clematis Jackmani, strong, 4-in.....	15.00
500 Begonia Vernon, 2½-in. pots.....	3.00
1000 Geraniums, E. H. Trego, 2½-in.....	6.00
4-in.....	10.00
2000 Geraniums, assorted, 2½-in.....	3.00
4-in.....	6.00
3000 Hardy Perennial Phlox, fine named, 2½-in.....	4.00
Salvia St. Louis, 2½-in.....	3.00
Ageratum Stella Gurney, 2½-in.....	3.00
1000 Hydrangeas Hortensia, Thos. Hogg and Mariess, 6-in. pots, \$12.00 per 100; 4-in. pots, \$8.00 per 100; 2½-in. pots.....	3.50
Moonvines, 2½-in. pots.....	3.00

Phoenix Nursery Co.,

1215 North Park Street,

BLOOMINGTON, ILL.

Mention The Review when you write.

Dracaena Indivisa,

4-inch pots, 10c; 5-inch pots, 20c.

Sprengeri—4-inch pots, 15c.

Canna—Dwarf Mix., 4-inch pots, 6c.

Umbrella Plants—4-inch pots, 8c.

Stevia and French Daisy—3-inch pots, 3c.

2½-inch pots—Solanums Ciliatum, Capsastrum and Amazonium, E. Crocker Carnation, Pink and Blue Hydrangea (Genista large flowering), White Bonaffon Chrysanthemum, fine strain of Fuchsia and Egg Plants, 3c. Vinca Major, 5c. All well established, clean plants. CASH.

M. F. LaROCHE, Collingdale, Pa.

Mention the Review when you write.

Asparagus Sprengeri!

3, 3½ and 4-inch pots, at \$4.00, \$5.00 and \$7.00 per 100 respectively. Ready to shift.

Carnation Cuttings as long as they last, cheap.

Price upon application.

JOHN BROD, - - Niles Center, Ill.

Mention the Review when you write.

Clearance Sale.

GERANIUMS

Strong plants from 4-in. pots, \$5 per 100

450 S. A. Nutt, 250 Merle Blanc, 200 Jean Vlaud, 65 Le Gaulois, 45 Jean Madeline, 325 Mme. Landry, 25 Villa de Poitiers, 225 America, 65 Precusur, 235 Mars, 250 Mme. Charlotte, 85 Eben E. Rexford, 60 Little Pink, 25 J. J. Harrison, 65 Mme. Jaulin, 400 Hubert Charron, 110 La Favorite, 25 M. A. Ricard, 80 Ryecroft Pride, 80 Beaute Poitevine, 125 Mrs. E. G. Hill, 45 Marquis de Castellane, 275 Marvel, 275 Mme. Buchner, 35 John Doyle.

1000 Pelargoniums

4-inch pots, \$8.00 per 100.

A splendid opportunity for stocking up for another season. 2½-inch pots, \$4.00 per 100. Our selection.

Miscellaneous.

800 SALVIA SPLENDENS.

2½-inch pots, \$2.50 per 100.

500 SANSEVIERA ZEYLANICA,

2-inch pots, \$2.50 per 100.

500 BEGONIA MANICATA AUREA

2½-inch pots, \$5.00 per 100.

Nathan Smith & Son
ADRIAN, MICH.

Mention the Review when you write.



Cannas

Well Established, Pot-Grown of the following kinds:

Shades of Red—Duke of Marlborough, Chas. Henderson, I. Montel, Mme. Crozy, Sarah Hill, S. Buchner, Scarlet Queen, S. de Antoine Orozy, Beaute Poitevine, J. D. Elsie, A. Bouvier, Antoine Chantini, Paul Marquant.

Shades of Yellow—Canary, Burbank, Austria, Duchess de Montmort, Florence Vaughan, Grand Rognon for foliage only, best red leaved Canna for effect.

Purchaser's choice, \$4.00 per 100.

Our choice, \$3.50 per 100. Address

R. S. BROWN & SON,
BOX 335. KANSAS CITY, MO.

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THE REGAN
...PRINTING HOUSE...

Nursery...
Seed...
Florists'... **Catalogues**

87-91 Plymouth Place, Chicago.

BEDDING PLANTS

in fine condition, ready for delivery or shipment. Cash with order.

	Per 100
Alyssum—Giant, double and dwarf, 2-in.....	\$2.00
Snap Dragon—white, 2-in.....	2.00
Ageratum—Stella Gurney, Princess Pauline and dwarf white, 2-in., \$2.00; 3-in.....	4.00
Alternanthera—Red and yellow, 2-in.....	2.00
\$18.00 1000; R. C., 50c 100, \$4.00 1000.	
Cannas—In var., 3-in.....	6.00
Coleus—In var., standard and fancy, 2-in.....	2.00
Feverfew—Little Gem 3-in., \$5.00; 2-in.....	2.00
Geraniums—Standard var., 4-in., \$8.00; 3-in., \$5.00; 2-in.....	2.50
Geraniums—Mme. Sallerol, 3-in., \$6.00; 2-in.....	2.50
Fuchsias—3-in., \$5.00; 2-in.....	2.50
Heliotropes—Best dark, 3-in., \$5.00; 2-in.....	2.50
Ivy—German and Kenilworth, 2-in.....	2.00
Ice Plant—2-in.....	2.50
Lantanas—3-in., \$5.00; 2-in.....	3.00
Lemon Verbenas—2-in.....	3.00
Moonvines—2-in.....	2.00
Petunias—Dbl. fringed, 3-in., \$5.00; 2-in.....	2.50
Saxifraga—2-in., \$3.00; R. C.....	1.00
Stevia—Var., 2-in.....	2.00
Salvia—3 var., 3-in., \$4.00; 2-in.....	2.00
Tradescantia—(Wandering Jew), var., 3-in., \$5.00; 2-in.....	2.00
Verbenas—Best var., 2-in., \$2.00; 2½-in.....	3.50
Asters—In var., transplanted.....	1.00
Gypsophila—Paniculata.....	1.25
Sweet Williams—Fall-transplanted.....	1.25
Centaurea—Dusty Miller, 2-in.....	2.00
Cobaea—Scandens, 3-in., \$6.00; 2-in.....	3.00
Lobelia—Compacta and Speciosa, 2-in.....	2.00
Pyrethrum—Aureum, 2-in.....	2.00
Daisies—Double, mixed, in bloom.....	1.25
Umbrella Plants—4-in., \$8.00; 3-in., \$5.00; 2½-in.....	2.50
Pansies—Florists' International, in bud and bloom, 1000, \$15.00; smaller plants, 1000	10.00
Many other varieties and sizes in stock.	

VEGETABLE PLANTS.

Celery—Transplanted.....	.30
Pepper—Transplanted.....	.35
Rhubarb—Lumps.....	5.00

Wholesale price list on application.

LUDWIG MOSBAEK, So. Chicago, Ill.
8500 ANTHONY AVE.

Mention the Review when you write.

VERBENAS

IN BUD AND BLOOM.

2½-inch pots, \$2.50 per 100; \$20.00 per 1000
3-inch pots... 3.00 per 100; 25.00 per 1000

J. L. DILLON,
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JOLIET, ILL.

The President's Reception.

Everyone in town is busy preparing for the reception of President Roosevelt, who is due here on Wednesday of this week (that is, everyone with the exception of James Hartshorne and crew, reasons given below). This is the present President's first visit to Joliet, which of course makes it more interesting to all. Charlie Shepard, gardener to Colonel John Lambert, is to decorate the President's car. He will use Roosevelt color carnations and American Beauties, as well as some specimen Pierisoni ferns, which he regrets to see go, as no doubt they will have to suffer, but Mr. Lambert says there is nothing too good for Roosevelt. L. L. May & Co., of St. Paul, wired the Chicago Carnation Company on Monday for 5,000 carnations, which were shipped at a moment's notice. These were undoubtedly used in connection with the President's visit to that city.

Peony Time.

James Hartshorne and his three crews of help, from the Chicago Carnation Company, the Higinbotham estate and the Chicago Peony Farms, respectively, are now hustling with the ten-acre peony crop. As yet they have not lost a flower and have been getting at wholesale as high as \$1.50 per dozen for such varieties as Lady Bramwell, Festiva Maxima, Rubra Superba and other novelties. They are now shipping by the car load, using refrigerator cars for the purpose. This is the first step in this direction in history and should be the only practical way to handle such an immense quantity. The refrigerator cars run direct to cold storage buildings in various cities where the peonies are kept until the markets are ready to receive them.

A visit to the peony farms now is worth anybody's time, though all intended for market are cut in the bud as tight as an American Beauty rose. But the batch of 15,000 to 20,000 seedlings, among which are some that will surely displace the best present-day sorts, is a sight fit for the gods. Of course there are a great many single varieties. Even blooms of these have been in strong demand at 50 cents per dozen. The best of these will be saved for forcing purposes. Mr. Hartshorne says they force nearly as quickly as valley when one knows how to handle them.

Notes.

Charles Zeigk is back at his old stand, the Spot Cash corner.

Joseph Labo and Johnson & Carlson were practically cleaned out of flowering plants for Memorial day. The former gentleman had as fine a lot of hydrangeas as we have seen in many a year.

Aaron T. Pyfer, bookkeeper for the Chicago Carnation Company, has recently joined the ranks of Benedicts. It came as a surprise to his many friends in and out of the trade. The young lady was a Miss Gertrude Ingersol, daughter of an old and respected family of Joliet.

Two weeks ago the great cry was for rain. Now it is the reverse; we are getting too much of it.

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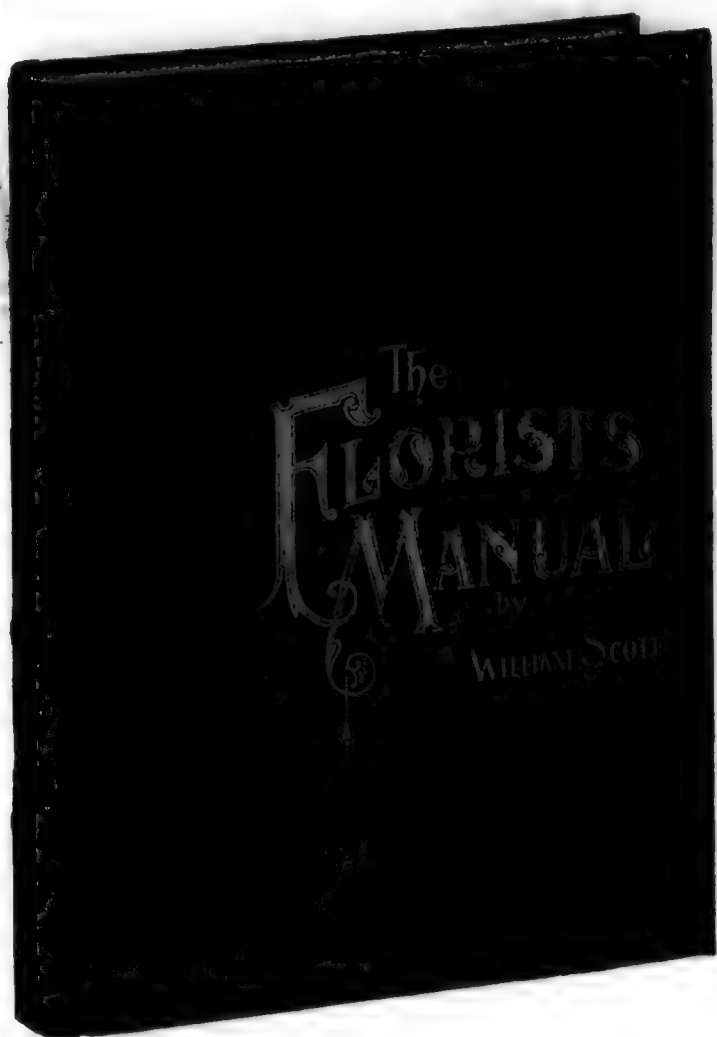
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Ferns
Fertilizers
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Fittonia
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INDEX TO ADVERTISERS.

This index covers only those having displayed
advertisements. There is a host of others mak-
ing offers in our classified ads. and they will be
found there under their proper headings.

Allen, J. K.54
Am. Woodenware Co.78
Amling, E. C.51
Aschmann, Godfrey.52
Baker, W. J.53
Ball, G. D.55
Barnard & Co.41
Bassett & Washburn
.....56-72
Baur Co., S. A.41
Bayerdorfer & Co.42
Beckert, W. C.69
Beneke, J. J.58
Bentley & Co.56
Berger, H. H. & Co.42
Bernheimer, E.53
Berning, H. G.57
Bobbink & Atkins.70
Bonnot Bros.54
Bowe, M. A.58
Bradshaw & Hartman.54
Brant & Noe.71
Breitmeyer's Sons.52-58
Brod, J.75
Brown & Son, R. S.75
Bruna, H. N.56
Buckley Plant Co.74
Budlong, J. A.56-70
Buettner, E.55
Burpee, W. Atlee &
Co.69
Caldwell Co., W. E.78
Caldwell The Woods-
man Co.53
California Carnation
Co.69
Century Flower Shop.58
Chapin Bros.58
Chicago Carnation
Co.41
Clarke Bros.58
Clarke's Sons, David.58
Classified Ads.60
Cottage Gardens.69
Cowes, W. J.56
Crabb & Hunter.75
Crichtell's.74
Crowl Fern Co.59
Cooke Co., J. J.76
Cunningham, J. H.52
Cushman Gladiolus
Co.69
Dearborn Engraving
Co.59
Dietsch, A. & Co.79
Diller, Caskey & Co.78
Dillon, J. L.70-75
Dillon Greenhouse
Mfg. Co.80
Dorner, F. & Sons Co.71
Dreer, H. A.63-72-80
Dudley & Son.59
Dunne & Co.72
Eickholt, Mrs. Chas.58
Ellis, F. M.57
Florists' Hall Asso.69
Foley, J. J.54
Foley Mfg. Co.79
Foster, L. H.59
Frost, J.72
Garland, Geo. M.80
Garland, Frank.56
Gesler & Drury.52
Gasser Co., J. M.58
Geller, Sigmund.42
Ghormley, W.54
Giblin & Co.80
Gibbons, H. W.59
Good & Reese Co.71
Greenhouse Mfg. Co.80
Gude & Bro. A.58
Gullett & Sons.74
Guttman, A. J.55
Hammond, J. A.54
Hancock, Geo. & Son.69

Hauswirth, P. J.58
Heacock, Jos.58
Herr, A. M.53
Herrmann, A.53
Hicks & Crawbuck.55
Hill Co., E. G.72
Hippard, E.76
Hitchings & Co.78-79-80
Holton & Hunkel Co.57
Hunt, E. H.42-56-69-76
Igoe Bros.76
Jacobs & Son.78
Johnson & Stokes.53
Jurgens, Aug.56
Kasting, W. F.41
Kellogg, Geo. M.57
Kennicott Bros. Co.41
Kramer & Son.79
Kreshover, L. J.55
Kroeschell Bros. Co.80
Kuehn, C. A.57
Kuhl, Geo. A.56-70-74
Kentucky Tobacco
Product Co.76
Lager & Hurrell.58
Lange, A.58
La Roche, M. F.75
Larkin Soap Co.79
Lecakes & Co., N.55
Limbach, O.76
Livingston Seed Co.74
Loomis Floral Co.55
Lord & Burnham.80
Ludemann, F.69
McConnell, Alex.58
McCullough's Sons.57
McManus, James.54
Mackintosh.58
Manhattan Supply Co.51
Michigan Cut Flower
Exchange.53-57
Millang, O.54
Moninger Co., J. O.79
Moon Co., W. H.69
Moore, Hentz & Nash.54
Mosback, L.75
Moss, Isaac H.55
Muno, John.56-70
Murphy, Wm.57
Nanz & Neuner.51
National Florists'
Board of Trade.55
N. Y. Cut Flower Co.54
Niessen, Leo.53
Park Floral Co.58
Parker-Bruen Co.79
Pennock, S. S.52
Perkins, J. J.55
Phoenix Nursery.75
Philadelphia Whole-
sale Flower Market.55
Pierson, A. N.55
Pierson, F. A.52
Pierson Co., F. R.41-2
Pierson-Setton Co.80
Pittsburg Cut Flow-
er Co.53
Pittsburg Rose and
Carnation Co.52
Poehlmann Bros.52-4
Pollworth Co.75
Quaker City Machine
Works.80
Randall, A. L.54
Rawlings, E. I.59
Rawson & Co.69
Reed & Keller.42
Regan Ptg. House.75
Reid, Edw.53
Reinberg, Geo.56-71
Reinberg, P.56-72
Rice, M. & Co.42
Riedel & Co.54
Robinson & Co.74
Rock, W. L.59

Roehrs, Julius.73
Rupp, J. F.72
Ryerson, U. C.74
Salter, W. H.73
Saltford.58
Saltford, Geo.54
Sampson, Wm.56
Samuelson, C. A.59
Sands, W. B.52
Schmitz, F. W. O.43
Scollay, J. A.80
Scott, John.72
Scott, W.58
Seattle Floral Co.58
Sheridan, W. F.54
Shibley.58
Siebert, C. T.74
Siebrecht & Son.58
Siewers & Boland.58
Sinner Bros.56
Skidelsky, S. S.73
Smith & Son, N.75
Smith Co., W. & T.59
Stern, J.42
Stewart, S. B.58
Stoothoff Co., H. A.76
Stumpp & Walter.69
Swanson, Aug. S.58
Thorburn, J. M. & Co. 53
Tobacco Warehouse-
ing & Trading Co.76
Traendly & Schenck. 55
Van Horne, Griffen
& Co.79
Vesey, W. J. & M. S.74
Vincent, Jr. B. & Son. 67
Virgin, U. J.58
Wagner Park Con-
servatories.78
Walker & Co., F.58
Weathered's Sons.80
Weber, F. H.58
Weber & Sons.55
Weiland, M.58
Weiland & Risch.56
Whetstone & Co.79
Whitton, S.72
Wiegand & Sons.59
Wieler Bros.56
Winterich, C.73
Winterson Co., E. F.73
Wittbold Co.58
Wilks Mfg. Co.78
Young, John.54
Young, J. W.53
Young & Nugent.54

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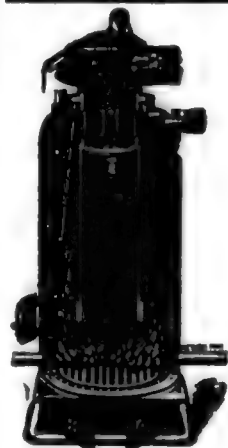
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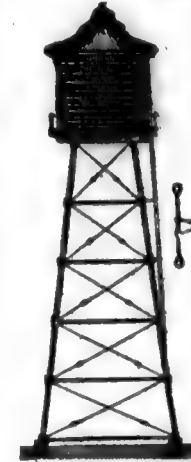
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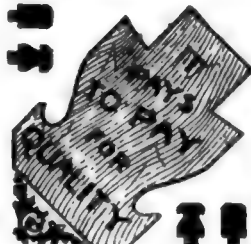
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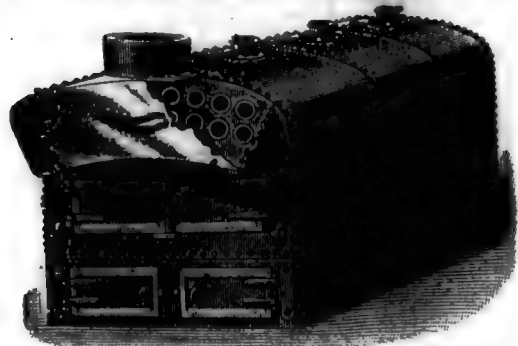
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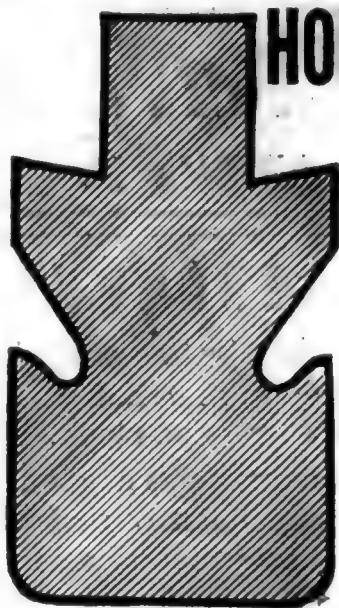
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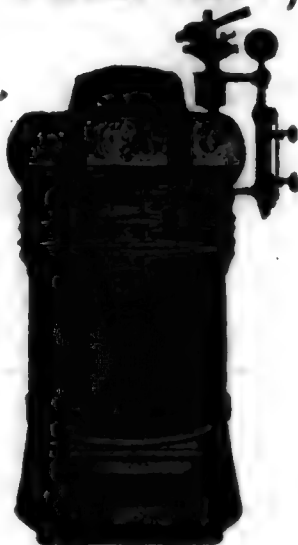
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CHICAGO AND NEW YORK, JUNE 11, 1903.

No. 289.

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SEE OUR ADV. OF
Nephrolepis Piersoni
ON PAGE 82.

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MISCELLANEOUS SEASONABLE HINTS.



Stock for the Future.

As soon as your customers' flower beds and gardens are filled you have time to think about your own stock—some to give you cuttings in the fall and something for next winter's use—and a word or two about these will be seasonable. It may appear late for some, but the man who grows bedding plants seldom has time to prepare for his future crops before the middle of the month.

Chrysanthemums.

If you have any call for chrysanthemums in pots in October and November, they should be planted on a bench in four or five inches of soil in the full light of an unshaded house. Plant them fifteen inches apart, and for this purpose choose late propagated plants that are now growing freely and about need their first "stop." These will make much better plants than those that were propagated three months ago. When they have made a growth they will need one more pinching and by the end of August will be bushy plants. If watered over night they will lift from the bench without losing a fiber and make lots of growth after being lifted. Very sorry to say that few of these pots of mums sell with us nowadays, but they may somewhere, and this is the way to do it. About the last week in August is the time to lift them from the bench. Few varieties are suitable for making a small, compact plant. Choose varieties that make a short, bushy growth. Ivory and W. H. Lincoln cannot be equaled in their colors for this purpose, but there are others.

Azaleas.

You should soon put your azaleas out in the field. Years ago it was thought best to give them the shade of trees or some artificial shading, but that is not what they want. Plunge them to the rim of the pots in refuse hops, old rotted manure, tan bark or some material easy to handle. If liberally supplied with water twice a day on hot, sunny days and given a good spraying every evening they will grow finely, and you will notice that although you may give them plenty of room when you first plunge them out, they grow and crowd before September. So give them plenty of room, and make up your mind to give them a stand-over in August. *Acacia armata*, *metrosideros* and old plants of *cytissus* can be plunged under the same conditions, and don't have these plants standing on ground that is liable to retain water, for you have to water heavily and we get heavy rains. Don't put young *cytissus* out of doors. Plants propagated last winter will do better shifted on and kept under glass. These plants are very liable to be troubled with red spider, so spray them often.

Hydrangeas.

Hydrangeas are grown in different ways. If you want large plants for next year, choose some of the plants that have the least flower now. Cut the

growths back about half way to the pot and put three plants into a tub and stand out of doors. With heavy, rich soil and water in abundance you will have fine tubs for next spring, but remember that they become white elephants if you don't sell them and that they are considerable trouble in winter. Young hydrangeas propagated in the winter might have been planted out two or three weeks ago, but it will do now. These are what make the 6-inch pot plants for next Easter. Give them a good, rich soil within reach of the hose. Some growers may have them in 4-inch pots now and plunge them out in frames and later shift them into 6-inch. Yet I think the best blooms are those produced by the plants that are put into the ground and lifted in October. They need only one stopping after being rooted, but that has been done some time ago.

Stock Plants.

Another class of plants are those that you want a few of to produce cuttings next winter. Such are the lemon verbenas and the lantana. A dozen plants of each in 4 or 5-inch pots plunged out in a frame will give you plenty of cuttings next winter, and they lift poorly when planted out. Plant out a few of everything that you find necessary to your business and don't trust to your neighbor's helping you out, or to getting a few cuttings from your customers. If you do, you are liable to have bother. Of many of our common bedding plants you need but very few. Of such plants as *salvias* and *ageratums*, half a dozen plants lifted in the fall will give you all you want; while there are others, and notably the *zonale geraniums*, that you must plant out in quantity or you cannot have a good stock to sell next spring.

Put out plenty of the glorious old *geraniums* and not too great a variety. This year in our city the two varieties in greatest demand are *S. A. Nutt*, deep scarlet, and *Francis Perkins*, pink. Everybody wants them. A big lot of half a dozen of the best varieties of *geraniums* is infinitely better than the same quantity in twelve or twenty varieties. The sweet person who wants to walk through and select one each of a dozen varieties can then be dispensed with. If you disappoint them it is not serious. But the one who wants 200 plants for one bed is worth catering to. I suppose all are worth accommodating, yet I see this spring the same old weakness—thousands of *geraniums* that the people don't want occupying space that would give what they do want. Give your stock *geraniums* lots of room; fifteen or eighteen inches is close enough, and then you will get good, hard cuttings.

Plant out plenty of spring struck *vincas*, both the variegated and green. They are the great standby for boxes and vases. The English ivy planted out now will make a good plant by fall and can be lifted, potted and put beneath a bench in winter. They are good for vases

and for windy and exposed places, but our customers think they are stiff, and so they are.

Besides the great and important carnation, which is so important that I hope you don't neglect it for anything else, and which with most of us are growing in the field, there are a few other things to plant out. The sweet *stevia* (*S. serrata*) can't be dispensed with, at least by many of us. Give it not over rich soil or it will grow too rank, and plant it two feet apart each way. It needs two or three pinchings during the summer. It is much less labor planted out than grown in pots, and it is the only species of the *stevia* and *eupatoriums* worth growing; the rest are too cheap looking.

Bouvardias, which may still be in 2½-inch pots, should have the best and richest piece of loam in the garden. The little, slim growth they have made since they were propagated from the tiny pieces of root does not amount to anything. They will make strong growths from beneath the ground, which is the flowering wood for next winter. It pays well to water the *bouvardias*. I am no advocate of this outdoor watering unless done with discretion and gumption. There is about as much harm as good done with this foolish and useless sprinkling. Hoe, hoe, hoe in dry weather if you can't water, and if you can water them once a week, such plants as *bouvardias* may get a soaking, and then before the ground is baked hoe them and leave them all alone for another week. This sprinkling without hoeing is far worse than drought.

WILLIAM SCOTT.

CHRYSANTHEMUMS.

Single Stem Pot Plants.

Single stem pot plants, in 6-inch pots, are one of the most attractive features of an exhibition when well grown. I notice the C. S. A. makes a fair provision for them in its prize list for this fall, and they are always much in evidence at the Philadelphia show. While some growers propagate their stock toward the end of May for this style of pot plants, any time in June is really early enough if one has good cuttings; in fact, I prefer a June cutting, because if propagated too soon the plants get too tall, and the lower foliage dies away, leaving a bare stem next the pot. The ideal plant has foliage hanging over the pot and right up to the flower and is not over two feet high. The official scale of points in judging this class gives a preference, if I recall correctly, to plants under three feet in height.

Varieties that grow dwarf and sturdy are best adapted for this work. In the novelties *Marie Liger*, *C. J. Salter*, *Mrs. T. W. Pockett* and *Lord Salisbury* can be depended on, if their growth last year is anything to go by. Among the standard sorts *Robinson*, *Nellie Pockett*, *Appleton*, *Bonnaillon* (if you can still get it good), *Merza*, *Vivian-Morel* and *E. J. Balfour* can all be depended on. One of the prettiest sights I ever saw was a batch of *Merza* at an exhibition last year. They were not over a foot high, each plant the same height, and each flower apparently cast in the same mold.

It has often occurred to me that there ought to be money for the florist who grows and sells his own stock over the counter in handling this particular class

of plant. The average chrysanthemum plant one sees in the stores is carrying a dozen or more small flowers, and is conspicuous mainly on account of its bare stems, which are rendered still more noticeable by being tied to thick bamboo stakes. Mark Twain's description of a cocoanut palm as a "feather duster struck by lightning" is applicable in some degree to the mum plants one sometimes sees in the establishments of our "best" florists. Contrast these tall, leggy, ungainly plants with a dwarf plant in a 6-inch pot, with the foliage of the plant almost hiding the pot and crowned by a good-sized flower and there can be no question as to which plant the average customer would prefer.

If you have any small plants lying around that are hard and stunted and dried out, don't pot them up, thinking that they will make good plants for 6-inch pots once they get to growing. They hardly ever hold their foliage well, as the stem gets too hard and woody. Get the suckers that spring up out of the soil from the old plants, where possible, because these cuttings will, on many varieties, grow right along and not produce a bud before the end of August, at which time the bud can be taken, and then you have a perfectly straight stem. If earlier rooted plants are topped in June and the tops used for cuttings for the single stems, these cuttings will nearly always produce a bud in July or early August and then it is not so easy to keep the stem straight where the plant "breaks" again.

The main thing to observe in growing single stemmed plants is to keep them moving nicely right along and never let them get pot bound or dry at the roots. Pot into 2½-inch pots from the cutting bench and from that to the 6-inch pot as soon as the roots are nicely through the soil all around. Keep the plants inside all summer, where you can control the water supply; otherwise in showery weather leaf spot will be found troublesome. Caterpillars must be kept off and also the festive grasshopper, if the foliage is to be kept perfect, and perfect it must be to win. A point not to be forgotten, also, is that these plants, owing to their restricted root area, need much more feeding with liquid manure than plants set out in a bench.

BRIAN BORU.

SEASONABLE VIOLET NOTES.

The most seasonable thing that we have had hereabouts is rain. It commenced last night and has been coming down ever since in nice showers that go right in as they should, and if ever we needed rain it is now, as we have had a seven weeks' drought—fifty-one days, to be exact—and crops of all kinds are about ruined. I mean the hardier kinds, grass, grain, etc., to say nothing about violets, carnations, etc., which were not established in the ground. Of course those that were planted in the house were under our control as regards the watering; still, even then, they do not do as well when the air is dry and dusty as they do when it is normal. One thing that we have to take especial care about is that the red spider does not get a foothold in such weather, and extra attention should be given in strongly spraying the under sides of the foliage with the water from the hose, so that the spider will have no opportunity to get a start, as in all things an ounce of prevention is worth a pound of cure.

As you wish all the strength of the plants to go into good, strong crowns, you must go over them frequently, cutting off the runners as soon as started, and this work, as I have before stated, should not be left to the "boy," but given to an older person of judgment. A good deal of injury can be done by a careless, incompetent grower in many ways, one of which is pulling more or less on the plant and disturbing it, as of course it has not taken hold hard enough as yet to stand much of this treatment. Another is cracking stems of leaves and so injuring their breathing capacity, etc.

If the plants are in the house be sure to have on all the ventilation that is possible, so as not to grow them tall and soft; and good judgment must also be used with the shading on the glass, for the same reason; still you want enough shading to keep the house as cool as possible. The plants out of doors, I presume, you have planted where they can get the shade from trees or rows of higher plants, or in lack of this, lath screens, unless you have a very moist piece of ground especially adapted to violets.

The drier the weather the oftener the

cultivator should be run through them, and this is just what is liable to be omitted, as the weeds do not start so freely and we are apt to think it is not needed; but this is a great mistake, as, if they are cultivated every day, you will be astonished to see how moist it keeps the ground underneath and how the loose, dry earth on top keeps the moisture in.

I presume some have not yet been able to get the houses planted. If so, do not hurry so that the house is not properly prepared. Give them six inches of new, fresh soil, which has previously been worked over and gotten in good shape, and then see that the plants are in good shape and not thrown into the soil in a rough, haphazard manner. They should be trimmed up, leaving only one or two fully developed leaves on them, so that there will not be as much leaf surface to evaporate moisture and so dry out the roots before they have an opportunity to take a hold.

R. E. SHUPHELT.

HYBRID ALPINE IRIS.

Mr. W. J. Caparn, St. Martins, Guernsey, England, has raised some very interesting iris hybrids and sends us some photographs of what he calls his new hybrid Alpine iris, which are reproduced herewith.

The one showing a house of this iris in bloom in January and February will probably be of some interest to our readers as indicating what may be done in the way of forcing this race of irises. Mr. Caparn says it readily responds to the forcing treatment, and the plants may be had in bloom either before or after Christmas, from November onwards.

The plants in the house illustrated were lifted and boxed in October and a slight heat put on the house in mid-December. The plants bloomed through January and February, and some flowers were cut till the end of March. The plants were then planted out in the open and afterward grew into flowering stock again the same year. Mr. Caparn says that if the plants had been boxed in September they would have bloomed for Christmas.

CARNATION NOTES—EAST.

Cleaning the Houses.

After the old soil has been removed, the benches should be thoroughly cleaned. Sweep out all soil left in cracks and corners, follow with a heavy syringing with the hose, next apply a light coat of wood ashes and with an old broom scrub the bottom and sides, finishing with another syringing.

When nearly dry every part of the bench which will come in contact with soil should receive a coat of whitewash. If you whitewash both inside and outside, so much the better. Slake the lime by adding just enough water to cover it and when violent boiling begins add more water gradually, as required, to prevent burning, in the end producing a somewhat thick solution. Before boiling ceases add two pounds of powdered sulphur to ten gallons thick wash, stirring well. Apply at once, thinning with water (hot is preferable) to the required consistency to spread easily.

As soon as a house is finished, close every door and ventilator, fumigating by burning brimstone. This comes in sticks or rolls and can be easily broken up,



Forced Hybrid Irises.

using about two pounds in a 100-foot house, dividing the amount into say six pot saucers and distributing evenly about the house. Plants of every kind should have been previously removed and the fumes kept in about 24 hours. A house so treated is practically free from all insect pests and fungous germs.

If the whole interior, exclusive of the whitewashed surface, can then be painted, a long step toward a new house will have been taken.

Filling the Benches.

In my notes of May 14 on soil for indoor culture, Mr. Baur evidently misunderstood my meaning in regard to the use of bone meal, for I use a small quantity in benches prepared to receive field-grown plants, but the article in question had reference to plants grown in pots outside in frames and housed in June. I confess my error in not stating the point more clearly.

There are several methods employed by growers in the filling of benches. Some put a layer of manure on the bottom, using soil containing more or less manure, with or without bone. Others use no manure at the bottom, but use soil laid up with manure the season previous, with or without the addition of bone, and so on in various ways.

I do not believe any one method can be advocated as the ideal, except it be when but one variety is grown, for what will suit one sort will not give the best results with another. I have made many experiments in this line, but, with the advent of so many new sorts, with which I have not had the time to carry them through, I will only give facts concerning a few now largely grown.

I have found horse manure to be preferable to any other to put on the bottom of the bench, but by all means do not use the well-rotted kind. Procure some that is comparatively fresh, giving it two or three turnings, seeing to it that it is kept wet the while and put on at once. This spread on the benches in a thin layer and at once covered with soil has given us the very best results with Mrs. Bradt and Floriana. Crane does not seem to take kindly to it. Lawson having done exceedingly well without it, we have let well enough alone, as is also the case with White Cloud and Nelson. I think Estelle would give good returns under this method and intend to try it next season.

Speaking of manure, I will say I prefer that from the cow on account of its lasting qualities, but let no grower who is unable to obtain it, think for a minute that carnations cannot be grown to an equal degree of quality with horse manure. The trouble lies in the fact that it is not properly handled, at the source of supply, to preserve its value as a fertilizer. I am obliged to use a certain amount for the reason that cow manure is scarce and very expensive on account of the distance it must be hauled, but by careful attention to its treatment where that from the horse is obtained, and shutting my ears to the much-exalted virtue of that which is offered as being well rotted, we get along very nicely.

Coming to the actual filling of the benches, a few points of importance come to mind, the main one being to so handle the soil that a bench will, when filled, have the same degree of density throughout. The dumping of soil here and there in heaps by all hands, to be spread and leveled later is not to be thought of.



Hybrid Alpine Iris.

Without knowing the arrangement of your houses, it is not possible to lay out any fixed plan, but I can say to keep the men and wheelbarrows out of the bench and provide runways on which to transport the soil. We fill in layers, spreading the first few barrow loads evenly over six to eight feet of bench with a short-handled rake. The same operation is repeated until that section is even full. Bone meal is sprinkled over the bottom layer, using about a 3-inch potful to three barrows of soil.

Have enough help inside to level it as fast as the soil is delivered, also see that the soil and manure are evenly incorporated before being carried in. Those inside, by intelligent manipulation of the rake, can distribute the soil in such a manner that no tramping over it will be necessary nor should it be allowed.

I do not believe in filling a bench today and planting it to-morrow. Commence early enough to allow the newly filled benches to lie at least a week before planting. By this plan the soil gets into a more settled condition, numerous weed seeds sprout and can be easily destroyed by a thorough raking, at the same time improving the mechanical condition of the soil. A slight watering on the third or fourth day will help the weeds along and also leave the soil in the proper condition to plant.

GEORGE S. OSBORN.

BURLINGAME, CAL.—P. C. Meyer is preparing to build a large range of greenhouses here to grow cut flowers for the San Francisco market.

BATAVIA, ILL.—C. O. Williams has decided to again embark in the florist business and is building on Water street.

ROSES.

Seasonable Hints.

To carry a house of roses successfully and profitably over a second season requires a deal of careful preparation and study. This is usually delayed until the early fall or, at least, till the earlier planted young stock is giving a crop. This, of course, largely curtails their growing season, as it requires from three weeks to a month between the time of growing, then a rest, and starting them up again.

To derive the best results from this method of culture preparations should be started in June or early in July. By reducing the supply of water at the roots they will begin to ripen both wood and foliage, and stop making new wood. While this is being done the syringe will have to be used as frequently as before, as allowing the foliage to become a prey to red spider does not in any way help the ripening process, but rather retards it, yet how often do we see a house at this stage entirely neglected in this respect?

Air must be given freely, both night and day, as this is a great factor in hastening the ripening. The soil in the bench must not be allowed to become so dry as to cause the young wood to wilt nor to cause the plants to shed their leaves. It requires from three weeks to a month to complete the ripening process even in the brightest kind of weather.

The plants should then be carefully pruned, removing all the small and blind wood and cutting back the stronger growths to three or four eyes. As much of the old soil as can with safety be taken from between the plants should be carefully removed and

a sprinkling of air-slaked lime put over all the exposed surface. A good rich mulch should then be spread over the bench to replace the soil taken away.

To encourage the breaking of the dormant eyes near the base of the stems the stronger canes should be bent horizontally and tied in that position. The bench should then get a thorough soaking and the house be kept rather close for the first week. Syringing the plants every bright morning and afternoon will also help the eyes to break, increasing the amount of ventilation as the leaves develop.

This method of culture has been employed successfully in Beauty growing by some growers during the past few seasons, the stock thus treated giving a larger per cent of medium length stems than young stock does. Personally, I have a penchant for well-handled young stock in preference to the best-handled, carried-over stock that I have ever seen.

Grafted stock can also be treated by this method, the chances of success being equal to stock on its own roots.

RIBES.

TRouble WITH ROSES.

I inclose a few leaves of my rose plants on which are little green worms with eight or ten legs. They are thick on the young growth of both roses, chrysanthemums and carnations. What is the trouble with the roses and how shall I get rid of the worms? P. J. K.

The trouble with these roses is a bad dose of mildew. The leaves also give evidence, by their texture, of having been grown in too high a temperature and in too close an atmosphere. To subdue the mildew dust the foliage with sulphur, using a good distributor, so that each leaf will get a dusting. Before applying the sulphur close the ventilators tight and keep them closed for half an hour or so. This should be done twice a week, selecting bright, sunny days for the operation. If there is any necessity for firing do not lose the opportunity to paint the pipes in spaces six feet apart all over the house with the following mixture and close the ventilators when the heat is turned on: Sulphur, two parts; air-slaked lime, one part; mix to the consistency of paint.

The worms were undistinguishable when I got them. No doubt they belong to the tribe of leaf rollers. By persisting with the Persian insect powder they will surely disappear. A mixture of Paris green and air-slaked lime in the proportions of one part Paris green to fifty of lime well mixed and applied to the under side of the foliage with a blower will also destroy them.

Reduce the night temperature of the rose houses to 58 degrees or as near to that mark as the season will permit, and keep the day temperature below 80 degrees if you can. Ventilate freely night and day.

RIBES.

BENCHING ROSES' LATE.

How late can I bench roses to get a good crop for next winter? What size of plants shall I use? L. R. A.

To get a good crop of high-grade blooms for winter, roses should be benched not later than June. Where this cannot be accomplished, the plants should be shifted into larger pots, so that they may not receive a check. Keeping the stock in a growing condition till they are benched is of more importance than actual size. To derive any profit from them during the winter months the plants must have at least ten weeks in which to grow and this will necessitate planting some time in August, the earlier the better.

RIBES.

MOLES AND MICE.

Would Mr. Scott or some other friend tell me how to get rid of the ground mice, which are very destructive. They cut the roots of grape vines and eat off geraniums, peas, carnations, pansies, parsley, etc. As they work under ground, you can't see them, but they are little, dark fellows, with stumpy tails like moles. I have poisoned corn and planted it among the plants, but it has had no results.

A. H.

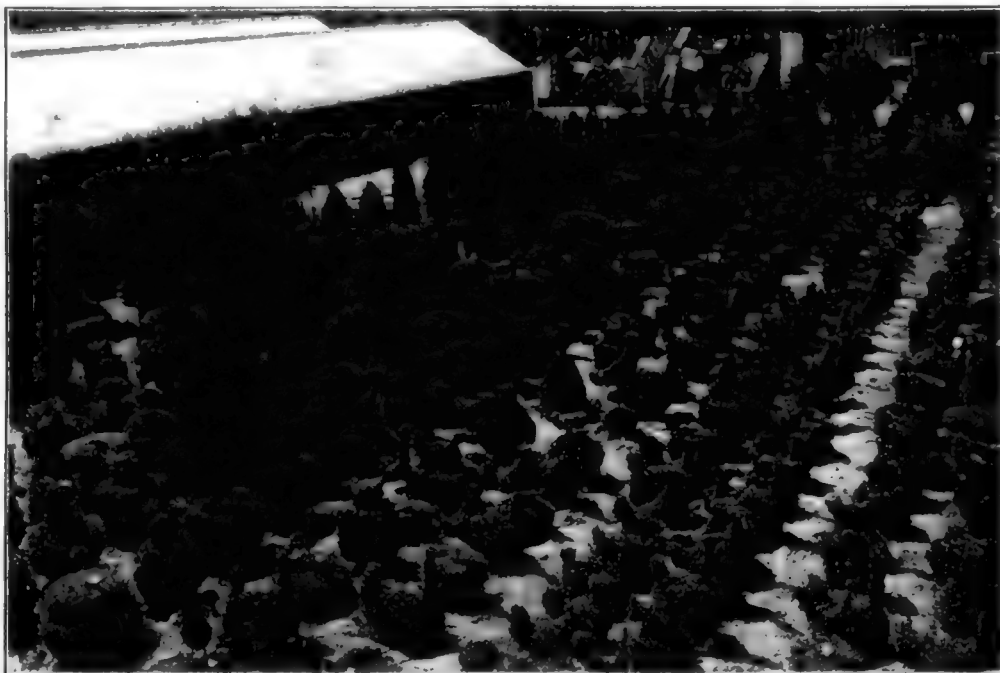
I could have returned this query with the simple remark, "I don't know," but I want, myself, to know about these numerous little rodents, and there seems by the above to be some confusion as to their name or what they are. We well remember the European mole, a short, broad, little fellow with a nose

like a hog and only rudimentary eyes, and a beautiful soft, black fur. Many a one I have skinned for his hide. The village mole catcher in the rural districts of England is paid by the parish, and is as useful, if not so ornamental, a personage as the village parson. We also have moles in North America, more common, I believe, in the southern than northern states, and they are not identical with their European cousins. We have had them in the violet houses for the past two years, and they "raised Cain" with the soil among the plants, but, so far as we could discover, did no harm to the plants, because the mole is carnivorous. His food is worms and grubs that he finds in the soil. Their extermination is desired in this country and in the "auld sod" because they heave up unsightly mounds of earth, often in the finest lawns. So much for the mole, and I shall not believe that he will eat roots or leaves of any plant until someone better informed lets me know.

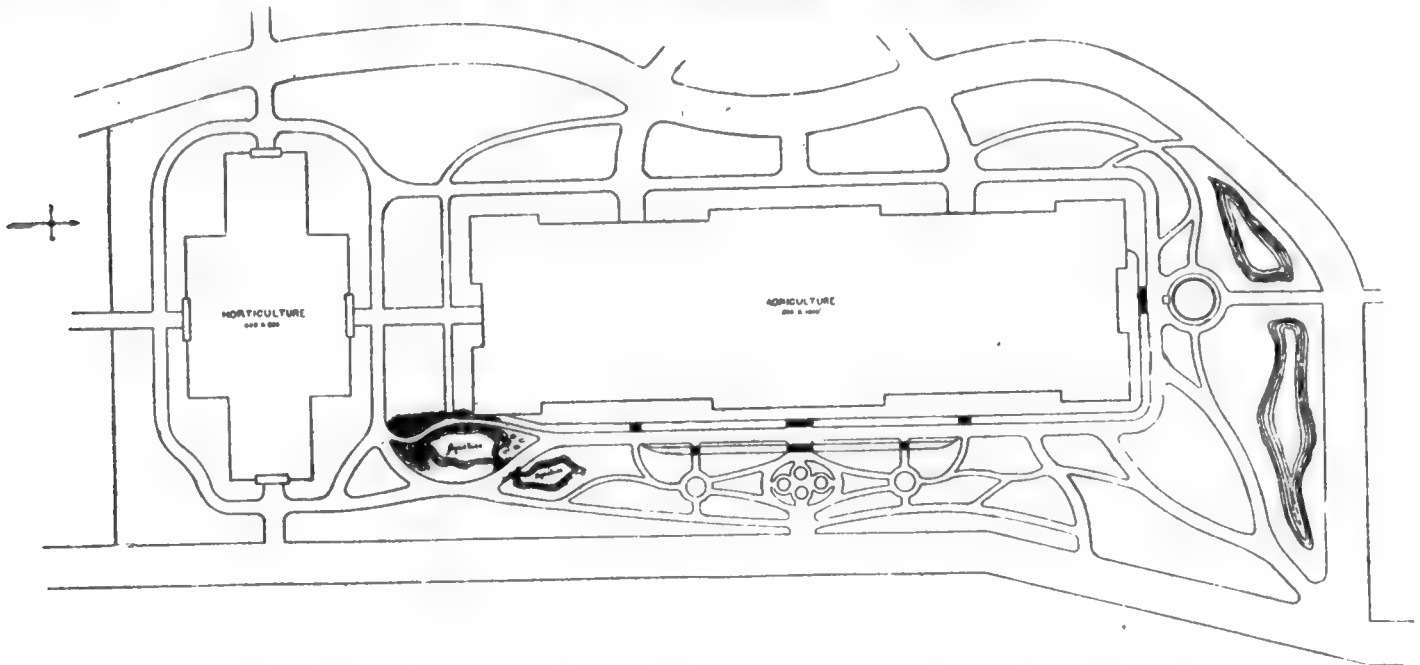
Now for the field mouse—a very different creature. We will start off by calling him a devil, although his tail is more abbreviated than that of the orthodox devil that we used to have described to us in our young and innocent days. The field mouse that is such a trouble and worry to us is about twice the weight of a house mouse, small ears, short tail and large, bright eyes. They burrow in the ground; in fact, they keep house there, but come up to feed on any green stuff that can be found. We never see them in the summer time, because they have the fields to roam in, but as soon as hard frost sets in they find their way into the houses. Young carnations are their choicest morsels, and one healthy mouse will pinch or "stop" a hundred young plants in a night, only they "stop" them rather short.

Like all the rats and mice, they cut off far more than they devour, just to keep their teeth in good order. They are most destructive and troublesome to get rid of. If they would eat woodcock sandwiches or drink champagne we might doctor those dainty articles, but they are strictly vegetarian, and, while toasted cheese will make a house mouse desert his wife and family, it has no fascination for our enemy. They will, however, for a change, sample a little corn meal occasionally, and a little of that sprinkled on a small spring trap will lure them to destruction. The trap we use is a little flat wooden contrivance, and when they step on it a wire falls down on their backs and gives them a fashionable waist.

We have poisoned them by putting arsenic with the meal, but you must be very patient over the job. For a week at least you must put down nothing but pure meal, and don't put it on a plate, saucer or piece of wood or glass, for mouseie will know directly that the banquet is spread for him and will decline with thanks. Just drop it carefully on the edge board or on the soil. They will take a nibble and find it harmless. Then they will eat a little more and cultivate a taste for it, as we do for tobacco and, well, most anything but milk, which is our first and natural food. After a few good feeds Mr. Mouse will tell his wife, children, mother-in-law, uncle and aunt that the meal is all right, that they need not be afraid, etc., and so they all get a liking for the change of diet, and when you find the meal disappearing nightly is your time to add a little arsenic, and



A Portion of Bobbink & Atkins' Clipped Box Specimens.



Plan of the Horticultural Section of the Grounds at St. Louis World's Fair.

several mice have departed to the happy hunting ground.

This article is already long enough, longer even than Burns' address to the mouse, the manuscript of which, if it is in existence, would be worth several thousand dollars. But I would just like to say that in the economy of nature things are pretty well balanced. One creature preys and feeds on another and keeps the equilibrium fairly poised. It is, however, certain that during the remarkable ages of the past countless types of animals have lived, flourished and passed away, and those now on earth we will for brevity's sake call the "survival of the fittest." So things were not all made perfect at first. It would be a very humdrum, melancholy world if all were perfect now. So in the extermination of the field mouse the economy of nature would not receive a solar plexus. At the same time it is essentially proper that we, as gardeners and farmers, should have insects, fungi and rodents to fight. It keeps us going, rewards the watchful and alert, and, as David Harum says, "It's good for a dog to have fleas, 'cause it reminds him he's only a dog."

WILLIAM SCOTT.

ST. LOUIS WORLD'S FAIR.

The accompanying plan shows the arrangement and position of the buildings to be devoted to agriculture and to horticulture at the Louisiana Purchase Exposition, to be held in St. Louis in 1904.

The Palace of Horticulture is on the summit of Skinker Hill, and is separated from the Palace of Agriculture by 250 feet of model landscape gardens. The building is 400 by 800 feet, and is in the form of a cross with a center pavilion, 400 feet square, and two wings, each 204 by 230 feet. The wings are divided from the center pavilion by glass partitions and the floor of each is nine feet lower than that of the center pavilion. This difference in elevation produces a monumental effect, which is further heightened by the use in the main entrance on the north front of two towers 150 feet high.

The east wing of the building is almost entirely of glass and will be used as a conservatory. A water-heating plant is to be installed in the cellar. The west wing is used for general horticultural exhibits. In the basement of

this wing cold storage is provided for the fruit to be exhibited. A gallery is provided on three sides. The west and north galleries will be used as restaurants, and the southern gallery will be used as offices for the working force of the department. The center pavilion will contain the fruit exhibits.

The construction of the building shows no change from the accepted method of the other buildings. The exhibit spaces are covered by trusses, which range in span from 72 feet over the center aisle to 48 feet over the side aisles. The horticultural building is one of the few which are to be tinted.

"A WOMAN'S HARDY GARDEN."

I have read with deep interest fragments of a book for amateurs published last fall by MacMillan & Co., of New York. In its way it is as valuable a book as "Scott's Manual." Even to the expert florist it will prove interesting reading, possibly instructive on some points. The title is "A Woman's Hardy Garden," written by Helena Rutherford Ely and beautifully illustrated with photographs taken in her garden, which appears to be in New York state, probably on the North river.

I see my horticultural friends smile when they have read thus far and ask whether "Phil" is really advocating "old woman's gardening." Not in the sense in which they mean it—experiences with ash-heap plants that sprouted, geraniums that lived suspended by their roots in the cellar all winter, and that sort of thing—but in its broad sense I am an advocate of all gardening, whether by woman or man, old or young. Every amateur who cares for plant life will do something to help business.

To return to the book, it gives a graphic description in remarkably clear language of the successes and failures of a hardy garden. The owner has not had the aid of a pane of glass to help in starting her plants or growing them on. They are chiefly perennials and biennials, with some annals and bulbs. She evidently has had money at her command, but much could be done, as she points out, with far less expense.

There are some cultural notes in the book that will startle our experts as much as did Mr. MacMillan's effects in

green or his grace of York's essay on watering, but it may do them lots of good, and no harm can come from the fresh ideas and from seeing ourselves as others see us.

The real value of the book to the florist is to put it in the hands of his customers; it will show them what amateurs like themselves have done and spur them on to fresh efforts. The florist who works with his customers to produce effective hardy gardens, be they large or small, will build up his own business on a firm foundation. PHIL.

STEVIA SERRATA AND COMPACTA.

Will you kindly tell me how and when to propagate *Stevia serrata*? What is its season of bloom? Also answer the same questions in regard to *Stevia compacta*. I suppose they can be grown for a succession of blooms.

SOUTHERN FLORIST.

It seems like going back to the honeymoon days to mention *Stevia serrata* or *compacta*. I have mentioned in my scribbles many times the useful *S. serrata*. Its culture is most simple and it is rather too rank a grower. Plants that were cut down at Christmas and New Year's for their bloom should be cut off evenly (just for sake of tidiness) to within six inches of the pot. Put them in any cool house above freezing. In March they will send out any quantity of cuttings which root like a scandal and want only the coolest house until planting out time. Just here let me say that *S. serrata* thrives in a few degrees above freezing, but like the cineraria, wants none of it. Plant them out at the end of May, two feet between the plants. They will want pinching about twice during the summer. Lift them before danger of frost, and they will want 6, 7 or 8-inch pots. Of course, when potting them you will put them in the shade and keep them there until they have begun to grow in the pots. Now comes the real and only point in growing this common plant. You want the flowers at Christmas and New Year's. The feathery and light flowers many times fill a place with really artistic people that even a vase of American Beauty roses would not do. The great object with us in the north is to keep

them from flowering until December, and therefore we keep them out of doors as long as possible, protecting them from early frosts and letting them have the full sunshine and beautiful outdoors until the last possible moment. You can treat *S. compacta* just the same, but it is not worth growing. We have outlived such poor, gray, stiff, formal flowers. I heard within a day or two that florists in Baltimore (I mean, of course, the market variety) helped out their bouquets with the panicles of wild carrot. Why not, as long as there is a dollar in it? A drowning man grasps at a straw.

WILLIAM SCOTT.

NEW YORK.

Club Meeting.

The regular meeting of the club Monday evening brought out thirty members. W. F. Sheridan presented an elaborate report from the transportation committee, including letters from several railroads, relating the advantages of the various lines as routes to the "famous" convention city. The route via Chicago, with stop-over there, had already been decided upon. The discussion enlisted the oratorical talent of Messrs. Sheridan, O'Mara, Beaulieu, Butterfield, Wheeler, Manda and Troy and a vote showed a decided preference for the West Shore, but the decision was left to the committee. Arrangements will probably be made whereby the party can leave New York Sunday morning and be in Chicago Monday. The outing committee presented a program of sports showing prizes enough to send every competitor home happy. July 1 is the date and Mr. Traendly reported a big sale of tickets. He asks that every one who has not accepted the tickets sent will communicate with him at once if he expects to be present, for the committee must make dinner arrangements. The committee has worked hard and is entitled to every consideration. Hospitable letters from J. F. Sullivan and the Detroit Florists' Club were read, inviting the eastern delegation to visit Detroit enroute to the convention. They were referred to the transportation committee. Resolutions on the death of F. L. Harris were presented by W. A. Manda and J. H. Troy. A splendid exhibit of peonies was shown by C. W. Ward, of the Cottage Gardens, and Chas. Lenker, of Freeport. Mme. Perret and mixed pansies were shown by Beaulieu, of Woodhaven. The committee, Messrs. Plumb, O'Mara and Lenker, awarded a certificate of merit to Mr. Ward for his grand pink, No. 130, honorable mention to Mr. Lenker for a beautiful dark pink called Fragrance, and a vote of thanks to Mr. Beaulieu. This gentleman also showed a hose roller of his own invention on which he has applied for a patent. Mr. Engreen, of Woodhaven, was elected to membership. The nominating committee was named by President Troy and consists of W. F. Sheridan, A. Burns, P. O'Mara, Wm. Plumb, J. N. May and J. H. Taylor. The club has had a very good year. The next regular meeting is the second Monday in October.

Various Notes.

The first meeting of the bowlers was called for Tuesday evening at the alleys at Broadway and 31st street, with Capt. Lang in charge. A good team for Milwaukee is assured and

steady practice will be kept up until August, most of the old members participating.

Dunne & Co., at 54 W. 30th street, report a very satisfactory season in rustic work. At their city workshop, 507 W. 21st street, and their factory at Rondont, they are working to the full capacity. They claim to be the largest manufacturers of rustic work in the U. S.

John A. Scollay is erecting complete an iron frame greenhouse 25x175 for Chas. Weber, of Lynbrook, L. I., heating to be with the Scollay boiler.

The long drought has greatly affected the peony crop, both as to quality and quantity, and the end of the cut is rapidly approaching.

At last, after nearly two months of most calamitous drought, the spell is broken and the generous rain is here. The whole east rejoices in the welcome downpour and for nearly forty-eight hours the good work has been going on.

The genial western ventilator man, of Richmond, Ind., J. A. Evans, honored this village with a call last week and is quite enthusiastic as to the Milwaukee convention, predicting the largest attendance on record.

W. E. Marshall, whose debut we announced last week, will not only do a seed business but will deal in nursery stock, bulbs and all kinds of horticultural supplies.

W. C. Krick, of Brooklyn, will spend a well earned holiday with his family in the Catskills early in July, visiting later the convention city with his usual exhibit and some of his late inventions. Mr. Krick is proud of a gold medal and diploma just received from Rome, Italy, and awarded at the exhibition held there in 1902.

P. St. John, assistant superintendent of parks in New York City, who was transferred from Brooklyn in December last, died last week of appendicitis. He was a great favorite with all who knew him, generous and genial, and his loss is regretted by a large circle of friends and horticultural associates.

Siebrecht & Son are cutting some fine cattleyas from their orchid houses in New Rochelle. Their new building, corner of 38th street and Fifth avenue, will soon begin to rise. It will be a "white palace" when completed, six stories in height and 61x125, with window boxes on every side, and bays and immense palms on the roof, making it the most unique and handsome establishment of its kind in the world.

The Rosary, in its new store and conservatory on 34th street, already looks at home and the display inside of topiary novelties and a special importation of bays and Japan horticultural novelties is most interesting. Mr. Troy, the president of the company, leaves for a two months' trip to Europe June 27, visiting England, France, Italy, Holland and Belgium (and Ireland on the side) and combining business with pleasure.

Mr. Ward, of Hagemann & Co., left on Friday last for Europe, his first trip to the land of the valley.

American Gardening, after a six weeks' rest, is again in the field in a new dress and under new control, Leonard Barron retaining his position as editor, a place he has occupied since 1893, and also assuming the management of the paper for the new proprietors, Messrs. Thos. B. Meehan, of Philadelphia; Charles L. Yates, of Rochester;

James McHutchison, of New York City, and D. W. Wittpenn.

June weddings are not as numerous as the retailers could desire and yet there were sixteen of them last Wednesday in and around New York among the "600," which were fairly well apportioned among the leading florists. Mr. McConnell reports three of them and an abundance of steamer work. The bouquets for the Pruyn wedding at Albany, sent by this house, were of white orchids and valley and white peonies. Their decoration for the Miner wedding was very handsome, many arches of sweet peas being the prominent feature of an artistic piece of work, with white peonies on the pews and in the chancel. Mr. McConnell also had the Granger wedding, where Parsons' rhododendrons were much in evidence.

Thomas Young, Jr.'s, Fifth avenue store had charge of the Hazen wedding at Pelham Manor on Tuesday of this week. He has the Fyfe wedding. The bouquets will be lily of the valley and white orchids. July 15 Mr. Young has the contract for the Brownell-Merrill wedding at Hubbardsville, near Syracuse.

J. AUSTIN SHAW.

GRAND HAVEN, MICH.

Death of George Hancock.

George Hancock, one of the pioneers of Ottawa county and senior member of the firm of George Hancock & Son, florists, died June 6. Mr. Hancock had been in poor health for the past year, but his indomitable will kept him up and about his duties until two days before his demise, when his condition became serious.

Mr. Hancock was born in Devonshire, England, April 27, 1818. He was married in 1846 to Joan Howard, and Mr. and Mrs. Hancock came to New York in 1849. They came on to Michigan in 1865, settling at Spring Lake, where he became engaged in the lumbering business, operating a mill on the site of the present mineral springs near the Spring Lake Hotel.

He removed to Grand Haven in 1877 and has been a resident of this city ever since. Mr. Hancock always led an active life and was prominent in carrying forward any enterprise that might lead to the improvement of the community. He was one of the first men in Michigan to introduce the cultivation of celery in this state. His first experiments with celery were made as early as 1866. On account of his poor health and the consequent necessity of an outdoor occupation, Mr. Hancock took up the business of raising fruits and vegetables in 1872. Later he added the floral department to his establishment and his success in these lines was remarkable. For years his son, James G. Hancock, has been associated with him under the firm name of George Hancock & Son. The carnation was one of their specialties.

Mrs. Hancock died on January 31, 1894, and Mr. Hancock is survived by his son, James G. Hancock, junior member of the firm; his daughter, Mrs. Frank O. Bury, of Detroit, and seven grandchildren. The funeral was held from the late residence on Washington avenue Monday afternoon at 3 o'clock.

ANN ARBOR, MICH.—James Goodhue will build a rose house 22x120.

CHICAGO.

The Market.

Local demand is very light this week, but the country is buying fairly well. In fact, it would be called a week of good shipping but for the fact that some of the best towns have been cut off by the flood, including Topeka, Kansas City, St. Louis and southwestern points. From Thursday of last week up to Tuesday the express companies refused Kansas City shipments and in several cases goods which had been forwarded were returned two or three days later. St. Louis was accessible only by way of Cairo on Monday and Tuesday and even Nashville was refused on Monday. This has hurt the value of shipping stock to a certain degree.

The peony is pretty nearly the whole thing this week; it is the height of the season. There is a great deal more of this stock in market than ever before, but up to the present very good prices have prevailed, and it looks as though the increased demand for this flower would take up the supplies as well as in former years, unless the quantities going into cold storage should prove unwieldy at the close of the season.

Some good Beauties are offered, also extra Liberty, Chatenay and Meteor, with a few good Kaiserin. Brides and Maids are poor but plentiful. Carnations are nothing to brag about, but there are plenty of them, also valley, gladioli, Harrisii and all the odds and ends.

Various Notes.

A good many carnations have been going to waste this spring, possibly more than ever before. One reason is that the basket men are not on the curb to work off the poor grades; the Greek indoors is as fastidious as anybody in times of plenty. But another reason for the loss of stock can be laid to the growers themselves. Many of them ship only twice a week, which is bad practice at any time and particularly so when stock is plentiful or soft. On a recent afternoon a shipment of 400 Prosperity was noted from a grower who had not been heard from for three days. Had he shipped 100 each day he would have received a good price, but as it was there were so many sleepy flowers that the whole lot was practically valueless. The rule should be to ship every day; the better price for fresh stock will far more than make up for any increased express charges.

Some very good peonies have been coming in from Bryant & Son, of Princeton, Ill. They have a very fine soil, but, like many who do not make cut flowers a large feature of their business, they do not appreciate the care necessary to put the goods on the market in the proper shape, and the wholesaler has to put a good deal of work on the stock to get anything like the right value for the crop.

The Hanna wedding at Cleveland made a call for good stock Monday. Bassett & Washburn shipped Smith & Feters 1,500 white peonies among other items.

Kennicotts have had Canterbury bells this week, but found little call. The peony occupies the center of the stage just now.

Robert Northam, of Weiland & Risch, and Miss Robinson were married on Wednesday evening. They will be in

Wisconsin for a month on their wedding trip.

E. C. Amling is getting in Beauties from the young stock of the South Park Floral Co.

John Zeck, of J. A. Budlong's, has been at Peoria this week, attending a convention of Foresters.

W. N. Rudd, at Mt. Greenwood, has planted one house of Ivory chrysanthemums and next week will plant two houses of carnations, one of Phyllis and the other of Lawson and its white sport.

The Florists' Club trustees have rented the hall at 417 Handel Hall. This is the room in which the club met a couple of years ago and was all that was to be had for Wednesday nights.

This is visitors' week at Peterson's Nursery, the peonies being in bloom.

A. Dietsch has returned from his winter in Mexico and the southwest. He is much improved in health.

Sinner Bros. have a field of 30,000 plants of Mrs. Lawson in fine shape.

Wietor Bros. are getting a particularly good cut of Meteor and Kaiserin.

Although there has been a big trade in bedding plants, W. N. Rudd, at Mt. Greenwood, reporting an increase of 25 per cent, many of the growers have considerable stock on hand, particularly geraniums.

Walter Kreitling will move, eventually, because the city has condemned the building in which his store has been located for years.

Chas. Balluff has been doing two weeks on jury and says it will take two weeks more to get rested up.

Visitors: C. O. Williams, Batavia, Ill.; Oscar Soderholm, formerly with A. N. Pierson, Cromwell, Conn.

Bowling.

Next Tuesday evening will finish the schedule of thirty games. A meeting will be held after the finish of the games by the ten members qualifying to determine on a final schedule to select the team for Milwaukee. Tuesday's score follows:

Player.	1st.	2d.	3d.
G. Stollery	209	110	171
F. Stollery	178	156	179
C. Pruner	154	124	161
C. Balluff	188	140	223
P. J. Hauswirth	121	172	170
W. Kreitling	114	111	105
E. F. Winterson	178	156	147
Jno. Sterrett	153	111	161
G. Scott	130	185	202
A. Newitt	143	119	192

PHILADELPHIA.

Business is much quieter this week than last; in fact, it is a trifle disappointing. The quantity of roses coming into town is enormous. One grower with two 150-foot houses planted with Brides and Maids sent in 1,600 blooms on Monday. Many others cut nearly as well proportionately. Carnations are not so much overdone. There is a fair demand for the good stock, of which there is a moderate supply. The best seen come to Pennock from H. Weber & Sons, Oakland, Md. Prosperity and Genevieve Lord are superb, giving evidence of the advantages of culture and cool mountain air during the summer months. Sweet peas, outdoor grown, are daily becoming more plentiful. They are in fair demand, as also are valley. Lilies, both Harrisii and candidum of good quality, with long stems, can be had in quantity. Both smilax and asparagus are in demand. Gladioli don't seem to sell. Mignonette is over.

The June meeting of the Florists'

Club, held last week, was well attended and interesting. The paper on pipe read by Walter Whetstone was worthy of a good deal of thought by the growers. A discussion followed. Then matters pertaining to Milwaukee in the future and to Morrisville next week were taken up (I hope you are going on both trips), which was followed by a lively debate. The bowlers, with the handsome trophy won for the second time in the league tournament, feel that now is the time to make the alleys of regulation length. The members generally want to do as the bowlers wish, but thought the change necessary in the club room unwise and voted against it.

Notes.

Wednesday, June 17, 8 a. m., steamer Riverside leaves Chestnut street wharf for Trenton, thence to Morrisville to visit the nursery of Samuel C. Moon.

W. E. McKissick and Miss Bessie Chaundy were married Wednesday evening. Mr. McKissick is well and favorably known as right hand man to Leo Niessen. His friends, and they are many, wish bride and bridegroom health, wealth and happiness.

Robert Craig & Son had the decoration for the wedding of A. J. Cassatt's daughter on Monday. Harrisii lilies, American Beauties and plants were used.

Stephen Mortensen is sending some extra fine tea roses to S. S. Pennock.

J. J. Habermehl's Sons are sending some nice, long-stemmed Harrisii lilies to the Flower Market.

William J. Baker is receiving the first Lilium candidum which I have seen here this season.

The June meeting of the Germantown Horticultural Society was held on Monday evening in Association Hall. It was rose night. Some fine displays were made, though the season is far advanced. Joseph Meehan read a good paper on pruning shrubs.

Bowling.

Eighteen players have entered the contest for places on the team of seven—six regulars and one substitute—who will represent this city in the tournament at Milwaukee in August. Twenty-one games will be rolled by each competitor, three each evening for six evenings on neutral alleys and three on the final evening on the home alleys. Wednesday has been selected as play night, although the excursion to Morrisville may make it necessary to choose another evening for next week. The REVIEW is indebted to Captain George M. Moss for the first night's scores. In each game the seven players having the high scores take one point each. The seven players with the largest number of points will form the team. This is believed to be an improvement on last year's method of choosing, as every game counts the same.

Players.	1st.	2d.	3d.
Moss	168	179	163
Gibson	146	146	146
Yates	150	143	155
Harris	127	162	96
Connor	147	175	210
Westcott	120	143	124
Adelberger	160	132	149
Stevens	101	124	112
Habermehl	153	160	139
Robertson	147	129	143
Moore	162	143	146
Craig	92	120	99
Kift	93	128	149
Watson	153	129	196
Fulek	140	147	96
Dunlap	125	141	104
Baker	103	136	119
Polites	193	144	156

PHIL.

ST. LOUIS.

The Market.

The demand for cut flowers during the past week was a great deal better than was expected, and the supply at the wholesale houses was fairly good. The glut has disappeared and the wholesale men claim that very little stock is going to waste at present, and that stock of the first grade is selling out clean, not enough of it coming in for the demand. Some very elaborate decorations for weddings were made by West End florists, which called for a big lot of choice stock. A large amount of smilax was used for these weddings. Most of our florists claim that the month of June will be a good one for business, as school closings are also on for this month, and that a large number of orders have already been booked for these occasions. Funeral work was plentiful the past week, and some very large and elaborate designs were made up. The plant trade, which is now at an end, is reported as the best in years by some, while all say it was up to the average. Stock of all kinds was plentiful, and some have a large number of geraniums left over. The prices, too, were much better than last year.

The past week it rained almost every day, while in the east we read that they are very much in need of rain. But, then, this is always the way in our business; one has too much of a thing and the other has nothing. We have no reports as yet of any damage from the flood around here, and we hope that none will be reported. All trains are late, and the expressmen report this morning (Monday) that the chances are no trains will be in from the east tomorrow, as the tracks on the east side have been washed away. This is a bad state of affairs, for if nothing comes in from the east flowers will be very scarce by the end of this week.

Prices on stock have dropped somewhat since Decoration day, and the supply has been better. Sweet peas are having a great demand. A good many of them come in water soaked from the heavy rains we have had of late. The best bring 50 cents per 100. Long Beauties are having a big call, but the flowers are poor and small and the supply is limited. The shorts seem to have better flowers and the supply is larger. Some of the best Brides and Maids that come in are badly mildewed, owing to the very cool nights. Meteors and Liberties are much better, both in flower and foliage, and are not mildewed. The same can be said of Perles, Gates and Carnots. These were in good supply all of last week, with a big demand, the prices ranging from \$3 to \$6 per 100. Carnations are small, but the supply is about equal to the demand. White has the call. Very few fancies are in the market. From \$1 to \$2 is asked for the best common sorts. Callas and Harrisii are about out of the market. So are peonies. Good valley seems scarce. Gladioli are not overplentiful as yet. In greens, smilax is in fine and is quite plentiful, with a good demand. Some new fancy ferns are coming in, and this seems to please the trade very much.

Notes.

Harry Balsley, the pot man from Detroit, is in town. Harry has many friends here who are always glad to see him.

Quite a few of our nurserymen will leave to-morrow (Tuesday) for Detroit to attend the convention of the American Association of Nurserymen.

Park Commissioner Aull has not yet appointed the new superintendent. Mr. Aull says that the appointment will be made just as soon as Mayor Wells returns from the east.

The first Sunday opening of Shaw's Garden this year attracted a record-breaking crowd, thousands coming and going all day long. Prof. Trelease and his large staff of assistants were in their glory, and many questions had to be answered by them. The garden is in tiptop shape and many new collections have been added since the last Sunday opening. The orchid house, which is under the care of young Mr. McClure, late of Buffalo, is in fine condition.

Bowling.

The bowling club on last Monday night rolled four games with a large attendance, twelve being present, with a visitor, Harry Balsley, who refused to roll. The rolling was a great improvement over last Monday. The scores were as follows:

Player.	1st.	2d.	3d.	4th.	T'l.
J. J. Beneke	213	165	193	159	730
Carl Beyer	188	166	146	...	500
F. C. Weber	150	164	170	...	484
C. A. Kuehn	136	173	139	149	607
Will Adels	167	155	132	103	557
John Young	112	115	140	149	516
Frank Ellis	135	154	76	138	513
Fred Weber, Jr.	153	131	93	...	377
H. Bettekin	93	129	155	...	377
Theo. Miller	120	111	143	...	374
Louie	123	104	...	...	227
C. C. Sanders	109	...	...	...	109

The bowling will be continued every Monday night, so as to get a line on the boys to make up a team for Milwaukee.

J. J. B.

CINCINNATI.

The Market.

The past week reminded us somewhat of the good old winter time, as there was a general rush to secure stock. Everything was in demand and buyers did not stop to discuss the price. This was caused mostly by the numerous school commencements. In the end there was plenty of stock to go around, as large quantities were shipped in from out of town. At present the demand has quieted somewhat, but the coming week is expected to bring good trade, as there are many wedding decorations. Shipping trade is very good, as most small florists are out of cut stock.

Roses are about equal to the demand. American Beauties are somewhat improved in quality, the color being very good. The majority of Brides and Maids are of poor quality. The cool weather of the past few weeks helped them somewhat, but they cannot last much longer. Meteor and Liberty still continue scarce. Franz Deegen is in fine form.

Carnations, with some growers, are holding out nicely. The general supply is about equal to the demand. The heavy rains made havoc with outdoor sweet peas and indoor ones are about over. Some good corn flowers are in and sell fairly well. A double variety of this flower is very pretty and sells quickly. There are plenty of greens.

Various Notes.

Saturday evening, June 13, is the annual meeting of the Cincinnati Florists' Society, when the election of a board of

directors will be held. It is hoped that a large number of members will be present. The two flower shows that will be given in this city during the fall festival in September will be held under the direction of this society. There is \$1,000 offered for prizes and competition is open to all. The question of an outing will also be brought up. The outings of the past couple of years have not been very successful, and suggestions are in order. A trip to the Soldiers' Home at Dayton has been spoken of and there seems to be a popular desire to go there.

F. W. Ball spent a day in Chicago last week buying stock.

Ed Murphy was the host of a large gathering of his relatives and friends at his home during the past week. It was a jolly crowd.

F. W. Hardesty is spending the summer among the green hills of Kentucky; that is, in the Highlands. He has turned into a first-class farmer and can talk potatoes, beans, tomatoes, etc., with the best of them.

Albert Grey was on the sick list during the past week.

Rodger Peterson is home after a long stay in Philadelphia. He is contemplating a trip to Europe to put the finishing touches on his floral education.

C. P. Dieterich, of Maysville, Ky., was a recent caller.

C. J. OHMER.

DETROIT.

Club Meeting.

At the meeting of the club on Wednesday last it was practically decided to go to Milwaukee in August via the Grand Trunk to Grand Haven and across Lake Michigan by boat, and it was voted to invite all brethren of the craft to journey with us and enjoy the night's rest on the boat. Those from Buffalo and vicinity can come by boat on Sunday evening and spend Monday in Detroit, and those from Cleveland can come either by boat Sunday night or day boat on Monday and join us, leaving by train at 5 p. m. on the Grand Trunk, and we shall be pleased to have our Canadian brethren also. The railroad people promise to furnish special cars, etc., for us, and a merry time can be had from 5 p. m. until 11, at which time we leave Grand Haven by boat. The fare also is less by this route, being only \$9.60 for the round trip from Detroit, including berths on the steamer, as against \$15 on all-rail routes, including berths (fare figured at the reduced rates). The D. & B. and D. & C. boat lines will sell tickets to Milwaukee via Grand Trunk from here, thus making a very cheap rate for all. I shall be pleased to reserve berths on steamer and make all arrangements here as to special cars, etc., if notified of the number who wish to come and join us, and we hope that many will.

Notes.

We had on Saturday the heaviest rainfall that has occurred since 1870, there having been no less than 3.02 inches fall in three hours, or over one and one-half gallons to the square foot of surface.

Every one has pretty well sold out of all kinds of bedding stock and is feeling cheerful and happy.

If I have not made my information plain as to the convention route, will Brother Scott please call me again?

RAG.

Peonies, Valley Asparagus, Smilax.

This is the stock for June weddings and commencements. We have large supplies; also Roses, Carnations and all other seasonable flowers. Let us have your orders. "Right Goods at Right Prices."

E. C. AMLING,

The Largest, Best Equipped and Most Centrally Located
Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St.,

Long Distance Telephones 1999 and 1977 Central.

Chicago, Ill.

AMERICAN BEAUTY, Per doz.

30-36-inch stem.....	\$3.00
24-inch stem.....	2.00
20-inch stem.....	1.25
15-inch stem.....	1.00
12-inch stem.....	.75
Short stem.....	\$4.00 to \$5.00 per 100

Per 100

Brides and Maids	\$3.00 to \$6.00
Meteors and Gates.....	3.00 to 6.00
Kaiserlins.....	3.00 to 8.00
Carnations	1.00 to 1.50
large and fancies.....	2.00 to 3.00

Mignonette, doz., 25c to 35c.	
Callas " \$1.00 to \$1.25	
Sweet Peas.....	.75 to 1.00
Valley	4.00
Peonies	4.00 to 6.00
Marguerites .....	.50 to .75
Asparagus... per string, 50c.	
Asparagus Sprenger.....	2.00 to 5.00
Ferns...per 1000, \$2.50 .....	.25
Galax... 1.25 .....	.15
Adiantum	1.00
Smilax .....per doz., \$1.50	

Subject to change without notice.

COLUMBIA CITY, IND.—Hail broke 86 lights of glass for D. C. Noble May 27.

BENTON HARBOR, MICH.—Funeral work has been good lately. One day last week A. E. Crooks made about fifty designs.

DE SOTO, MO.—A. N. Hibbert has taken his brother, S. H. Hibbert, into partnership. The new firm will be known as the Hibbert Floral Co. and will add about 1,500 feet of glass.

DANVILLE, ILL.—H. D. Caldwell, florist at the Soldiers' Home, made an original and effective bouquet for presentation to the president when he stopped here June 4. It was a rough rider hat filled with long-stemmed roses and Roosevelt carnations, the flowers standing up well, so as to show the character of the receptacle.

WANT ADVERTISEMENTS.

Advertisements under this head one cent a word, cash with order. Plant advertisements not admitted under this head.

Every subscriber is entitled to a free advertisement not exceeding 35 words in any one issue desired during the year. If the advertisement exceeds 35 words, send at the rate of one cent for each additional word.

WANTED—At once. A single man with experience in carnations and to do general greenhouse work; must be sober and honest; state wages with board and room. Address The City Greenhouses Newton, Iowa.

WANTED—A single man who can take care of 7000 feet of glass and grow carnations, roses and other general stock; must be a good designer and able to wait on the trade and keep an accurate account of all sales and expenditures; must be sober, energetic and agreeable. To such a man a salary of \$11.00 a week, with 10 per cent. of the net profits, will be given, also a room and washing free. Board can be had at \$2.50 a week. A lifetime place for the right party and a chance to make money. Party must furnish best of reference in keeping with above requirements. Address No. 113, care Florists' Review, Chicago.

SITUATION WANTED—By young man with 8 years' experience in general greenhouse work; 5 years in present place; able to take full charge. Address No. 115, care Florists' Review, Chicago.

SITUATION WANTED—German, single, 15 years' experience in palms, ferns, bedding, stove plants, forcing stock cut flowers, lily of the valley; commercial or private place. Carl Jahn, 1469 West Madison Street, Chicago.

FOR SALE—One second-hand No. 2 Kroeschell boiler, with smoke stack, in good condition; also 100 ft. 3-in. pipe. Wanted situation in lettuce house; 10 years' experience. J. Baldwin, La Fayette, Ind.

WANTED—Two good men for general greenhouse work; two helpers in rose section. J. F. Wilcox, Council Bluffs, Iowa.

FOR SALE—On account of sickness and retiring from business, a florists' place, 6 greenhouses and hotbed sash, 2 acres, in Philadelphia. Fred Krebs, 548 Belgrade St., Philadelphia, Pa.

WANTED—20 boxes glass 16x24 A double; 5 boxes 12x16 A double. W. C. Scovell, Malta, Ohio.

WANTED—Married foreman for modern wholesale and retail place; 65,000 ft.; palms and ferns specialty; must be competent to run the houses on his own ideas, and be sober and industrious. \$12.00 weekly, percentage on gross sales, 3 good rooms, steam heat and bath; write explicit. Also a good cut flower grower; \$12.00 weekly. Albert Fuchs, 2045-59 N. Halsted street, Chicago.

SITUATION WANTED—As foreman by first-class grower of roses, carnations and general stock; No. 1 references. Address No. 114, care Florists' Review, Chicago.

FOR SALE—New greenhouse material as follows: New 2-in black pipe, long lengths, 10 cts. per ft.; 6x8, 50 ft. boxes, American glass, single \$2.25 per box; 6x8, 50 ft. boxes, American glass, double, \$2.70 box; 6x8, 100 ft. boxes, French glass, single, \$4.10 box; 12x14, 16x18, 14x14, 50 ft. boxes, American glass, double, \$3.60 box; 12x12, 10x14, 50 ft. boxes, American glass, single, \$2.40 box. 16x24 French double glass, \$3.50 box. Clear gulf cypress greenhouse material, and everything for building. Send for prices. S. Jacobs & Sons, 1365 to 1375 Flushing Ave., Brooklyn, N. Y.

WANTED—Two or three men for carnations and roses. Bassett & Washburn, Hinsdale, Ill.

WANTED—Two active young men who are interested enough in their work to want to learn rose growing for a business. Write Geo. A. Kuhl, Pekin, Ill.

SITUATION WANTED—As general greenhouse man by August 1st, or will take charge of place in live town with or without intention of becoming partner. Address 110, care Florists' Review, Chicago.

FOR SALE—Cheap, two hot water boilers. For particulars, address Gioede, Evanston, Ill.

FOR SALE—Florist establishment in a rapidly growing town; very cheap; ill health reason for selling. Address 111, care Florists' Review, Chicago.

FOR SALE—Greenhouses, with well established business, and 20 acres of good land. Am getting old and wish to retire. M. Klasner, Alton, Ill.

FOR SALE—Some extra good second-hand 3-in. pipe at 6c per foot; also some 4-in., guaranteed sound. W. H. Salter, Rochester, N. Y.

WANTED—Two young men, A-1 assistants. Pittsburgh Rose & Carnation Co., Crystal Farm, Valencia P. O., Pa.

FOR SALE OR RENT.

MODERN GREENHOUSE PLANT

Of 20,000 square feet of glass; potting shed between houses. 20x80 feet; glass 10x15 and 16x24 inches; heated by steam from return tubular boiler. All in good order.

SAMUEL J. BUNTING, Elmwood Ave and 58th St., PHILADELPHIA, PA.

Beauty Grower WANTED.

Apply

WEILAND & RISCH,
59 Wabash Ave., CHICAGO.

Mention the Review when you write.

A BARGAIN. Big Greenhouse Plant

Owing to other large business interests Brant & Noe, Forest Glen, Chicago, offer their large Greenhouse establishment for sale. Have 12½ acres of land with a quarter mile frontage on West Peterson Avenue. Greenhouses cover three acres, part of them iron frame, built during last three years; hot water is the general system of heating, with steam in every house; reserve boilers in each of the three adjoining ranges. One large steam-heated residence, two dwellings, big barn, stables, wagon house, ice house, two storage buildings, nearly 300 feet of sheds, 20 to 30 feet wide. Local sewer to north branch of Chicago river, upon the bank of which the property is beautifully located. Between two lines of railways, the depot of one on our street, the other station near; electric cars in vicinity. Plenty of sod on this land; piles of sod and manure put up last year, sufficient to fill houses. Fine stock of young roses and carnations for replanting houses now under way. The plant is fully equipped. The improvements have cost over sixty thousand dollars (\$60,000.00). Beginning within 300 feet of this property, 140 lots have been sold at \$225.00 to \$400 per lot. This land will cut into 125 lots and always increase in value. Title is guaranteed by Chicago Title and Trust Co. The investment is both safe and inviting for the land stripped of all its valuable improvements will soon be worth what the whole can now be bought for. Will sell at a big bargain and make terms easy. Might consider a partner, if right one. Good and sufficient reasons for selling.

BRANT & NOE, West Peterson and
North 48th Aves.,
CHICAGO, ILL.

Mention the Review when you write.

One Lord & Burnham Boiler, \$60.00

One Coil Boiler, 900 feet radiation.....	\$35.00
One Coil Boiler, 22-0 feet radiation.....	60.00
One Ericsson Engine, No. 10.....	95.00
One Hitchings Hot Water Heater, No. 16.....	55.00
One Ericsson Pumping Engine, No. 8.....	80.00
One Ericsson Pumping Engine, No. 6.....	55.00
One Rider Pumping Engine No. 6.....	110.00

All guaranteed to be in good working order. Boilers taken in exchange.

New 2-inch Pipe, 10c per foot net.
Second-hand 2-inch Pipe, 8c per foot.
Second-hand 1½-inch Pipe, 5½c per foot.
Second-hand 1¼-inch Pipe, 4½c per foot.
Second-hand 1-inch Pipe, 3½c per foot.
Second-hand ¾-inch Pipe, 3c per foot.
3,000 ft. job lot new ¾-inch hose, \$5.00 per 100 feet, not guaranteed.

New ¾-inch hose, guaranteed one year for 150 lbs. pressure, 7½c per foot.

Write for prices on all kinds of tools and lumber.

MANHATTAN SUPPLY CO.
440-443 11th Avenue, NEW YORK.
Mention The Review when you write.

Seed Trade News.

AMERICAN SEED TRADE ASSOCIATION.

Pres., Walter P. Stokes, Philadelphia; First Vice-Pres., Chas. N. Page, Des Moines, Ia.; Sec'y and Treas., S. F. Willard, Wethersfield, Conn. The twenty-first annual convention will be held at Philadelphia and Atlantic City, June 23, 24 and 25, 1903.

W. W. BARNARD is on his farm at Le-Roy, Ind.

The demand for tuberosc bulbs has been rather light this season and dealers are in no hurry to place contracts for 1903 crop.

THE railroads make a special rate of one and one-third fare for the round trip to the seed trade convention at Atlantic City.

CALIFORNIA reports promise a full crop of the yellow varieties of onion seed, with white up to the average and red somewhat short.

VISITED CHICAGO.—John T. Buckbee and R. H. Shumway, of Rockford, Ill.; James B. Kidd, representing the Cox Seed Co., San Francisco.

MODERATE rain has helped the cabbage seed crops on Long Island, but it came too late to repair the serious results of the extended drought.

H. B. BEATTY, traveler for W. W. Barnard & Co., has quit the seed business and has taken a position with Spink's Shoe Co., as head salesman.

JOHN ELDERING, formerly partner of Eldering Brothers and of late years connected with different bulb houses in New York, died May 27, in Newport, R. I., aged 40 years.

BEAN planting in the Michigan districts is well under way, two-thirds of the total acreage being already sown. The weather and soil conditions are very favorable for a good start.

W. W. Rawson & Co., Boston, report as follows: "It has been a most satisfactory season to us. Although prices have been extremely high, we have experienced no difficulty on that account."

THE damage to the onion set fields in the flooded district is more serious than was at first anticipated. The difficulty has been to get on the ground in time to do anything toward saving the crop.

THE latest report from the California bean growing district mentions some of the pole varieties as having rotted in the ground. Previous reports gave very good accounts of all beans in the coast district.

THE summer wholesale lists of the seedsmen so far received show that prosperity may strike the seed trade. The majority will agree that the inclination to advance wholesale prices is quite proper.

CLEVELAND, O.—The firm of A. C. Kendel has just purchased the site which it has occupied for fifty-one years, originally by John Stair, then by his son, B. H. Stair, and finally by the late A. C. Kendel, who came here as a small boy shortly after the business was first moved to this spot, and whose sons have for the past ten or twelve years conducted the business.

Stumpp & Walter Co.
50 Barclay St. N.Y.

Cycas Stems.

2 to 3 lbs. 4 to 5 lbs. 6 to 7 lbs.

Per 100 lbs...\$7.50 Per 1000 lbs...\$65.00

Burpee's Seeds Grow

Mention the Review when you write.

SEED exports for the nine months prior to April 1 amounted to 15,276,000 pounds of clover seed, 16,105,000 pounds of timothy seed, 3,866,000 bushels of flaxseed and other grass seed valued at \$565,000.

H. F. HENRY sails for Bermuda in a few days. He estimates the Harrisii crop as 20 per cent under last year. Mr. Stumpp, of Stumpp & Walter Co., sails for Bermuda June 20, accompanied by his wife and son.

THERE is a great lack of practical seedsmen. Some of the large employers of labor in this line say that the young men graduating from the several agricultural colleges become good seedsmen in a shorter time than those taking up the work with any other training.

THE Leonard Seed Company, Chicago, is getting its trial ground in shape. It is expected that several thousand different tests of garden vegetables will show up in it. The aim is to make it as complete a test ground for vegetable varieties as is possible.

REMITTANCES from the June 1st statements of the wholesale seedsmen are coming in full and strong. There seems to be a healthy tone to all letters accompanying same. This speaks well for the 1903 campaign of the traveling seed sellers; they are a cheerful lot and deserve all the orders they get.

SEED TESTING AT ST. LOUIS.

One of the interesting seed exhibits at the St. Louis World's Fair is to be a five-acre tract given over to grass, the purpose being to demonstrate the character and utility of the many lawn mixtures, ornamental and economic grasses. The seed production section will occupy a large area. Here the seeds grown in all parts of the world are to be tested side by side by officials of the Department of Agriculture. As an example, seed wheat grown in Washington, the Dakotas, Maine, Florida, and in Europe, Asia and Africa, are planted in adjoining sections. Other experiments with all the other important agricultural products are similarly to be made. Another section west of that devoted to seed production is one equally important and interesting, illustrating the fibre plants, their growth and the best approved methods of handling.

ONE thing in favor of the REVIEW is that it is not run in the interest of any one florist.—F. W. HECKENKAMP, JR., Quincy, Ill.

NEW CROP SEEDS

Primula Sinensis Fimbriata.
(English Grown.)

"The Grand" Mixture, trade packet, 50c
Primula Forbesi, trade packet,.....25c

Cineraria Hybrida Grandifl.
(English Grown.)

Hunt's "Special" Mixture, tr. pkt....50c

Calceolaria Hybrida Grandifl.

Hunt's Import Mixture, tr. pkt....\$1.50
All the types, including the self-colored, tigered, mottled, variegated, spotted.

Gloxinia Grandiflora.

Hunt's Extra Select Mixture, tr. pkt., 50c
A mixture of exclusive French hybrids, including Fire King, Defiance, Frederic, etc.

E. H. HUNT,

76-78 Wabash Ave. CHICAGO.

PRIMROSE --- Chinese Fringed.

Kermesina Splendens.....	Trade Pkt., 50c
White, Yellow Eye.....	50c
Bright Pink.....	50c
Brilliant Red.....	50c
Rosy Morn.....	50c
Blue.....	50c
Flesh Color.....	50c
Mixture of above.....	50c
Fern Leaved Mixed.....	50c
Obconica Grandiflora, White.....	50c
" " Rosy Chamoise.....	50c
" " Bright Rose.....	50c
" " Fringed Mixed.....	50c

W. C. BECKERT, - ALLEGHENY, PA.



RAWSON'S
Arlington Tested

Seeds FOR THE FLORIST

Catalogues Mailed Free.

W. W. RAWSON & CO., Seedsmen,
12 and 13 Faneuil Hall Square, BOSTON.

Calla Bulbs!

1½ to 2 inches in diam.

Choice grown for Florists' use, \$5.00 per 100. For delivery August 1. Express prepaid.

California Carnation Co., Loomis, Cal.

Mention The Review when you write.

ALL THE BEST CARNATIONS

LEADING NOVELTIES OF 1903.

The Best Varieties of 1902.

All the Standard Varieties.

Send in your orders for Rooted Cuttings now.

GEO. HANCOCK & SON, Grand Haven, Mich.

Mention the Review when you write.

CLEARANCE SALE.

LAST CHANCE.

Decoration Day is gone and now you should close up with **SEASONABLE STOCK.** **DON'T PUT IT OFF SO LATE** that you will miss getting what you require.

Our stock is fine. First come, first served. Order to-day.
25 at 100 rate, 250 at 1000 rate.



PONDEROSA LEMON.

Honeysuckles, 2½-inch pots, 12 to 15 inches high. Scarlet Trumpet, Halleana, Chinese Evergreen and Golden Leaved. \$15.00 per 1000.....	\$.30	\$ 2.00
Hydrangeas, Otaksa, Thos. Hogg and red branched, 2½-inch pots .....	.50	3.00
Jasmines, Grandiflora or Star Jasmine and Revolutum, the yellow flowered. \$18.00 per 1000.....	.30	2.00
Justicia or Flame Flower, 2 sorts, fine plants, \$20 a 1000 ..	.30	2.00
Lemon Ponderosa, has ponderous fruit. Anyone can bloom and fruit it. It blooms in large clusters, the individual flowers as large as tuberoses. It is the best selling plant we have and we recommend it to all florists, 2½-inch pots, \$25.00 per 1000.....	.50	3.00
Lemon Ponderosa, 2½ feet high	1.50	10.00
8 to 4 feet high, 50c each.....		40.00
Linum Trigynum, always in bloom.....	.30	1.50
Lantanas, Dwarf flowering, in best sorts.....	.40	2.00
Moon Vines, blue and white flowering. Now is the time to buy. Don't put it off until you can not find them. We have 50,000 plants to offer, \$15.00 per 1000.....	.30	2.00
Manettia Bicolor, handsome flowers, \$20.00 per 1000.....	.30	1.50
Primula Obconica Grandiflora, 2-in. pots, \$20.00 per 1000 ..	.30	2.00

	Per doz.	Per 100
Asparagus Plumosus Nanus, 2½-inch pots, \$25.00 per 1000.....	.50	\$3.00
Asparagus Sprengeri, 2½-inch pots, \$17.50 per 1000 .....	.40	2.00
3-inch pots, fine.....	.75	5.00
Achillea, The Pearl, white flowered, 2½-inch pots, \$10.00 per 1000.....	.80	1.50
Acalypha Marginata, fine bedder, \$20.00 per 1000.....	.40	2.50
Anemone, Queen Charlotte, new, large flowered.....	.50	3.00
Begonias, flowering, 6 best sorts .....	.40	2.50
Bougainvillea Sanderiana, 2½-in. pots, fine stock for shifting on, \$40 a 1000..	.75	5.00
Cannas, all our Cannas are plants from pots ready to move right off. They are much superior to dormant roots. Mme. Crozy, Mlle. Berat, Queen Charlotte, Florence Vaughan, Paul Marquant and S. de Antoine Crozy, \$20.00 per 1000.....	.40	2.50
Crotons in 5 best sorts, 2½-inch pots .....	.50	3.00
Caladium New Century, the flowering Caladium.....	.60	4.00
Coleus, including Verschaffeltii, Hero, Golden Verschaffeltii, Golden Bedder and Firebrand, 2½-inch pots, \$10.00 per 1000 .....	.30	1.50
Chrysanthemums, all the leading sorts. We have 100 varieties to offer. \$15.00 per 1000.....	.30	2.00
Dracena Indivisa, 2-inch pots .....	.40	2.50
Daisies, Paris or Marguerite, 2 sorts, white or yellow, the best, \$10 per 1000...	.30	1.50
Dahlias in 10 best named sorts, \$30.00 per 1000.....	.50	3.50
Fern Balls, 5-inch	2.00	15.00
Fuchsias in all the leading kinds, both double and single, fine young stock. \$20.00 per 1000 .....	.40	2.50
We are large growers of Fuchsias and have all the best varieties.		
Geraniums, double and single, all leading varieties, 2½-in. pots, \$20 a 1000 ...	.50	2.50
Geraniums, Mountain of Snow, silver leaved .....	.50	3.00
Helianthus Multiflorus, hardy sunflower, \$25.00 per 1000.....	.30	2.00
Hibiscus, 12 leading sorts, \$25.00 per 1000 .....	.50	3.00
Crimson Eye, perfectly hardy.....	.50	3.00

Passiflora Constance Elliott, hardy white flowering Passiflora Vine, \$15 00 per 1000 .....	.30	2.00
Rhynchospermum Jasminoides, fragrant white flowers...	.40	2.50
Rudbeckia, Golden Glow, \$20.00 per 1000.....	.30	2.00
Royal Purple Strobilanthes, fine, highly colored bedder. \$10.00 per 1000 .....	.30	1.50

Roses. The following roses, from 2½-inch pots, at \$2.00 per 100 and \$15 00 per 1000: — Mosella, Hermosa, Burbank, Ohio, Climbing Souper, Ivory, Bride, Bridesmaid, Mme. Jos. Schwartz, La France, Mme. F. Kruger, Rainbow, Safrano, Mme. C. Kuster, Jersey Beauty, Manda's Triumph, Gardenia, Universal Favorite, Mrs. Lovett, Greville or Seven Sisters, Henry Martin, Pink Moss.

Sage, Holt's Mammoth, \$10.00 per 1000 .....	.40	2.00
Spiraea, Anthony Waterer, 2½-inch pots, \$25.00 per 1000 ..	.50	3.00
Caryopteris, Hardy Blue Spiraea, 25.00 .....	.50	3.00
Solanum Azureum, the blue flowering Solanum, extra fine, \$25.00 per 1000 .....	.50	3.00
Vinca Major Variegata, 2-inch pots, \$10 00 per 1000 .....	.30	1.50
Violets, Princess of Wales, California and Hardy Russian, 2½-inch pots, \$18.00 per 1000.....	.40	2.00
Violets, Hardy English Double Flowered, \$20.00 per 1000..	.40	2.50

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BOSTON.

There is nothing of unusual interest in the market at present, but it is strange, in view of the great production during the past month, the plants do not at length become exhausted and suddenly cease blooming. This is the way my memory tells me the case has formerly been, but now the supply seems to keep up as if unlimited, especially so far as roses and carnations go. But the greater portion of them are small in size and of inferior color, so that returns average very low. Another feature is that the very dry weather has hurried up the outdoor Jacques, as well as everything else; they are not only unusually early but very poor in quality. Peonies, rooting deeply, have withstood the drought in better shape, and are quite good.

Next week will be no better. The crowd will be drinking pink lemonade

and eating peanuts at Barnum's, and they don't use bouquets at the circus.
S. J. MANTER.

TORONTO.

Trade during the last couple of weeks has kept up equal to, if not ahead of, other years, while some of our best retail stores far exceed last year's business, on account of the big call for flowers during the stay of the governor general and the special interest taken in our races by society, on account of the vice regal party attending. June weddings are in full swing and we notice a strong demand for good Brides and Maids, which have kept decidedly good thus far this season. Carnations have been overplentiful, especially the cheaper qualities, and we notice them being advertised by our department stores down as low as 9 cents a dozen, retail.

In his trip around during the week,

your correspondent noticed some orchids grown by W. Hill, of Yonge street, who is a special orchid fancier, and who is gradually working up a fine collection. An Oncidium incurvum in bloom with two sprays, each measuring over six feet in length, was certainly a fine sight. We also noticed some Oncidium Harrisonianum and Lælia tenebrosa in bloom, which were fine.

C. Turp, of Bloor street, who is increasing his greenhouses this year to a considerable extent, has two houses of carnations which are in fine condition now. As Mr. Turp has always grown good carnations, it will add considerably to the supply of the commission house, where he has been sending his stock for the last year or more.

We take especial pleasure in inviting all the "Old Boys" back to Toronto, for the great home coming July 1, 2, 3 and 4. Come and bring your friends. S.

SAMUEL S. PENNOCK,

**Valley, Gardenias and Orchids
for June Weddings.**

Wholesale Florist,
1612 Ludlow St., PHILADELPHIA.

HARTFORD, CONN.

The Florists' Club held a well attended meeting June 2, it being the last indoor meeting until fall. There were a number of invited guests present, and a most enjoyable evening was spent. After business a social session followed. Refreshments were served and R. S. McGee and R. Simonds gave a number of comic recitations which were much enjoyed. It was voted to suspend regular meetings for the next three months and during this time meetings will be held at the call of the president. Arrangements are under way whereby a joint outing of the Hartford Florists' Club, the New Haven Horticultural Society, the New London Florists' Club and the Bridgeport Florists' Club will be held in the near future. J. F. Huss made an exhibit of flowers of a large number of perennials and gave a very interesting talk on them. Robert Karlstrom, gardener at Elizabeth Park, brought in ten varieties of rhododendrons, also fourteen varieties of azaleas and a very striking and beautiful poppy. Certificates of merit were awarded to Elizabeth Park nurseries and to Mr. Huss for their exhibits. The judges for the evening were G. A. Parker, W. W. Hunt and H. J. Koehler.

H. J. Koehler, forester at Keney Park, and one of the charter members of the club, is soon to leave the city, and this announcement was listened to with much regret. Resolutions were unanimously voted making him an honorary member of the club.

J. F. COOMBS.

WASHINGTON, D. C.

Business continues fairly brisk, with commencements and weddings calling for considerable stock, but all prices have dropped since last report. The best tea roses can be had for 3 cents, and carnations for 1 cent. The qualities hold up very well for so late in the season. Beauties are rather plentiful and sell at from \$1 to \$2 a dozen.

There was a large attendance at our monthly club meeting on June 3. Peter Bissett exhibited some very fine hybrid roses. At our next meeting Mr. Bissett will present a paper entitled "The Most Profitable Outdoor Flowers."

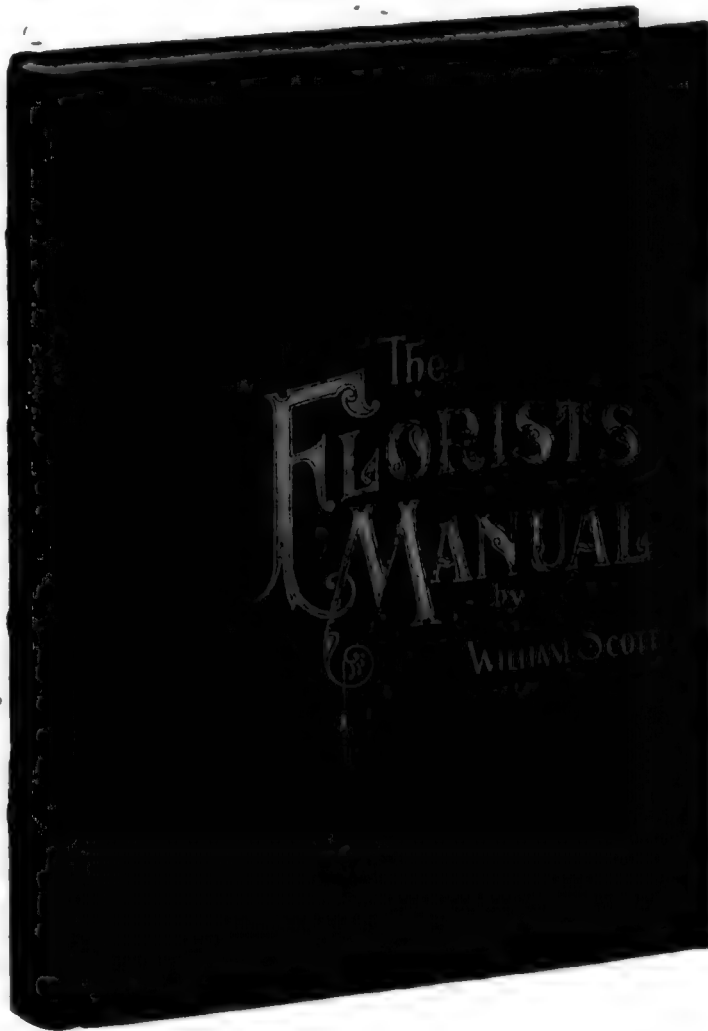
Following is the weekly bowling score:

	1st.	2d.	3d.	Total.
W. H. Ernest.....	184	202	167	553
George Cooke.....	181	165	191	517
George Shaffer.....	175	166	176	517
C. Wolf.....	179	119	180	478
K. Davis.....	134	154	162	450
C. Pritchard.....	165	153	127	445
F. H. Kramer.....	138	140	150	428
Willie Clark.....	135	116	169	420
E. Loeffler.....	125	145	140	410
W. S. Clark.....	129	120	155	404
C. L. Barber.....	104	153	137	394
J. Shine.....	121	133	144	398
A. Eech.....	101	137	133	371
W. W. Kimmell.....	102	141	120	363
J. Minder.....	101	91	110	302
C. Deltrich.....	50	59	56	165

F. H. KRAMER.

AURORA, ILL.—Jos. Smely met with a heavy fall June 1, breaking his arm.

MT. CLEMENS, MICH.—Breitmeyer's, Thos. Gordon and Robt. Klegge lost heavily by hail May 27.



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Brides—2-in., 2½-in., 3-in. Maids—2-in., 2½-in., 3-in. A. V. Kaiserin—2-in., 2½-in., 3-in., 4-in. Perles—2-in. Beauties—2-in., 3-in. Liberty—2½-in., 3-in. Golden Gate—3-in. La France—2-in., 3-in. Belle Siebrecht—2-in. Ivory—2-in., 2½-in., 3-in. Woottons—2-in., 2½-in.

Stock guaranteed to please you.

See Price List in last week's issue.

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Coleus—2¼-in., \$1.50 per 100. 10 varieties.

Verbenas—2½-in., assorted, in bloom, \$2.00.

Heliotrope—2¼ and 3-in., \$1.50 and \$2.50.

50 Boston Ferns—5-in., 30c each.

40 Tremula Ferns—4-in., 10c each.

100 Mme. Sallerei Geraniums—2¼ and 3-in., \$2.50 and \$3.00.

200 Centaurea—Gymnocarpa, 2¼-in., \$2.00.

150 Alternantheras—Red and yellow, 2¼-in., \$2.00.

50 Moonvines—White and blue, 2¼-in., \$3.00.

Satisfaction guaranteed. Cash.

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	Per 100	Per 1000	Regular Price
MAMMOTH BULBS, in splendid condition, 4 to 6 inches and over.....	\$.80	\$4.50	\$7.00
SECOND SIZE, 3 to 4 inches and over, 5000 for \$10.00.....	.25	2.25	4.00
ELEPHANT EAR BULBS, with live center | 5 to 7 inches.....	.90	7.50	
shoots. Carefully selected.....	1.75	15.00	
GLADIOLUS—J. & S. Special Mixture. Quality unsurpassed.....	.65	5.00	7.50

Note. We sell 250 bulbs at 1000 rate.

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Philadelphia, June 10.

	Per doz.
Beauties, Specials.....	\$ 2.00 to \$ 3.00
Extra.....	1.50
No. 1.....	1.00 to 1.25
Shorts.....	.50 to .75
Queen of Edgely, Specials.....	2.00 to 2.50
Firsts.....	1.00 to 1.50
Seconds.....	.50 to .75
Brides and Maids, Specials.....	\$1.00 to \$8.00
No. 2.....	2.00 to 3.00
Carnot, Firsts.....	6.00 to 10.00
Seconds.....	3.00 to 4.00
Golden Gates, Firsts.....	4.00 to 8.00
Seconds.....	2.00 to 3.00
Kaiserin, Firsts.....	6.00 to 10.00
Seconds.....	2.00 to 4.00
Liberty, Firsts.....	6.00 to 15.00
Seconds.....	2.00 to 4.00
Meteors, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Perles, Firsts.....	3.00 to 5.00
Seconds.....	2.00 to 3.00
Sunrise, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Ivory, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Cattleyas.....	40.00 to 50.00
Carnations, Commons.....	.75 to 1.00
Fancies.....	1.50 to 2.00
Prosperity.....	3.00 to 4.00
Adiantum Cuneatum.....	.75 to 1.00
Asparagus plumosus, Springs.....	35.00 to 50.00
Sprays.....	1.50 to 2.00
Callas.....	8.00 to 10.00
Lilium Candidum.....	10.00
Harrisii.....	12.50
Daisies, White.....	.50 to .75
Yellow.....	.50 to 1.00
Gladioli.....	6.00 to 8.00
Lily of the Valley.....	2.00 to 5.00
Peonies.....	4.00 to 6.00
Smilax.....	12.50 to 20.00
Stocks.....	4.00 to 6.00
Sweet Peas.....	.50 to .75

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2 1/2-in. pots, \$6.00 a 100; \$50.00 a 1000
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Wholesale Cut Flower Prices.

New York, June 10.

	Per 100
Beauties, Specials	\$ 8.00 to \$12.00
" Fancies	6.00 to 8.00
" Extra	4.00 to 5.00
" No. 1	2.00 to 3.00
" No. 2	1.00 to 2.00
Queen of Edgely	8.00 to 20.00
Brides and Maids, Specials	4.00 to 5.00
" Extra	2.00 to 3.00
" No. 1	1.00 to 2.00
" No. 2 .....	.50 to 1.00
Golden Gates	5.00 to 8.00
Liberty	4.00 to 6.00
Meteor	1.00 to 4.00
Mme. C. Testout	2.00 to 6.00
Mrs. Morgan	5.00 to 8.00
Perles	2.00 to 3.00
Sunrise	2.00 to 4.00
Cattleyas	25.00 to 30.00
Carnations, Common .....	.25 to .50
" Selects .....	.75 to 1.00
" Fancies	1.00 to 1.50
Adiantum cuneatum .....	.50 to .75
" Farleyense	5.00 to 10.00
" Croweanum	1.25 to 1.50
Asparagus plumosus, Strings	25.00 to 50.00
Plumosus Sprays, \$2.00 a doz. bunches.	
Sprenger Sprays, 2.00	
Sweet Peas, per 100 bunches, \$2-\$5	
Peonies	2.00 to 5.00
Harrisii lilies	3.00 to 5.00
Callas	3.00 to 5.00
Valley	1.00 to 3.00
Smilax	6.00 to 12.00
Pansies .....	.50 to 1.00
Daisies .....	.50 to 1.00
Ferns, Common, per 1000, 75c.	
Fancy, per 1000, \$1.50.	

The tendency of values was downward all through the week, until on Saturday the lowest prices of the year prevailed. It was all supply and no demand, until the accumulation had to be sold in bulk to get rid of it at all. "Slaughter" expresses the condition of things better than "sacrifice." Everything is plentiful and business already languishes under the early influence of mid-summer dullness. The only shortage seems to be in the crop of June brides.

IRONTON, O.—W. F. Therkildson has sold out and removed to Ashland, Ky., where he will reside until he decides where to go into business again.

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Plumosus Nanus
2-inch pots,
\$3.00 per 100; \$25.00 per 1000

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2-inch pots,
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Between 28th and 29th Streets.
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Cincinnati, June 10.

	Per 100	\$25.00
Beauties, Specials		
" Extra	\$15.00 to	20.00
" No. 1	8.00 to	12.00
" Shorts	8.00 to	5.00
Brides and Maids, extra		5.00
" No. 1	4.00 to	5.00
" No. 2	2.00 to	3.00
Golden Gates	3.00 to	6.00
Kaiserin	8.00 to	6.00
Liberty	8.00 to	8.00
Meteor	8.00 to	6.00
Perle	2.00 to	5.00
Carnations, Commons		1.50
" Selects	2.00 to	2.50
" Fancies	3.00 to	4.00
Adiantum Cuneatum	1.00 to	1.50
Asparagus plumosus, Strings		50.00
Sprengeri, Sprays	2.00 to	3.00
Callas	6.00 to	8.00
Daisies .....	.50 to	1.00
Lilium Longiflorum	6.00 to	8.00
Lily of the Valley	3.00 to	4.00
Pansies .....		.50
Peonies	2.00 to	4.00
Smilax	12.50 to	15.00
Stocks	2.00 to	4.00
Sweet Peas25 to	.50
Galax15
Leucothoe50
Common Ferns15

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SURPLUS STOCK

In Prime Condition. Write for prices.

1000 Oliver Ames, 4-inch pots.
2000 Mme. Cusin, 3 and 4-inch pots.
2000 Pierpont Morgan, 3 and 4-inch pots.
1000 Sunset, 3 and 4-inch pots.
2000 Meteor.
3000 Bridesmaid, 3 and 4-inch pots.
8000 Bon Silene.
1000 Isabella Sprunt.
500 Safrano.
500 Sunrise.
2000 8-inch Sprengeri, extra strong, \$8.00 per 100.

JOHN BREITMEYER'S SONS,

Detroit and Mt. Clemens, Mich.
Mention the Review when you write.

'MUM PLANTS

In 2 1/4-in. pots.

Mrs. Perrin, Maud Dean, Elvena, Wanemaker, Jerome Jones, Mutual Friend, G. Pitcher, Niveus, Golden Gate, Goldmine, Mrs. H. Robinson, Mme. Carnot, H. Hurrell, Maj. Bonnafton, Willow Brook, J. K. Shaw, \$3 per 100; \$25 per 1000.
Alice Byron, \$5 per 100; Col. Appleton and Jeannie Falconer, \$4 per 100; Yellow Eaton, 50c each; \$5 per doz.; \$30 per 100.

A. N. PIERSON, Cromwell, Conn.

Mention The Review when you write.

DOUBLE FRINGED PETUNIAS

ANo. 1 assortment of money-makers, strong 2-inch, \$2.00 per 100.
Geraniums—Mixed, 2-inch, \$2.00 per 100.
Verbena—2-inch, \$1.50 per 100.
Also Chrysanthemums, Pelargoniums, Star Petunias, Selaginellas, Salvias, etc.

E. I. RAWLINGS, Quakertown, Pa.

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TRAENDLY & SCHENCK,
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Tel. 3660-3661 Main.

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GALAX Bronze or Green, \$1.00 per 1000; 75c per 1000 in 5000 lots.
Leucothoe Sprays; Bronze or Green, \$1 per 100.
Fancy Ferns, \$2.00 per 1000.
Green Sheet Moss, fresh stock, \$2.50 bbl. sack.
Sphagnum Moss, \$1.75 per bale.
Small Green Galax for Violets, \$1.00 per 1000
ALL KINDS OF FLORISTS' SUPPLIES.
L. J. KRESHOVER, 110-112 W. 27th St., New York.
Tel. 697 Madison Sq.
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N. LECAKES & CO.

53 West 28th St., NEW YORK.
(BASEMENT.)

Telephone 1239 Madison Sq.

Ferns, Galax Leaves and Leucothoe Sprays
OUR SPECIALTIES.

CHAS. D. BALL,

GROWER
... OF

Palms, Etc.

Send for
Price List.

HOLMESBURG, PHILADELPHIA, PA.

Mention the Review when you write.

Gov. Lowndes!

The finest white carnation to date. Awarded Certificate of Merit at Brooklyn, scoring 91 points, the highest number awarded to any seedling. It was recently also awarded First Prize and Medal over all other Whites at Cincinnati. Extra fine cuttings, for delivery early in April, \$2.50 per doz.; \$12.00 per 100; \$100.00 per 1000.

Enchantress, Mrs. Theodore Roosevelt, Harlowarden, Sibyl, Marshall Field, Pres. McKinley, White Bratt, Fragrance, \$2.50 per doz.; \$12.00 per 100; \$100.00 per 1000.

	Per doz.	Per 100	Per 1000
Adonis	\$3.00	\$14.00	\$120.00
Her Majesty	2.00	10.00	80.00
Lillian Pond	2.00	10.00	75.00
Innocence		6.00	50.00

Other leading new and standard varieties.

H. WEBER & SONS, - Oakland, Md.

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National Florists' Board of Trade.

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Satisfaction guaranteed. No delays. No neglect. No waiting. NEW OFFICES, 56 FINE STREET, NEW YORK CITY.

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Rooms 601, 602, 603.

HARRIS H. HAYDEN, Pres.

WM. A. MOORE, Vice-Pres.

JNO. E. WALKER, Sec. and Treas.

Wholesale Cut Flower Prices.

Chicago, June 10.

	Per doz.
Beauties, 36 to 40-inch stems.....	\$3.00
" 30-inch stems.....	2.50
" 24 ".....	2.00
" 20 ".....	1.50
" 15 ".....	1.25
" 12 ".....	1.00
" Shorts.....	.75
	Per 100.
Bridesmaids, Specials.....	\$5.00 to \$6.00
" Firsts.....	4.00 to 5.00
" Seconds.....	2.00 to 3.00
Brides, Specials.....	5.00 to 6.00
" Firsts.....	4.00 to 5.00
" Seconds.....	2.00 to 3.00
Kaiserin.....	4.00 to 10.00
LaFrance.....	4.00 to 8.00
Perles, Firsts.....	5.00 to 6.00
" Seconds.....	2.00 to 3.00
Liberty, Specials.....	8.00 to 10.00
" Firsts.....	6.00 to 8.00
" Seconds.....	4.00 to 5.00
Golden Gate, Firsts.....	5.00 to 6.00
" Seconds.....	2.00 to 4.00
Meteor, Firsts.....	5.00 to 6.00
" Seconds.....	2.00 to 4.00
Mme. Chatenay, Firsts.....	8.00 to 10.00
" Seconds.....	4.00 to 6.00
Sunrise.....	4.00 to 7.00
Ivory, Firsts.....	5.00 to 6.00
" Seconds.....	3.00 to 4.00
Carnations, Fancy.....	2.00 to 3.00
" Commons.....	1.00 to 1.50
Gladioli.....	3.00 to 8.00
Valley.....	4.00
Harrisii Lilies.....	8.00 to 10.00
Callas.....	8.00 to 10.00
Peonies.....	3.00 to 8.00
Marguerite, Common.....	.25 to .35
Adiantum cuneatum.....	.50 to 1.50
Asparagus plumosus, Strings.....	50.00
" Sprays.....	2.00 to 4.00
Asparagus Sprengerii, Sprays.....	2.00 to 8.00
Smilax.....	\$1.50 per doz.
Common ferns, per 1000.....	\$2.50
Galax Leaves, Bronze.....	\$1.25 per 1000
Green.....	\$1.00 to \$1.25 per 1000

Baltimore, June 10.

	Per 100
Beauties No. 1.....	\$16.00 to \$18.00
" Shorts.....	3.00 to 6.00
Brides and Maids, No. 1.....	3.00 to 5.00
" No. 2.....	2.00 to 3.00
Golden Gate.....	3.00 to 5.00
Liberty.....	2.00 to 3.00
Meteor.....	2.00 to 3.00
Perle.....	3.00 to 4.00
Carnations, Commons.....	.75 to 1.00
" Selects.....	1.25 to 1.50
Adiantum Cuneatum.....	1.00
Asparagus plumosus, Sprays.....	2.00
" Sprengerii, Sprays.....	2.00
Callas.....	6.00
Lilium Harrisii.....	6.00 to 8.00
Peonies.....	2.50 to 3.00
Sweet Peas.....	.25 to .35

We are having copious rains and fine but not too warm summer weather, and as a consequence cut flowers are very abundant. This week began with trade rather lagging, but last week showed great activity and pretty much all offerings were promptly absorbed at fair prices. Weddings and commencements continue and orders booked give assurance of a steady demand during all of June.

AUBURN, IND.—A. F. Fleming is not only doing a good business in cut flowers and bedding stock, but also in sweet potato plants.

ROSES.

Out of 2½-inch pots, thrifty plants.
Brides and Bridesmaids, \$3.50 per 100; \$30 per 1000
Golden Gates..... 2.50 per 100; 20 per 1000
WM. B SANDS, Lake Roland, Baltimore, Md.
Mention the Review when you write.

Poinsettia Stock!

Strong plants, from bench.....\$8.00 per 100
pots..... 4.00
AUGUST JURGENS,
134 to 144 Herndon St., CHICAGO.
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E. H. HUNT
THE "OLD RELIABLE" FOR
Wholesale
Cut Flowers
Hunt's Flowers Go Everywhere.
76 Wabash Ave. CHICAGO.
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Bassett & Washburn
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WHOLESALE GROWERS OF
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Greenhouses at Hinsdale, Ill.
Mention The Review when you write.

A. L. RANDALL,
Wholesale Florist
Don't forget we are at
19 and 21 RANDOLPH ST., CHICAGO.
Write for special quotations on large orders.
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J. A. BUDLONG
37-39 Randolph Street CHICAGO.
Roses and Carnations WHOLESALE CUT FLOWERS
A Specialty..... GROWER OF

WIETOR BROS.
Wholesale Cut Flowers
Growners of.. All telegraph and telephone orders given prompt attention.
51 Wabash Avenue, CHICAGO.

WEILAND-AND-RISCH
CHICAGO'S RELIABLE WHOLESALE GROWERS AND SHIPPERS OF...
CUT FLOWERS,
59 Wabash Avenue, CHICAGO.
SEND FOR WEEKLY PRICE LIST.
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Wholesale Cut Flowers.
Growners of and Dealers in
All telegraph and telephone orders given prompt attention. Greenhouses: Morton Grove, Ill.
35-37 Randolph Street, CHICAGO, ILL.
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BENTHEY & CO.
35 Randolph Street, CHICAGO.
F. F. BENTHEY, Manager. Wholesale and
Consignments Solicited. Commission **FLORISTS**
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PETER REINBERG,
Grower and Wholesaler of Cut Flowers
800,000 SQUARE FEET OF GLASS.
Headquarters for American Beauty.
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WHOLESALE GROWER OF Cut Flowers.
51 Wabash Avenue, - - CHICAGO.
GREENHOUSES, ROGERS PARK, ILL.
Telephone Central 3586.

SINNER BROS.
Wholesale Growers and Shippers of CUT FLOWERS
58-60 WABASH AVE., CHICAGO, ILL.
With the Flower Telephone—
Growers' Co. Central 3067.
All telephone and telegraph orders given prompt attention.
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FRANK GARLAND,
Wholesale Grower of Cut Flowers,
Special attention FERNs.
given to Hardy Out
55-57 Wabash Avenue, CHICAGO, ILL.
Telephone Central 3284.
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GEORGE REINBERG,
51 Wabash Ave., Chicago,
WHOLESALE DEALER IN AND
.....GROWER OF CUT FLOWERS
Two Daily Shipments from my greenhouses.
Fresh Stock always ready for orders.
Write, Wire or Phone. Quick Service Given.

Lily of the Valley.
From cold storage. Finest in the market. \$14.00 per 1000; \$1.50 per 100.
CUT VALLEY—The best always on hand.
H. N. BRUNS,
1409 W. Madison St., CHICAGO.

Wired Toothpicks
Manufactured by
W. J. COWEE, BERLIN, N. Y.
10,000....\$1.50; 50,000... \$6.25. Sample free.
For sale by dealers.
Mention The Review when you write

MICHIGAN CUT FLOWER EXCHANGE.

WM. DILGER,
Manager.

WHOLESALE FLORISTS AND CUT FLOWER COMMISSION.

Full line of FLORISTS' SUPPLIES and SUNDRIES.

COMMON FERNS, \$1.50 per 1000.
GALAX, Bronze or Green, 1.00

51 Miami Ave., Detroit, Mich.

Wholesale Cut Flower Prices.

Boston, June 10.

	Per 100.
Beauties, Specials.....	\$25.00
" Extra.....	\$15.00 to 20.00
" No. 1.....	8.00 to 12.00
" Shorts.....	2.00 to 6.00
Brides and Bridesmaids, Specials..	8.00
" Extra.....	6.00
" No. 1.....	2.00 to 4.00
" No. 2.....	.50 to 1.00
Carnot.....	2.00 to 6.00
Golden Gate.....	2.00 to 6.00
Jacqueminot.....	2.00 to 4.00
Kaiserin.....	2.00 to 10.00
Liberty.....	2.00 to 16.00
Meteor.....	2.00 to 6.00
Mrs. Morgan.....	2.00 to 6.00
Perle.....	2.00 to 6.00
Ulrich Brunner.....	2.00 to 10.00
Carnations, Common.....	.50
" Selects.....	1.00 to 1.50
" Fancies.....	2.00 to 3.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, Strings.....	50.00
" Sprays.....	1.00 to 2.00
" Sprengerl, Sprays.....	2.00 to 4.00
Callas.....	10.00
Gladioli.....	6.00 to 8.00
Lilium Longiflorum.....	6.00 to 8.00
Lily of the Valley.....	3.00 to 5.00
Mignonette, Ordinary.....	1.00
Peonies.....	4.00 to 8.00
Smilax.....	20.00
Stocks.....	2.00 to 4.00
Sweet Peas.....	.25 to .50
Galax.....	.15
Common Ferns.....	.15

Pittsburg, June 10.

	Per 100
Beauties, Specials.....	\$20.00 to \$30.00
" Extra.....	10.00 to 15.00
" No. 1.....	5.00 to 8.00
" Shorts.....	2.00 to 3.00
Brides and Maids, Specials.....	8.00
" Extra.....	4.00 to 6.00
" No. 1.....	2.00 to 3.00
" No. 2.....	1.00
Cusin.....	2.00 to 4.00
Kaiserin.....	2.00 to 8.00
Liberty.....	2.00 to 8.00
Meteor.....	2.00 to 4.00
Perles.....	2.00 to 4.00
Sunrise.....	1.00 to 2.00
Carnations, Common.....	.50
" Selects.....	.50 to 1.00
" Fancies.....	1.50 to 2.00
" Prosperity.....	3.00 to 4.00
Adiantum Cuneatum.....	1.00 to 2.00
Asparagus plumosus, Strings.....	30.00 to 50.00
" Sprays.....	2.00 to 3.00
" Sprengerl, Sprays.....	2.00 to 3.00
Daisies.....	.25 to 1.00
Lilium Longiflorum.....	8.00 to 12.00
Lily of the Valley.....	2.00 to 4.00
Peonies.....	4.00 to 6.00
Smilax.....	12.00 to 15.00
Sweet Peas.....	.25 to 1.00

WAXAHACHIE, TEX.—W. B. Forrest is making preparations to enlarge his cut flower trade, building a new house for that purpose.

PLYMOUTH, O.—Fannie E. Case has had a fine spring trade, ahead of all other years. She has material on the ground for a house 18x25 for bedding stock.

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.

Manufacturers of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.

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WHOLESALE
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1322 Pine Street,
ST. LOUIS, MO.

HOLTON & HUNKEL CO.

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MILWAUKEE, - WIS.

Mention The Review when you write.

Wm. Murphy,

Grower and Commission
Dealer in.....

Cut Flowers and Florists' Supplies,

Telephone Main 980.

130 E. 3d Street, CINCINNATI, OHIO.

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Maplewood Cut Flower and Plant Co.

GEO. M. KELLOGG, Pres.

Growers of CUT FLOWERS at Wholesale.

Regular shipping orders given special attention. We have the largest plant west of Chicago.

Store: 906 Grand Ave., KANSAS CITY, MO.

Greenhouses: Pleasant Hill, Mo.

J. M. McCULLOUGH'S SONS

Wholesale

FLORISTS

ALSO SUCCESSORS TO

THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

316 Walnut St., CINCINNATI, OHIO.

Wholesale Cut Flower Prices.

Detroit, June 10.

	Per 100
Beauties, Specials.....	\$25.00
" Extra.....	20.00
" No. 1.....	15.00
" Shorts.....	\$5.00 to 10.00
Brides and Maids, Specials.....	6.00
" Extra.....	5.00
" No. 1.....	4.00
" No. 2.....	3.00
Cusin.....	3.00 to 6.00
Golden Gates.....	3.00 to 6.00
Kaiserin.....	3.00 to 6.00
Meteors.....	3.00 to 6.00
Perle.....	3.00 to 5.00
Cattleyas.....	50.00
Cypripediums.....	25.00
Carnations, Common, \$10 per 1000	
" Selects.....	1.00 to 1.50
" Fancies.....	2.00 to 2.50
Adiantum Cuneatum.....	1.00 to 1.50
Asparagus plumosus, Strings.....	40.00 to 50.00
" Sprengerl, Sprays.....	1.00 to 2.00
Callas.....	10.00
Daisies.....	.40 to .50
Gladioli.....	5.00
Lilium Harrisii.....	10.00
" Longiflorum.....	10.00
Lily of the Valley.....	4.00 to 5.00
Mignonette, Ordinary.....	2.00
" Fancy.....	4.00
Peonies.....	4.00 to 6.00
Smilax.....	15.00
Stocks.....	2.00 to 4.00
Sweet Peas.....	.35 to .50
Galax.....	.10
Leucothoe.....	1.00
Common Ferns.....	.20

New Crop Fancy or Dagger Ferns

75c per 1000. Discount on large orders. Contracts made to supply the year round. Use our **Laurel Festooning** for your June decorations. It's the best decorating material to be found for weddings, etc.; price 4c, 5c and 6c per yd. **Galax Leaves, Green or Bronze**, 75c per 1000. **Mosses** etc. Everything in the hardy supplies and gathered fresh daily. Send us your wants and be well satisfied.

Long Distance Telephone connection.



CROWN FERN CO.
MILLINGTON, MASS.
Tel. Office, New Salem.
Mention the Review when you write.

HARDY CUT FERNS.

New Crop Fancy and Dagger Ferns Now Ready.

We handle only the best that grow in the "Old Berkshire Hills." Send us your order and we will please you. 50c per 1000 in lots of 5000 or over; 65c per 1000 in lots of less than 5000. A sample order will convince you that ours are the best. Also Sphagnum and Sheet Moss, Laurel and Bouquet Evergreen in roping, wreaths or loose, etc., etc. Order from us and you will make no mistake. Address all orders to

H. J. SMITH, - Hinsdale, Mass.

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FRANK M. ELLIS, Wholesale Florist, St. Louis, Mo.

1316 Pine Street,

PLENTY OF STOCK IN ALL FLOWERS IN SEASON.

A COMPLETE LINE OF FLORISTS' SUPPLIES.

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ALEXANDER McCONNELL, 546 Fifth Avenue,
Cor. 45th St., N.W.
New York City.

Telegraphic orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Cable Address: **ALEXCONNELL.** Telephone Calls: 340 and 341 38th Street.
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WILL BE FILLED BY

P. J. HAUSWIRTH,
227 Michigan Ave.
Auditorium Annex. Telephone Harrison 393.

David Clarke's Sons
2139-2141 Broadway,
Tel. 192 Riverside,

New York City.

Out-of-town orders for delivery in New York carefully and promptly filled at reasonable prices.

M.A. Bowe

1294 BROADWAY,

In the heart of NEW YORK CITY.

TEL. 2270 38TH ST.

OUR MOTTO—"THE GOLDEN RULE."

HAVE YOUR

RETAIL ORDERS

FILLED BY THE

GEO. WITTBOLD CO.,
1657-59 Buckingham Place, CHICAGO.

M. WEILAND,
602 Davis St., EVANSTON, ILL.

Suburb of Chicago.

Out-of-town orders of all kinds given careful and prompt attention.
Long distance phone, Evanston 56.

SALTFORD

286 Main Street,

THE HOME OF
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Orders from all over the country promptly and reasonably filled at the usual rates.

Telegraph or Telephone.

Shibeley The Florist,
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SUTTER ST., SAN FRANCISCO, CAL.

Slevers & Boland,
25-27
Post Street, San Francisco, Cal.

Clarke Bros.
PORTLAND, ORE.

**Siebrecht
& Son,**
409 5th Ave.
New York City,

Fill all orders for Florists
at current prices less the
usual discount. : : :

A. WIEGAND & SONS,
FLORISTS,
1610 to 1620
N. Illinois St., Indianapolis, Ind.

A. GUDE & BRO.
1224 F Street, Northwest,
Washington, - D. C.

**The J. M. Gasser
Company,**
EUCLID
AVENUE, CLEVELAND, OHIO.

**John Breitmeyer's
Sons,**
Cor. MIAMI and GRATIOT AVES.
DETROIT, MICH.

WM. SCOTT,
Main and Balcom Sts.
Buffalo, N. Y.

U. J. VIRGIN,
838
Canal Street, NEW ORLEANS, LA.

Fred H. Weber,
Boyle and
Maryland Aves., St. Louis, Mo.

**Orders for
Philadelphia**
WILL BE FILLED BY
Century Flower Shop,
112 South 12th Street.
H. H. BATTLES, Proprietor.

**The Park
Floral Co.**
J. A. VALENTINE, Pres. DENVER, Colo.

Orders for Chicago and Vicinity
WILL BE FILLED BY
A. LANGE,
Telephone
Central 2522. 51 Monroe St., CHICAGO.

Orders for MINNESOTA or the North-
west will be
properly executed by
AUG. S. SWANSON
ST. PAUL or MINNEAPOLIS.

WILLIAM L. ROCK,
FLORIST,
1116
Walnut St., Kansas City, Mo.

J. J. Beneke,
1220
Olive Street, ST. LOUIS, MO.

S. B. Stewart,
119
No. 16th Street, OMAHA, NEB.

Seattle Floral Co.
4th Ave. and
Denny Way, Seattle, Wash.

Mrs. Chas. Eickholt,
2319
AVENUE M, Galveston, Tex.

RETAIL FLORISTS.

(CONTINUED.)

Chas. A. Samuelson, FLORIST,

2129 MICHIGAN
AVENUE,
Lexington Hotel,

CHICAGO.

Long Distance Phone South 1600-1601.

Chapin Bros.

127
So. 13th Street, LINCOLN, NEB.

SANTA CRUZ, CAL.

This city is now a bower of roses, the spring season of bloom being at its height.

W. E. King recently had an order for 2,000 feet of *Asparagus plumosus* to be used in a decoration at one of the hotels.

Thos. Thompson's carnations are a credit to that gentleman's ability as a grower. They rank with the best anywhere. He supplied several very attractive floral arrangements for Memorial day, cyclamen flowers being very effectually used in addition to carnations, roses, tuberose and adiantum.

E. Leedham has several acres of dahlias that promise to be very interesting this summer. Flower buds are already showing on some of the plants. His cut of daffodils was large this spring and will be still larger another season. His paper-roofed house has been very helpful in bringing in some of his bulbous flowers early and in lengthening their stems.

Geo. Butler & Son are preparing to devote their glass entirely to cut flowers and will make carnations a specialty.

Dr. Parker has some gloxinias that are remarkably well furnished with foliage. Each pot is placed in a saucer and they are watered from the bottom only. G.

PROVIDENCE, R. I.

Business since Easter has kept up fairly well, funeral work making up the greater bulk of the amount done. The weather since Easter has been almost entirely without rain and there has not been any outdoor stock to amount to much and most of the indoor stock is very small and pinched.

Decoration day brought plenty of business and plenty of stock. There were pinks from all quarters, good, bad and worse, with Christmas prices asked, but not always paid. The average price was 3 cents. Roses were of all grades and prices. Some lilies brought 6 to 8 cents. It's too bad the poor florists have to work so long and hard for so little at this time. The public wants something large and showy for very small amount and after making 150 per cent at Easter it's hard to come down to 50 per cent or less at Decoration time and have to handle about the same amount of stock.

Metal goods did not go as well as some seasons.

Next rush will be school work, and then away on our vacation. R. I.

THE MANUFACTURE OF PIPE.

BY WALTER WHETSTONE.

Read before the Florists' Club of Philadelphia June 2, 1903:

The subject of pipe is a very exhaustive one, and I doubt whether I can cover the subject except in a very superficial manner, owing to the fact that the time is limited. Without referring to the good pipe of twenty-five years ago, I will, in brief, sketch out the process of manufacture of the two kinds of pipe made today, namely, iron and steel, and will attempt to show you that one is superior to the other; in other words, that iron is preferable to steel in the majority of its uses.

Considering the primordial cause of pipe, we will take the ore, which is principally Lake Superior ore or Cuban ore, both of which are high grade materials. This is put into a furnace and melted and poured into pigs and called pig iron. These pigs are then put into a puddling furnace, which is a small pan-shaped affair, over which heat is played, and puddled entirely by hand into what we term "muck bar." The reason for puddling the pig iron is to rid it of its hardness by extracting the carbon from the iron and is performed by hand labor, simply stirring the molten metal with a long poker, so that the oxygen of the air comes in contact with every particle of the boiling mass and extracts the carbon, forming a carbon dioxide.

When this is done there is produced a more ductile substance called wrought iron. It is a rough looking material, yet is very much refined and is produced in slabs about six inches wide by three-fourths of an inch thick, but varying in length. These slabs are piled one on top of the other and fastened together with a wire and are called billets. These are put into a furnace again to be heated, preparatory to putting them through the sheet rolls. When they are heated to the proper welding point, they are put through rolls and made into sheets, and these sheets rolled to the exact width and thickness to correspond to the different sizes of pipe that the sheet is to be used in making.

Right here comes up a point as to distinguishing iron pipe from steel. It has been claimed by some that when pipe contains a blister or seems to be made of successive rolls of iron that the pipe, because it is hard is necessarily steel. The matter of pipe peeling off in layers is a conclusive test that the same is wrought iron, but the cause of it would be that some air has gotten between two successive layers, which has not permitted the iron to weld at this point. From this point on iron and steel pipe go through the same stages before the finished product is produced, so we will consider now the manufacture of steel pipe up to this point.

By the Bessemer process the pig, together with any steel scrap that the manufacturer may have, regardless of its quality, is put into the Bessemer furnace and reduced to a molten mass. In the bottom of this furnace there are a number of small holes through which a blast of air is introduced for the purpose of ridding the entire mass of its carbonaceous properties. If the blast of air performed its function as well as the puddler we would have no cause for complaint against steel pipe, but the difficulty is that the air cannot touch every particle of the molten mass. We, therefore, when this mass is run into ingots, as we term it, rather than "muck bar," find that the ingots contain too much carbon, and this ingot is really a low grade of steel, containing probably from 1 to 2 per cent carbon.

A high grade steel contains about 4 per cent of carbon, and when the steel contains this amount of carbon it will not weld. You will therefore see that a perfect weld can be made with a substance containing no carbon and that the degree of welding is dependent entirely upon the amount of carbon the iron contains, so that with no carbon we have a perfect weld and that anywhere from this point to 4 per cent carbon we have an indifferent weld. This is the fault found with most grades of steel pipe, not that it will refuse to stand the pressure exerted against it, but that so frequently the slightest work attempted on the pipe opens it up in its seams. To finish with the manufacture of steel pipe, this ingot is welded again and put through the rolls and made into sheets the same as in wrought iron.

I might say here that the process of puddling by hand to make wrought iron has never been improved upon; that is, no mechanical means has yet been invented to do the work of stirring that hand labor is now employed in doing. A great many inventors have tried to solve this problem, and the latest report that we have on the solution is that a man is constructing a plant now in Pottstown to experiment with mechanical puddling devices and we trust that he in a short time will have solved the problem, because iron pipe is not destined to last in this market very much longer, as most buyers today are looking for a cheap article, and price, rather than quality, is the thing that counts with the buyer. Just the other day I had a talk with a large manufacturer of wrought iron pipe with whom I have very close connection, and he told me that if they had to sell iron pipe for the price that steel pipe is quoted today they would have to go out of business inside of six months. It seems very strange at the same time that there are not more people willing to pay for a superior article of this kind, inasmuch as the best wrought iron pipe only costs 10 per cent more than what is termed a good steel pipe.

It has been said that iron pipe, to conform anywhere near to the price of steel pipe, is diluted with scrap iron. I do not know how all manufacturers make iron pipe, but I do know from personal observation that there is a mill with the product of which I am very closely identified that uses nothing but Cuban ore in the manufacture of its pipe. The only scrap used is wrought iron scrap that they make themselves by cutting off the ragged edge of a piece of pipe preparatory to its going to the machine for threading, and this entire amount of scrap amounts only to between 3 and 7 per cent of the output.

I have never had a close intimacy with a manufacturer of steel pipe, so do not claim that they use scrap, but if they used a high grade ore I would still contend, and rightfully so, that their finished product would not be as good as the iron product on account of the amount of carbon it must contain.

The finishing process of iron and steel pipe is exactly the same. The skelp, or sheet, is piled into the furnace until it reaches a certain temperature, when it is drawn out and put through scarfing rolls. This is for the purpose of flattening the edges so that when they lap over in the rolls there will be more bearing surface for the lap weld. The scarfing rolls are nothing more than two concave solid wheels working in conjunction with each other, through which the sheet passes and, only having a bearing on the outer edges, flattening the same on one side. This furnace would be termed a welding furnace and is used to manufacture pipe from 2-inch up. Smaller pipe than 2-inch is manufactured in the same way, but is put through what is termed a bell furnace. In other words, the pipe is drawn through a bell-shaped affair, and the weld, instead of being made by one side lapping over the other, is made by contact of the two edges. This is called butt weld. Here is where the steel manufacturers find their greatest difficulty, as it is difficult to get steel pipe to weld only by contact. Pipe, after it leaves the scarfing rolls, is again heated to a welding point and is then drawn through the rolls, between which is put and held in place a conical ball over which the pipe passes, and the pressure exerted on the rolls presses the edges of the pipe together, forming a tight lap weld. This, then, is marketable pipe, except that it has rough edges in it which have to be cut off and the length threaded, socketed, marked and shipped.

This covers the manufacture of pipe as it is done today, and now to refer to its uses and the life of the two kinds, I can only say this, that those people who have had experience with both kinds of pipe, both as regards the life of it and the ease in working it, prefer iron. Why is it that the manufacturers of boilers, in nearly every case, specify that the tubes in the boilers shall be charcoal iron and not steel? It is for this reason: They know that while the steel tubes will stand the same pressure, yet for some reason that has not been discovered a chemical action takes place on the steel tube that pits the tube full of pin holes, and this is done long before wrought iron tubes are worn out.

It has often been proven that steel pipe only lasts three-quarters as long as iron pipe in oil well work, but the reason that a great deal of steel pipe is used in the oil fields is that so much of the oil field work is prospecting and until a man strikes oil he is not willing to pipe the well with the material that will last longest.

CLASSIFIED PLANT ADVERTISEMENTS.

Rate for advertisements under this head, 10 cents a line net, per insertion. New advs. and changes must reach us by Wednesday morning at latest to secure proper classification in issue of Thursday.

ABUTILONS.

Abutilons Souv. de Bonn, Eclipse, Mrs. John Laing, Santana, Golden Fleece, 2½-in., \$2.50 100; \$20.00 1000.

R. Vincent, Jr., & Son, White Marsh, Md.

Abutilons, trailing var. and green, 3 and 4-in., extra large, fine, 6c. Smaller ones, 40c doz. Geo. M. Brinkerhoff, Springfield, Ill.

Abutilons Eclipse and splendens, 3-in., \$3.00 100. J. G. Eisele, 20th and Ontario Sts., Phila.

ACALYPHAS.

Acalypha marginata, fine bedder, 40c doz., \$2.50 100, \$20.00 1000; 25 at 100 rate; 250 at 1000 rate. Good & Reese Co., Springfield, O.

Acalypha Macafeana, \$3.50 100.

R. Vincent, Jr., & Son, White Marsh, Md.

ACHILLEAS.

Achillea The Pearl, white fl., 2½-in. pots, 30c doz., \$1.50 100, \$10.00 1000; 25 at 100 rate, 250 at 1000 rate.

Good & Reese Co., Springfield, O.

The CHEAPEST way, the EASIEST way, and the BEST way to get rid of that surplus stock is to use the REVIEW'S classified advs.

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Ageratum Stella Gurney, 2½-in., strong plants, \$2.50 per 100; \$20.00 per 1000. Cash with order. S. Muir, 3530 Michigan Ave., Chicago.

Ageratums Pauline, Gurney and Cope's Pet, R. C. Coe 100, \$5.00 1000; 2-in. pots, \$1.50 100. Cash. Ernest Harris, Delanson, N. Y.

Ageratums P. P. and Stella Gurney, 2½-in., \$1.25 100, \$12.00 1000. Cash. Buckley Plant Co., Springfield, Ill.

Ageratums, 3 varieties, 3½-in. pots, \$2.50 100. J. E. Felthousen, Schenectady, N. Y.

Ageratum Stella Gurney, 2½-in., \$3.00 100. Phoenix Nursery Co., Bloomington, Ill.

Ageratum S. Gurney, 2-in., \$2.00 100. L. Mosbaek, South Chicago, Ill.

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Alternantheras, red and yellow, out of 2-in. pots, \$2.50 100, \$22.50 1000. Cash with order. H. Stahlhut, New Lots Road and Shepherd Ave., Brooklyn, N. Y.

Alternantheras P. major and A. nana, 2-in. pots, \$1.50 100; \$15.00 1000. R. C. nana, 60c 100; \$5.00 1000. Cash. Ernest Harris, Delanson, N. Y.

Alternantheras, red and yellow; strong rooted cuttings, 50c 100; \$4.00 1000. Strong plants, 2-in., \$1.75 100. Davis Bros., Morrison, Ill.

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Alternanthera, red and yellow from flats, \$1.50 per 100, \$12.50 per 1000. Victor H. Thomas, Box 82, Augusta, Ky.

Alternantheras, red and yellow, strong plants, \$2.25 100; \$20.00 1000. Fred Rentschler, Madison, Wis.

Alternantheras, red, yellow and pink, bushy plants, \$2.00 per 100. Chas. A. Juengel, 1837 S. 14th St., St. Louis, Mo.

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Alternantheras, red, yellow and pink, 2-inch, \$2.00 100. A. J. Baldwin, Newark, Ohio.

10,000 fine alternantheras, 2½-in., \$3.00 100; \$25.00 1000. L. H. Foster, Dorchester, Mass.

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Alternantheras, 2½-in., \$1.50 per 100. Texas Nursery Co., Sherman, Tex.

Alternantheras, 2½ in., \$2.50 100. W. J. & M. S. Vesey, Fort Wayne, Ind.

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Alyssum, dbl. Giant, 2½-in., \$1.25 100; \$12.00 1000. Cash. Buckley Plant Co., Springfield, Ill.

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Asparagus plu. nanus, 2½-in. pots, 50c doz., \$3.00 100, \$25.00 1000. A. Sprenger, 2½-in. pots, 40c doz., \$2.00 100, \$17.50 1000; 3-in. pots, fine, 75c doz., \$5.00 100; 25 at 100 rate, 250 at 1000 rate.

Good & Reese Co., Springfield, O.

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Cannas, Mme. Crozy, Q. Charlotte, Flamingo, Fl. Vaughan, Austria, Henderson, and Yellow, 4-in., coming in bud, \$6.00 100. W. H. Gullett & Sons, Lincoln, Ill.

Cannas, 3-in. pots, 60c doz., \$4.00 100; dormant roots, mixed, \$1.00 100. Robusta, large roots, \$2.00 100. R. Vincent, Jr. & Son, White Marsh, Md.

Cannas, strong plants. Poltevine, Bouvier, Columbia, Mme. Crozy, Fl. Vaughan, Bismarck, etc., \$6.00 100. Godfrey Aschmann, 1012 Ontario St., Phila.

Cannas, Chicago, Fl. Vaughan, Crozy, Dreer, Papa and Black Prince, 4-in., \$5.50 100; \$50.00 1000. W. F. KASTING, Buffalo, N. Y.

Cannas, 10 best standard, named; potted, 4-in., \$6.00 100. Dormant, \$2.00 100. Cash. BENJ. CONNELL, West Grove, Pa.

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Cannas, started plants from 3-in. pots, good selection of varieties, \$4.00 per 100. STORRS & HARRISON CO., Painesville, O.

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Cannas, dormant roots, just starting. A. Bouvier, C. Henderson, \$1.25 100. C. L. Reese, Springfield, O.

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Cannas, mixed, 4-in., fine, \$6.00 100. Crabb & Hunter, Grand Rapids, Mich.

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	From soil.	From sand.	100.
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Mrs. Roosevelt ..	12.00	Apollo	5.00
Harlowarden ..	12.00	Harry Fenn	5.00
M. Field	12.00	Gale	4.00
Penelope	5.00	Cressbrook	4.00
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CHRYSANTHEMUMS—2½-INCH POTS. Eaton, Mrs. Chamberlain, Mrs. Jones, Lincoln, October Sunshine, Ivory, Appleton, Halliday, Shaw, Pacific, Parr, Adele, Monrovia, Willow Brook, Bonnafton, Pink Ivory, Polly Rose, Lavender Queen, Montmort, \$3.00 per 100.

Maud Dean, Golden Beauty, Chadwick, Golden Wedding, Childs, Intensity, \$4.00 per 100.

Kate Broomhead, Alice Byron, \$6.00 per 100. Convention Hall, F. J. Taggart, 60c each, \$5.40 per doz.

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White—Kalb, Kuno, Willowbrook, Mrs. Robinson, Mrs. Weeks, Mayflower, White Bonnafton, Yellow—Henderson, Monrovia, Nesota, Mrs. E. Smith, Goldmine, G. Wedding, Riemann, Yellow Jones, Pink—Perrin, Merula, Shaw, Dean, \$1.50 per 100. Halliday, Opah, Superba, Black Hawk, \$2.00 per 100. Pot plants, \$3.00 per 100. A. C. BROWN, Springfield, Ill.

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Plant your chrysanthemums now. 5000 fine plants, in all the best varieties, in from 2 to 3-in. pots. Surplus stock for sale now.

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Coleus, 2½-in., Golden Bedder, Golden Pink and Crimson Verschaffeltii, Annie Pfister, Massey and other varieties, \$2.00 100; \$17.50 1000. R. VINCENT, JR. & SON, White Marsh, Md.

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Coleus, 15 varieties, 2 and 2½-in., \$1.00 100; \$12.00 1000. Cash. Jos. H. Cunningham, Delaware, O.

Coleus Verschaffeltii, G. Bedder and fancy var., 2-in., \$2.00 100. L. Mosbaek, So. Chicago, Ill.

Coleus, Golden Bedder and 5 other varieties, 100, \$2.00; 1000, \$18.00. Geo. L. Miller, Newark, Ohio.

Coleus Verschaffeltii and Queen, from 2½-in. pots, \$2.00 100. Frank A. Pierson, Cromwell, Conn.

Coleus, 30 best kinds, named, 70c 100; \$6.00 1000. Cash. C. Humfeld, Clay Center, Kan.

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Coleus, rooted cuttings and 2-in. Write. Geo. A. Kuhl, Pekin, Ill.

Coleus, 2½-in., \$2.50 100; 3-in., \$3.50 100. W. J. & M. S. Vesey, Fort Wayne, Ind.

Coleus, assorted, strong, 2½-in., \$3.00 100. Phoenix Nursery Co., Bloomington, Ill.

Coleus, 12 varieties; 2-in., \$2.00 100. Cash. C. P. Dieterich & Bro., Maysville, Ky.

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Cycas revoluta stems, assorted sizes, 3 to 20 lbs. each.

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25 lbs. and over.....10c per lb.
50 lbs. and over.....9c per lb.
100 lbs. and over.....8c per lb.
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CYCAS STEMS, 2 to 3 lbs., 4 to 5 lbs., and 6 to 7 lbs., \$7.50 100 lbs.; \$65.00 1000 lbs. Stump & Walter Co., 50 Barclay St., N. Y.

Stunted plants, extra fine, 5 to 6 leaves, 60c each; 7 to 8 leaves, 75c each.

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Cyclamen, red, pink, white, white with eye, and Daybreak, extra fine color, flowers very fragrant; no better strain growing: \$2.00 100, \$17.50 1000; from flats, once transplanted.

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Dahlias, in ten best named sorts, 50c. doz., \$3.50 100, \$30.00 1000. 25 at 100 rate; 250 at 1000 rate. Good & Reese Co., Springfield, O.

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Daisies, dbl. Longfellow, Snowball and Maxima, mixed, transplanted, strong, \$5.00 1000; twice transplanted, in bloom, \$1.25 100. L. Mosbaek, So. Chicago, Ill.

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Dracaena indivisa, 4-in., 10c; 5-in., 20c each. M. F. LaRoche, Collingdale, Pa.

500 Dracaena australis, 2½-in. pots, \$3.00 100. Geo. Engel, Xenia, Ohio.

Dracaena Indivisa, 6-in., \$4.00 doz. Crown Point Floral Co., Crown Point, Ind.

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FERNS OUR SPECIALTY. Our first crop of fern seedlings is now ready for potting, comprising the following varieties: Pteris cretica, Pteris cretica albo-lineata, Pteris serrulata, Pteris serrulata densa, Pteris adiantoides, Aspidium taussimense, Lastrea chrysoloba, Lomaria Gibba, Doodia aspera, Onychium japonicum, Adiantum cuneatum and Adiantum pubescens. Equal numbers of each at \$1.00 per 100; \$8.50 per 1000. 500 at 1000 rate. If by mail add 10c per 100 for postage.

ASSORTED FERNS for dishes, from 2½-inch pots, \$3.00 per 100; \$25.00 per 1000. 250 at 1000 rate.

ADIANTUM CUNEATUM will pay you well to cut if planted out in benches.

4-inch pots.....100.
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FERNS. I make a specialty of small ferns for fern dishes, etc. Have a good assortment of the most hardy kinds and stock is in good shape. Nice, bushy stock, \$3.00 100; \$25.00 1,000. H. WESTON, Hempstead, N. Y.

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Boston ferns, 2½-in., \$6.00; 3-in., \$10.00 100; 7-in., \$1.00; 8-in., \$1.25 each. Cash. W. J. & M. S. Vesey, Fort Wayne, Ind.

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Boston ferns, all sizes. Fine Piersoni, in 2½-in. pots. JOHN SCOTT, Keap St., Brooklyn, N. Y.

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Feverfew, 2½-in., \$2.25 100. Converse Greenhouses, Webster, Mass.

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Fuchsias, in all the leading kinds, both double and single; fine, young stock, 40c doz., \$2.50 100, \$20.00 1000. 25 at 100 rate, 250 at 1000 rate. Good & Reese Co., Springfield, O.

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Six best varieties, 4½ and 5-in. pots, \$6.00 and \$7.00 100; 2-in., \$2.00; R. C., \$1.00. Victor H. Thomas, Augusta, Ky.

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Fuchsias, Little Beauty, 3-in., \$5.00 100. Carl Hagenburger, West Mentor, Ohio.

Fuchsias in variety, 2½-in., \$2.50 100. R. Vincent, Jr., & Son, White Marsh, Md.

Fuchsias, 2-in., \$2.50; 3-in., \$5.00 100. L. Mosbaek, So. Chicago, Ill.

Fuchsias, 2-in., \$2.00 100. Cash. Geo. L. Miller, Newark, Ohio.

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Genista canariensis, 2½-in. pots, 50c doz., \$3.00 100. Good & Reese Co., Springfield, O.

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Geraniums, cut-leaved rose (Dr. Livingston), 50c per doz., \$3.00 100. Silver Leaf, 50c doz., \$3.00 100. Distinction, 50c doz., \$3.00 100. Mme. Pollock, 75c doz., \$6.00 100. Cash with order. P. J. Agnew, Johnson av., Springfield, O.

Geraniums, dbl. and single; all the leading var., 2½-in. pots, 50c doz., \$2.50 100; \$20.00 1000. Mountain of Snow, silver-leaved, 50c doz., \$3.00 100. 25 at 100 rate; 250 at 1000 rate. Good & Reese Co., Springfield, O.

Geraniums. Brunt, La Favorite, Dbl. White, Commodore Nutt, King of the Scarlets and other fine sorts, 3-in. pots, extra strong plants, \$5.00 100; 4-in. pots, \$6.00 100. Cash. Critchell's, Avondale, Cincinnati, Ohio.

Geraniums. Mme. Sallerol and Mt. of Snow, 2-in., \$2.50 100. 1000 geraniums in bud and bloom, 4-in., \$6.00 100. Cash.

C. P. Dieterich & Bro., Maysville, Ky.

Geraniums in fine assortment, strong, 4-in. bushy plants, \$6.00 100. \$60.00 1000.

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Well branched and clear of black spot. Cash with order.
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Sansevieria zeylanica, 3-in., ready for 5-in., 75c per doz.

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Sedum variegata, 2½-in., \$2.00 100.

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Asparagus plumosus nanus, fresh, 85c 100; \$7.50 1000. Asparagus Sprengeri, fresh crop, 20c 100; \$1.00 1000. A. decumbens, finest novelty, \$1.00 100; \$7.50 1000. Areca lutescens, 75c 100; \$6.00 1000. Phoenix canariensis (true), 30c 100; \$2.50 1000. P. reclinata (true), 40c 100; \$3.00 1000. P. rupicola (true), 75c 100; \$7.00 1000. Primula sinensis flumbriata, in pure white, blood red, crimson, rose, white with yellow eye, blue, 25c 100; \$1.75 1000. All colors primulas mixed, 20c 100; \$1.50 1000. Cineraria hybrida grand. max. and dwf., pkt., 25c; 5 pkts., \$1.00.

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Pansy seeds, the Jennings strain. New crop seed now ready. Saved from finest stock. Finest mixed, 1 oz., \$5.00; pkt. of 3000 seeds, \$1.00; ½ pkt., 50c. Separate colors in blue, black, red, white and yellow, 50c per pkt. Cash with order.

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Will sell for cash, or will exchange.

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Use SULPHO-TOBACCO SOAP and have clean, healthy plants. Sample free cake if you mention The Florists' Review.

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Send for a 5-lb. trial pkg. of our TOBACCO POWDER. Our booklet tells of it. Write Dept. D. for it.
H. A. Stoothoff Co., 116 West St., New York.

Rose Leaf Extract of Tobacco will save you money. For free booklet write KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Tobacco dust, fresh stock, \$1.75 100 lbs.; stems about 100-lb. bales, 1c per lb. W. W. Barnard & Co., 161 Kinzie St., Chicago.

DUNNITE, a formula for preventing and remedying BLACK SPOT on rose plants. Write us. Dunne & Co., 54 West 30th St., New York.

Fresh tobacco stems, bales 200 to 500 lbs., 75c per 100 lbs. Freight paid. U. Outler Ryerson, 108 3d Ave., Newark, N. J.

Tobacco stems, fresh and strong, bale of 300 lbs., \$1.50. W. C. Beckert, Allegheny, Pa.

NICOTICIDE kills all greenhouse pests. Sold by all seedsmen.

PAINT AND PUTTY.

TWEMLOW'S OLD ENGLISH GLAZING PUTTY. An old article when goods were made for quality, not cheapness. It lasts a lifetime and is the best article today for all greenhouse glazing. Makes a firm, lasting bed for glass, unaffected by heat or cold. No leaky sash-bars when this is used.

1-gallon can (16 lbs.)..... \$1.25
5-gallon can 5.90
10-gallon can 12.00
20-gallon can 23.00
E. H. HUNT, 76-78 Wabash Ave., Chicago.

GOOD THINGS!

HAMMOND'S GREENHOUSE WHITE PAINT and TWEMLOW'S OLD ENGLISH LIQUID GLAZING PUTTY. In use by some of the largest florists in the United States. Write us for prices.

HAMMOND'S PAINT AND SLUGSHOT WORKS, Fishkill-on-Hudson, N. Y.

BUSINESS BRINGERS—

Review
Classified Advs.

POTS.

Standard Pots. We are now ready to supply a superior quality of pots in unlimited quantities. Catalogues and price lists furnished on application.

A. H. Hews & Co., North Cambridge, Mass.

Standard Flower Pots. If your greenhouses are within 500 miles of the Capital, write us; we can save you money. W. H. Ernest, 28th and M Sts., N. E., Washington, D. C.

Flower Pots. Before buying write us for prices. Geo. Keller & Son, 361-363 Herndon St. (near Wrightwood Ave.), Chicago.

Those RED pots. The right kind.

C. C. POLLWORTH CO., Milwaukee, Wis.

Red pots. Write for prices and sample pot.

Colesburg Pottery Co., Colesburg, Iowa.

SPHAGNUM MOSS.

Sphagnum moss of first quality. Can ship at a moment's notice—2 bales, \$1.50; 10-bale lots, \$6.00. Z. K. JEWETT & CO., Sparta, Wis.

Sphagnum moss. Write for prices on large quantities. Crowl Fern Co., Millington, Mass.

Fresh 5-bbl. bale, \$1.25; 3 bales, \$3.25; 5 bales, \$5.00. H. R. Akers, Chatsworth, N. J.

Sphagnum moss. Write for prices.

H. M. Robinson & Co., 11 Province St., Boston.

Sphagnum moss. H. J. Smith, Hinsdale, Mass.

TIN FOIL.

American brand FLORIST FOIL—The standard foil of America.
John J. Croke Co., 186 Grand St., New York.

TOOTHPICKS.

Wired toothpicks, 10,000, \$1.50; 50,000, \$6.25. Sample free. For sale by dealers.
W. J. COWEE, Berlin, N. Y.

Wired toothpicks, box of 10,000, \$1.50.

W. W. Barnard & Co., 161 Kinzie St., Chicago.

WIRE SUPPORTS.

Model Extension carnation supports and galvanized rose stakes. Parker-Bruen Mfg. Co., 208 Jersey St., Harrison, N. J.

Model Extension carnation supports; also galvanized rose stakes and tying wires.
Igoe Bros., 226 North 9th St., Brooklyn, N. Y.

WIRE WORK.

We are the largest manufacturers of wire work in the west. E. F. Winterson Co., 46, 47, 49 Wabash Ave., Chicago.

We are manufacturers—no middleman's profits. C. C. POLLWORTH CO., Milwaukee, Wis.

Emil Steffens, Manufacturer of Florists' Wire Designs. 335 East 21st St., New York.

Reed & Keller, 122 W. 25th St., New York. Manufacturers of Wire Designs.

E. H. Hunt, 76-78 Wabash Ave., Chicago.

THE LARGEST MAP.

Growing on six acres of a gentle southern slope of Tesson Hill at the Louisiana Purchase Exposition, St. Louis, is to be the largest geographically correct map ever constructed. The map is 480 feet long from east to west and extends from north to south 240 feet. The map is to be the main feature of the large open air exhibit by the Bureau of Plant Industry of the Department of Agriculture, and is personally superintended by D. A. Brodie. The idea is to show the United States, with growing crops planted as per the natural distribution.

The several acres were fenced off early in April, and the entire tract was richly fertilized. The ground was plowed and harrowed, the soil pulverized, and the entire tract sowed to cow peas. This crop not only enriches the soil, but prevents the growth of weeds. When an exhibit is ready to be installed the gardeners simply pull up the cow peas covering the space required, for the ground then requires but little work.

A belt of blue grass lawn 20 feet wide establishes the boundary and coast lines of this gigantic map. The boundary lines between the states are marked by cinder paths three feet wide. That part comprising the fourteen states and territories of the Louisiana Purchase is marked by a white gravel walk. Not only will the products of each state be shown on this map by growing crops, but the section of the state on which each commodity is most grown will be shown.

WOODSTOCK, ONT.—A. H. Ewing reports a lively interest in the Canadian Horticultural Association, which holds its sixth convention at Toronto September 2 and 3.

MIDDLETOWN, O.—Henry Behrens has his stock in good shape in his recently remodeled greenhouse.

DES MOINES, IOWA.—The articles of incorporation of the New Iowa Bird Company declare its objects to be to buy and sell seeds, floral stock, cut flowers, birds, aquarium supplies, etc. The incorporators are P. W. Madden, G. E. Madden and T. G. Rickman.

ST. LOUIS, Mo.—The World's Fair rose garden has now been increased to six acres. The site has proven all that was expected and the plants are making splendid progress.

BLOOMSBURG, PA.—Reports as to the season's work of Queen Louise carnation seem to have justified J. L. Dillon's faith in it.

OTTUMWA, IA.—C. Kranz reports the spring trade seriously interfered with by the continuous wet weather.

BIG RAPIDS, MICH.—C. M. Buskirk is building two greenhouses 18x100 for roses and carnations.

PLEASE STOP the advertisements in the REVIEW. It's all right selling what's on hand, but a fellow wants to kick himself when orders come in and he hasn't any plants left. I will have something else to offer in a few weeks.—AUGUST BECKER, Columbia, S. C.

"I AM sold out of stock and thank the REVIEW for it."—C. A. Schaefer, York, Pa.

THE AMERICAN CARNATION

HOW TO GROW IT.
FULLY ILLUSTRATED.

By C. W. WARD.

A PRACTICAL work on Carnation growing: complete in every particular, including the full calendar of operations for the year, with chapters on Soils, Fertilizers, Insects, Diseases, Heating. Each and every phase of commercial Carnation culture treated clearly and comprehensively. The book contains 290 large pages, finely printed. It should be in the hands of every grower.

Sent carriage paid on receipt of \$3.50.

Florists' Publishing Company,
Caxton Bldg., Chicago.

The FLORISTS' MANUAL by WILLIAM SCOTT

Price, \$5.00 Carriage Prepaid.

Florists' Publishing Co., CAXTON BUILDING, Chicago.

Is a book of 224 large pages (same size as those of the Florists' Review), and contains about 200 articles on commercial plants and cultural operations, each giving "the meat" only, from the personal experience of a thoroughly practical man who is in daily touch with each department of the business and who has that rare quality of being able to tell others what they want to know. The articles are arranged alphabetically, like those in an encyclopedia, and in an instant one can turn to the subject upon which light is desired at the moment. The book is illustrated by over 200 fine half-tone engravings. It is

A Complete Reference Book for
Commercial Florists

and is a whole library on practical commercial floriculture in one volume. It is very handsomely and substantially bound in half leather, with specially designed title in gold.

PLEASE MENTION THE REVIEW WHEN WRITING ANY OF THESE ADVERTISERS.

NURSERY NEWS.

AMERICAN ASSOCIATION OF NURSEYMEN.

Pres., Chas. A. Degenfritz, Monroe, Mich.; Vice-Pres., D. S. Lake, Shenandoah, Ia.; Sec'y, Geo. C. Seager, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-seventh annual convention will be held at Detroit June 10, 11 and 12, 1903.

PETERSON'S, Chicago, report the past season as showing a good gain over last year.

SPRING VALLEY, MINN.—G. A. B. Howell is now sole owner of the Spring Valley Nursery.

At the Iowa Agricultural College, at Ames, a series of experiments is being conducted to determine the value of evergreens as shelter belts for orchards, etc.

ROCHESTER, N. Y.—The Graham Nursery Co. has been incorporated with a capital stock of \$10,000. The directors are E. O. Graham, Cora M. Graham and J. M. Campbell.

GEORGE C. ROEDING, of Fresno, has been asked by the state commissioners to take the management of the horticultural exhibit of California at the St. Louis World's Fair.

CHARLESTON, W. VA.—The J. M. Neil Co. has been incorporated to succeed The Nursery & Seed Co. The capital is \$10,000 and the company will deal in seeds, nursery stock, implements, etc. J. M. Neil is secretary and treasurer.

THE twenty-seventh annual convention of the American Association of Nurserymen was opened yesterday with a very satisfactory attendance. There is an interesting program but it is the business transacted between the members which makes the success of the meeting.

NURSERY stock can now be sold in the state of Washington only after an annual license has been secured (dating from April 1) and bonds of \$2,000 are filed with the state horticultural commissioner, by principals. Dealers are required to pay a fee of \$5 for license and their agents \$2.50 each for permits to do business.

STROUDSBURG, PA.—A new industry has sprung up in Monroe county owing to the great demand for rhododendrons. William Elwine, Young Price and James E. Gravel are all working on contracts getting rhododendrons for shipment to Boston and other points. Over 100 carloads have been shipped from Cresco station during the last year. Thirteen carloads were shipped from Milanville.

CLEVELAND.

New Stores.

Cleveland, as a flower market, is growing very fast, and in order to supply the increased demand several new retail stores have been opened in the past few weeks. Mr. Harrison, formerly with the J. M. Gasser Co., has opened an up-to-date store on Pearl street, near Franklin. This location is one of the busiest on the west side. A few blocks further south, at 621 Pearl street, E. A. Wilhelm has established a fine trade. At 716 Lorain street the Ehrbar Floral Co. has been located for some time and is doing a good steady trade, with about all the design work

they can possibly handle at present. A short distance further west on the same street C. J. Hippler has opened a new store and reports that trade has been far beyond his expectations.

Various Notes.

In the East End A. Graham & Sons are very busy with plant trade and bedding. They have the cream of the trade in that section of the city. The F. R. Williams Co. has just finished planting a house 35x150 to roses. They are making a specialty of roses and maiden hair ferns, having 12 large houses devoted to Maids, Brides and Meteors, and two houses to adiantums for cut fronds. The foreman, Mr. Brown, has every reason to be satisfied with the condition of the place. The cut is all sold at wholesale from their store at 224 Huron street, where they do a general wholesale and commission business.

At the corner of St. Clair and Eddy Road J. W. Wilson has a fine place devoted to carnations. Mr. Wilson makes a specialty of this flower and has had very good success with it, sending in the finest blooms seen in the Cleveland market. His young plants in the field are as good as anyone could ask for.

On the same road are located the Kunze Bros., who grow a great many geraniums and bedding plants and who have a good trade established. Near them is Fred Ponting, who grows about 20,000 geraniums each year.

A. Schmidt, of Burton avenue, Glenville, seems to be very unlucky with his horses, having one of them run away the first part of the week, smashing the wagon. One of his other horses is very sick. Only a short time ago he lost one, which slipped on the pavement. Mr. Schmidt drives none but the best horses, consequently the loss is heavy.

Speaking of horses reminds us that Geo. Smith, of Wade Park avenue, has just purchased a fast one. He says it can beat a 2:20 clip. This is the gentleman who grows the seedling carnation, Magdaline, a very beautiful flower, and evidently a money maker.

H. R. Carleton, of Willoughby, Ohio, had a severe loss by hail on the night of May 24, nearly \$800 on glass alone, not to mention the damage to the plants, of which he had a large stock ready for Decoration day.

NEW BEDFORD, MASS.

We are surrounded today by smoke from the forest fires in the vicinity. We are not having as bad fires as they are having in Maine, but there are hundreds of acres of pine forests burning and the air is full of smoke. We have had a two months' drought, broken only by a little rain in the small hours of the early morning of May 30, when the tired florists were busy putting up their orders for early delivery. It did not wet the ground more than a quarter of an inch. If we do not get rain pretty soon all plants in the field, and all crops, will be ruined.

Memorial day was a record breaker for the store men, partly because there was so little outdoor stock available, which was quite a loss to some of the growers. All cut flowers were sold out, about the only outdoor bloom available being snowballs, and many of these had gone by. Plant trade was immense, particularly on geraniums. There was also a large sale on metallic designs.

R. E. Nofftz is planning a trip to Europe on Memorial day profits, and expects to sail the first week in July.

W. G. Kraber will leave us the last of June to start in a new field.

H. V. Sowle has opened a store in the North End.

Robt. Greenlaw, of N. F. McCarthy & Co., Boston, was a recent visitor.

C.

KANSAS CITY.

Notes.

This city has just had a most disastrous flood, all our small towns close around suffering alike. It rained here for forty-eight hours steadily. The water was fifteen feet over low water mark. There were 15,000 people out of homes, some of them being left with just the clothes on their backs. Our east and west bottoms were all under water. That is where all our factories and wholesale implement houses and our old Union Station are. The water was nine feet all around it. Our stock yards were a sea of water. All our bridges on the Kansas side were gone, eight in all. Our city was out of city water for forty-eight hours, and then such water! You have to boil it and strain it before you can use it.

The only florist who was flooded was D. Freudenthal, on Union avenue, opposite the Union Station. His place was water to the ceiling and he is on the ground floor. Everything was a loss.

There was no flower business done. Nobody in town wanted any flowers and we could not ship any out of town, as there was water all around us. But everything is coming around in good shape now. Some of the florists did a little business at the tail end of the week.

Visitors during the flood were Mrs. Burns, of Leavenworth, Kans., and George M. Kellogg and "Billy" Bastin, of Pleasant Hill, Mo.

L. M. S.

W. & T. SMITH COMPANY, GENEVA, N. Y.

Wholesale Growers of Ornamental Trees, Shrubs, Roses, Clematis, Fruit Trees, and Small Fruits in great variety.

Send for our Wholesale Price List.
Mention The Review when you write.

Send to **THE MOON** Company
For { Trees, Shrubs, Vines,
Your { and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.,
Morrisville, Pa.

Mention The Review when you write.

The Best Investment for Spring,
1903, is the

'Anna Foster' Fern

Plants from 3-inch pots at \$20 per 100. See Am. Florist, April 4th, page 386.

Boston Ferns—20,000 now ready at \$25.00 per 100; cut from bench. Orders booked for small Bostons, summer delivery, at \$5.00 per 100; \$40.00 per 1000.

100,000 Bedding Plants in Geraniums, Heliotropes, Ageratums Vincas, German Ivy, Coleus, Alternantheras, Lemon Verbenas, Asters, etc.

Excellent Kentias, \$50, \$75, \$100 per 100.

Rubbers, red ribbed, 2 feet, \$6.00 per doz.

L. H. FOSTER, - Dorchester, Mass.

Mention The Review when you write.

Quick Profits! Low Prices!

THE ANNA FOSTER FERN

This Fern is fast growing in popularity. There is no fern grown which will return profits so quickly. Being a female frond Plant it reproduces faster than any Nephrolepis yet introduced. The price is so low the buyer is sure of large profits. The \$20 per 100 plants will make \$1 and \$2 plants by Fall. This Fern once seen sure to sell. I am now ready with as fine a lot of plants as was ever offered. 3-inch pot grown, \$20 per 100. Plants from bench for 5-inch, \$6 per doz.; for 6-inch, \$9 per doz. Plants in pots, 6-inch, \$12 per doz.; 7-inch, \$24 per doz.; 8-in., \$36 per doz.; 9-inch, \$4 each; 10-inch, \$5 each. These are beautiful plants for immediate sales. The call for large plants in New York, Chicago and other cities has been such I have been unable to fill my orders since January 1st until this month. These plants are grand for summer decoration.

BOSTON FERNS Also now ready 20,000 Boston Ferns at \$25 per 100, cut from bench. I hope to have 100,000 Small Boston for summer delivery at \$5 per 100; \$40 per 1000. Book your orders early. Bostons will be in great demand next season. Pot plants now ready, 6-inch, \$6 per doz.; 7-in., \$9 per doz.; 8-in., \$15 per doz.; 9-inch, \$24 per doz.; larger plants, 10-inch and 12-inch on application. Also 10,000 Kentia Palms. 10,000 Alternanthera, 2 1/2-inch, good, \$25 per 1000.

L. H. FOSTER, 45 KING STREET, DORCHESTER, MASS.

Mention The Review when you write

SAN FRANCISCO.

The Market.

Decoration day business was good, although I do not think it was any better than that of last year. Flowers were very plentiful, very cheap and of good quality throughout. Shipping business was better than last season. I refer to the sending of flowers to the interior of the state and also to Oregon, Nevada, Utah and Arizona. We have about a dozen florists in town who seem to handle most of the out-of-town orders and they had about all they could do. The weather was all that could be desired.

Roses are a glut at present, but the quality, owing to the few weeks of warm weather we have had, is nothing extra and poor color and poorer stems are the rule. Bridesmaids and Brides are offered in large quantities at almost any price. Carnations are also nothing to brag of, but a few good fancies are exhibited in some of the windows. Sweet peas are good and cheap; the price averages 50 cents per dozen bunches, wholesale. Other outdoor stuff has very little value.

The Bride gladiolus was a good seller and brought \$1.50 per hundred spikes. Calla lilies have been in some demand and sold at \$1 per hundred blooms.

Notes.

Thos. H. Stevenson reports a splendid trade in his new store in the Palace Hotel. Mr. Stevenson keeps a good supply of the best flowers on hand and his business is steadily growing in the right direction.

F. Ludemann has taken his son, Fred, Jr., into his office as a bookkeeper. This position was occupied for several years by his daughter, recently married.

Wm. Kohler has assumed entire control of the greenhouses formerly owned by Chas. Haselbacher, at Oakland, and lately managed by his widow.

A visit to the nurseries of Chas. Abraham, on Greenwich street, shows everything in good shape and plenty of propagating being attended to preparatory to another season's business.

E. Grotting has taken charge of the grounds of the Sacred Heart Convent on Webster street, Oakland. G.

MT. VERNON, IND.—M. L. Doerr has bought the greenhouses and business of M. L. Loudon.

MADISON, N. J.—Righter & Barton are building some new Pierson-Sefton houses.

YOUNG GRAFTED ROSE PLANTS FOR SALE.

Having made some changes in our plans for replanting We offer the following stock selected for our own use.

2,000 LIBERTY, 2 1/2-inch pots, per 100	\$12.00
700 BRIDES, 2 1/2-inch pots, per 100	10.00
3,700 BRIDES, 3 1/2-inch pots, per 100	12.00
1,400 MAIDS, 2 1/2-inch pots, per 100	10.00
1,200 MAIDS, 3 1/2-inch pots, per 100	12.00
14,000 AM. BEAUTIES, 2 1/2-inch pots, own roots, per 100	4.00

2-inch SMILAX, per 100 \$1.50

All plants will be shipped from Hinsdale, Ill.

BASSETT & WASHBURN,
76 Wabash Ave. CHICAGO, ILL.

To Clean Out.

GOLDEN GATE, 2 1/2-in. \$2.50 per 100; \$20.00 per 1000
AMERICAN BEAUTY, 2 1/2-in. 4.00 per 100; 35.00 per 1000

These plants are all in fine condition.

Am. Beauty Bench plants cut down to 12 inches, \$5.00 per 100; \$40.00 per 1000

JOHN MUNO,

51 Wabash Ave., CHICAGO, ILL.
GREENHOUSES: ROGERS PARK.

Mention the Review when you write.

...ROSE PLANTS...

GOOD STOCK FROM 2 1/2-INCH POTS.

	Per 100	Per 1000		Per 100	Per 1000
BRIDESMAID	\$3.00	\$25.00	GOLDEN GATE	\$2.50	\$20.00
BRIDE	3.00	25.00	OLIVER AMES	3.00	25.00
PERLE	3.00	25.00	IVORY	3.00	25.00
AM. BEAUTY, bench plants	4.00	30.00	METEOR	\$3.00 per 100; \$25.00 per 1000.	

GEO. REINBERG, 51 Wabash Avenue, CHICAGO.

Always mention the Florists' Review when writing advertisers.

E. F. WINTERSON CO.

Successor to McKELLAR & WINTERSON,
45-47-49 Wabash Ave., CHICAGO.
THE MODERN SUPPLY HOUSE.

Remember we are HEADQUARTERS on all CUT FLOWERS, our mainstay.
SPECIALTIES FOR

School Closings and June Weddings

ANNUAL CLEARANCE SALE.

To close out surplus stock we will offer the following
goods at greatly reduced prices until sold. Orders filled
in rotation. ORDER QUICK to INSURE THESE PRICES.
CASH WITH ORDER.

SPHAGNUM MOSS—Clean and fresh. 5 bales, \$4.00; 10 bales, \$7.00;
25 bales, \$16.50.

WHEAT SHEAVES—Per doz., A, \$1.40; B, \$2.25; C, \$3.25; D, \$4.50;
E, \$5.50; F, \$7.00; G, \$9.00.

RIBBONS—Best florists' satin, all colors, per bolt, No. 5, 50c; No. 9,
80c; No. 12, \$1.05; No. 16, \$1.15; No. 22, \$1.35.

CYCAS LEAVES—Best imported stock. 24-inch, \$2.00 per doz.;
40-inch, \$4.00 per doz.; 24 to 48-inch, assorted, \$15.00 per 100.

Fine line of JARDINIERS and GLASS VASES JUST ARRIVED. Write for Special Prices.

CANE STAKES—4 to 8 feet long, \$4.00 per 1000.

BASKETS—All kinds in assortments, \$5.00, \$10.00 and \$25.00. 10 per
cent. less than regular prices.

TIN FOIL—Either 5 or 7-inch. 5 lbs., 46c; 10 lbs., 60c; 25 lbs., \$2.00;
100 lbs., \$8.00.

WHITE PAMPAS PLUMES—Select stock. Per 100, \$2.50; per 1000,
\$20.00. Colored Pampas Plumes, assorted colors, per 100, \$5.00.

TISSUE PAPER—Per bundle, \$4.00.

Roses.

1,000 AM. BEAUTIES, 3-in.,
fine, clean stock, \$7.00 per 100.

PERLES, 3-inch, 7c; 4-inch, 12c.

METEORS, 4-inch, 10c.

All A 1 Stock.

Pittsburgh Rose and Carnation Co.
VALENCIA, PA.

PERLES AND METEORS.

1000 Perles, 3-in., 4c.
500 Meteors, strong, 3½-in. pots, 5c.
2000 S. A. Nutt ger., extra strong, 2-in., \$3.00
per 100. 1000 Finest Double Pink bedder, Ger.,
extra strong, 2-in., \$3.00 per 100. 4000 S. A. Nutt,
fine plants, 4-in. 1000 Finest Double Pink bedder,
Ger., 4-in., \$8.00 per 100. 2000 Mme. Sallerol, 2c.
Sample free. Plants are all exceptionally fine.
GESLER & DRURY, GALESBURG, ILL.

Sunrise.

A healthy free-blooming rose
of beautiful saffron color that
every florist should plant.
Two first prizes won at the National
Rose Show.

PRICE—3-inch pots.....\$9.00 per 100.

JOHN WELSH YOUNG,
GERMANTOWN, - - PHILADELPHIA, PA.

Upsal Station, Penn. R. R.
Mention the Review when you write.

YOU WILL
FIND ALL THE BEST
OFFERS ALL the time in the
Review's Classified Ads.

ROSE PLANTS

	Per 100	Per 1000		Per 100	Per 1000
Pierre Notting, 2½-inch.....	\$8.00	\$75.00	Ivory, 2-inch.....	\$4.00	\$35.00
Sunrise, 2½-inch.....	7.00	65.00	Ivory, 3-inch.....	5.00	45.00
Golden Gate, 2½-inch.....	2.50	20.00	Perle, 3-inch.....	5.00	45.00
Meteor, 3½-inch.....	4.50	37.50	Liberty, 3-inch, very fine stock.	10.00	80.00

American Beauty,

bench plants, cut down to 12 inches
high. \$5.00 per 100;
45.00 per 1000.

All stock sold under express condition that if not satisfactory it is to be returned
immediately when money will be refunded. No plants or cuttings sent by mail.
Cannot accept orders for less than 50 of a variety.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

Mention The Review when you write.

Am. Beauties.

Young plants from 2 by
3-in. rose pots. Ready
to ship.

\$6.00 per 100.

\$50.00 per 1000.

Joseph Heacock, Wyncote, Pa.

Mention The Review when you write.

ROSE PLANTS == To Clear Out.

2000 AMERICAN BEAUTY.....\$40.00 per 1000
2000 IVORY.....80.00 "

2-inch, strong, clean stock, first-class in every way.

J. A. BUDLONG, 37-39 Randolph Street, CHICAGO.

Mention The Review when you write.

PORTLAND, ORE.

We were recently honored with a visit from the nation's chief executive, and we gave him a genuine northwestern reception. We gave him a regular Oregon baptismal, for it rained a hundred and one times in as many minutes. We fed him on Columbia River salmon and Oregon strawberries, a diet, as the President expressed it, well adapted to those leading a "strenuous life." The veteran Pfunder decorated the President's carriage, and Martin & Forbes, who have the Portland Hotel trade, did the decoration for the banquet tendered by the leading citizens. While in Portland the President laid the corner stone of the monument dedicating the Lewis and Clark Fair.

That the people of the northwest are not lacking in patriotism was fully demonstrated by the liberal way in which flowers were used on Memorial day. In our temperate climate there is usually an abundance of good outdoor material at this season, but this year most of the early stock was gone or spoiled by the heavy rains, thus giving the florists an advantage. We had an immense call, both for cut flowers and design work. Roses and carnations were on in full crop and prices advanced 25 per cent. Some good peonies were to be had and retailed at \$2 per dozen. The white pond lily, grown only in limited quantities here, sold readily at \$1.50 per dozen. The first sweet peas made their appearance on the 29th and commanded immediate recognition. There was also a good demand from the rural districts, and, as a large percentage of our population is from the middle west, flowers were shipped to points as far distant as Minnesota, Nebraska and Iowa.

Every one reports a general clearing up of bedding plants. This branch of the business shows a most satisfactory increase every year. Clarke Bros. are the leaders in this line, and a neat little plant catalogue, issued annually and circulated through Oregon, Washington and Idaho, has proved so valuable an advertisement that it takes the capacity of a big range of houses to supply the demand.

We were pleased to have a call from and to compare notes with Frank Milang, of New York City, who was recently touring the northwest.

H. J. M.

Palm Seeds

JUST ARRIVED per Steamer Sonoma FROM AUSTRALIA.

Areca Baueri.....	25c per 100;	\$2.00 per 1000
Kentia Belmoreana...	35c	2.50
Kentia Forsteriana...	35c	2.50
Pritchardia Seamanii...	\$4.50	
Erythra Edulis.....	75c	6.00

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Inch.	No. of Leaves.	Height, Inches.	Per Doz.	Per 100.	Per 1000.
2 1/2	3 to 4	8	\$1.50	\$12.00	\$100.00
3	4 to 5	10 to 12	3.00	15.00	140.00
4	5 to 6	15 to 18	4.00	25.00	225.00
5	5 to 6	18 to 22	6.50	50.00	
5 1/2	5 to 6	22 to 24	9.00	75.00	
			Each.	Per doz.	
6	6 to 7	24 to 26	\$1.00	\$10.00	
6	6 to 7	26 to 28	1.25	15.00	
6	6 to 7	28 to 30	1.75	21.00	
7	6 to 7	30 to 33	2.50	25.00	
7	6 to 7	33 to 36	3.00	36.00	
7	7 to 8	36 to 40	4.00	48.00	
8	7 to 8	40 to 45	5.00	60.00	
8	7 to 8	45 to 50	6.50	75.00	
8	7 to 8	50 to 55	7.50	85.00	
9	7 to 9	50 to 60	10.00	115.00	
10	7 to 9	60 to 65	12.50	145.00	
12	tubs.....	65 to 70	15.00		
12	made-up plants,	7 to 8 ft.	25.00 to \$35.00		

KENTIA FORSTERIANA.

Inch.	No. of Leaves.	Height, Inches.	Per Doz.	Per 100.	Per 1000.
3	3 to 4	12	\$2.00	\$15.00	\$140.00
4	4 to 5	15	4.00	25.00	225.00
5	5	15 to 18	6.00	50.00	
5 1/2	5	18 to 20	7.50	60.00	
6	5	20 to 24	9.00	75.00	
			Each.	Per doz.	
6	5 to 6	24 to 28	\$1.00	\$10.00	
6	5 to 6	28 to 30	1.25	12.00	
6	6	30 to 32	1.50	15.00	
6	6 to 7	32 to 36	2.00	20.00	
7	6 to 7	36 to 42	3.00	30.00	
8	6 to 7	48 to 52	4.00	50.00	
9	6 to 7	60 to 65	7.50		
10	6 to 7	65 to 75	12.50		
12	tubs, 7 to 8	7 to 8 ft.	18.00		
12	" made-up, 7 to 9 ft.		20.00 to \$30.00		

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MONTREAL.

Considering the busy season, the last club meeting was well attended. The executive committee's report was presented by W. Horobin, the secretary. It was decided to go to St. Rose for the annual picnic and make it "the best ever." G. Vreugde, of Lachine, read an essay on grafting and budding, illustrated by specimens. Upon request of the club Mr. Gibb, of the Civic Garden, consented to prepare a paper to be read before the C. H. A. at the annual convention. A. Wilshire was elected to the executive committee.

Trade is keeping "so so," with an oversupply of roses and carnations. Bedding plants are moving fast, but coleus and tender stuff is scarce, owing to the late frost. After two months of drought it is useless to speak of outdoor flowers. The young carnations are planted, but in some places only after the fields had been watered for days. Nothing grows.

C. Gorman is building a new house for mums and P. McKenna & Son one for miscellaneous plants.

W. Alcock is convalescing after an operation in the hospital.

A BEE.

ORANGE, N. J.

The monthly meeting of the New Jersey Floricultural Society was held June 3. The display of flowers, fruits and vegetables filled the entire center of the room. Peter Duff's collection of vegetables and an adiantum grown by D. Kindsgrab received the maximum number of points. The names of the donors of the four silver cups were made public for the first time and were Sydney Colgate, John Crosby Brown, O. D. Munna, J. Van Gasbeck and W. Jenkins, all of Orange. A paper read by Andrew Grierson, gardener for Mrs. Hicks Arnold, Port Chester, N. Y., on the cultivation of outdoor roses was listened to with marked attention.

On June 5 the rose contest for the silver cup donated by Major Isaac Schoenthal was held. Considerable care had been given to the decoration of the room, in addition to the roses which filled the center. All the near-by private estates were represented in one way or another. The winner of the cup was D. Kindsgrab, gardener for Wm. Runkle.

J. B. D.

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" No. 5....4x8	x22....	3.10	27.00 "
" No. 6....4x8	x28....	3.75	35.00 "
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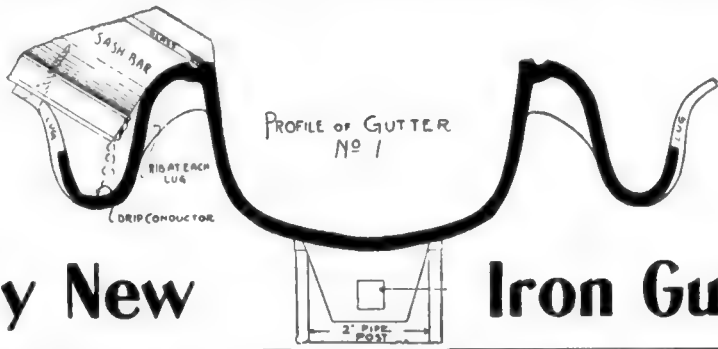
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G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

530-535 Caxton Building.

334 Dearborn Street, Chicago.

NEW YORK OFFICE: City Island, N.Y.

J. AUSTIN SHAW, Manager.

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INDEX TO ADVERTISERS.

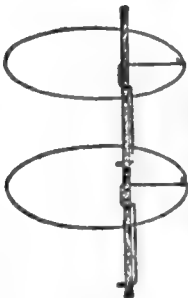
This index covers only those having displayed advertisements. There is a host of others making offers in our classified ads. and they will be found there under their proper headings.

Allen, J. K.	96	Hicks & Crawbuck	97
Amling, E. O.	91	Hill Co., E. G.	114
Aschmann, Godfrey	11	Hippard, E.	117
Baker, W. J.	95	Hitchings & Co.	116-18-20
Ball, C. D.	97	Holton & Hunkel Co.	99
Barnard & Co.	81	Humfeld C.	116
Bassett & Washburn	98-112	Hunt, E. H.	82-92-93-117
Baur Co., S. A.	81	Igon Bros.	117
Bayraderdorfer & Co.	81	Jacobs & Son	118
Becker, W. C.	93	J. Ineson & Stokes	91
Bencke, J. J.	10	Jurkens Aug.	98
Bentley & Co.	93	Kasting, W. F.	81
Berger H. H. & Co.	82	Kellogg, Geo. M.	90
Bernheimer, E.	95	Kennicut Bros Co.	81
Bernig, H. G.	99	Krammer & Son	119
Bobblin & Atkins	114	Kreshover, L. J.	97
Bonnot Bros.	96	Kroeschel Bros. Co.	120
Bowe, M. A.	100	Kuehn, O. A.	99
Bradshaw & Hartman	96	Kuhl, Geo. A.	94
Brant & Noe	95	Lager & Hurrell	95
Breitmeyer's Sons	97-10	Lange, A.	100
Broß J.	115	Larkin Soap Co.	119
Brown & Son, B. S.	116	Lecakes & Co., N.	97
Brune, H. N.	98	Limbach, C.	119
Buckley Plant Co.	115	Livingston Seed Co.	117
Budlong, J. A.	93-113	Longren, A. F.	116
Burpee, W. Atlee & Co.	92	Loomis Floral Co.	115
Caldwell Co., W. E.	118	Lord & Burham	120
Caldwell The Woodsman Co.	95	Ludemann, F.	114
California Carnation Co.	92	McConnell, Alex.	110
Century Flower Shop	100	McCullough's Sons	99
Chapin Bros	101	McManus James	96
Chicago Carnation Co.	81	Manhattan Supply Co.	91
Clarke Bros	100	Michigan Cut Flower Exchange	99
Clarke's Sons, David	100	Millang, O.	96
Classified Advs.	102	Moninger Co., J. O.	119
Cottage Gardens	114	Moon Co., W. H.	110
Cowee, W. J.	98	Moore, Hentz & Nash	96
Crabb & Hunter	116	Mosbaek, L.	115
Crowl Fern Co.	99	Moss, Isaac H.	97
Crooke Co., J. J.	117	Muno, John	98-113
Cunningham, J. H.	111	Murphy, Wm.	99
Dearborn Engraving Co.	94	Nanz & Neuner	96
Dietsch, A. & Co.	119	National Florists' Board of Trade	97
Diller, Caskey & Co.	118	N. Y. Cut Flower Co.	96
Dillon, J. L.	111	Niessen, Leo	93
Dillon Greenhouse Mfg. Co.	120	Park Floral Co.	100
Dorner, F. & Sons Co.	115	Parker-Bruen Co.	119
Dreer, H. A.	95-120	Pennock, S. S.	91-95
Dunne & Co.	82	Perrins, J. J.	97
Elekhoit, Mrs. Chas.	100	Philadelphia Wholesale Flower Market	97
Ellis, F. M.	99	Pierce Co., F. O.	116
Fellouris, A. J.	98	Pierson, A. N.	97
Florists' Hall Asso.	114	Pierson, F. A.	111
Foley, J. J.	96	Pierson Co., F. R.	81-82
Foley Mfg. Co.	117	Pierson-Sefton Co.	120
Foster, L. H.	111-12 16	Pittsburg Cut Flower Co.	96
Garland, Geo. M.	121	Pittsburg Rose and Carnation Co.	113
Garland, Frank	98	Poehlmann Bros.	98-111
Gesler & Drury	113	Polworth Co.	115
Gesler Co., J. M.	100	Quaker City Machine Works	120
Geller, Sigmund	82	Randall, A. L.	98
Ghormley, W.	96	Rawlings, E. I.	97
Giblin & Co.	121	Reed & Keller	84
Gibbons, H. W.	119	Regan Ptg. House	117
Good & Reese Co.	93	Reid, Edw.	96
Greenhouse Mfg. Co.	120	Reinberg, Geo.	98-110
Gude & Bro., A.	100	Reinberg, P.	98-111
Gullett & Sons	116	Rice, M. & Co.	82
Guttman, A. J.	97	Riedel & Co.	96
Hammond, J. A.	96	Robinson & Co.	114
Hancock, Geo. & Son	92	Rock, W. L.	100
Harbison, S. M.	94	Roeh's Julius	115
Hauswirth, P. J.	110	Rupp, J. F.	114
Hiscock, Jos.	111 13	Ryerson, U. C.	117
Herr, A. M.	93	Salter, W. H.	95
Herrmann, A.	95	Saltford	110
		Saltford, Geo.	96
		Sampson, Wm.	97

Samuelson, C. A.	101	Traendly & Schenck	97
Sands, W. B.	98	Van Horne, Griffen & Co.	119
Schmitz, F. W. O.	82	Vesey, W. J. & M. S.	116
Scolay, J. A.	120	Vincent, Jr. R. & Son	114
Scott, John	115	Virgin, U. J.	100
Scott, W.	100	Wagner Park Conservatories	115
Seattle Floral Co.	110	Weathered's Sons	120
Sheridan, W. F.	96	Weber, F. H.	100
Shibele, J.	100	Weber & Sons	97
Siebert C. T.	117	Weiland, M.	100
Siebrecht & Son	100	Weiland & Risch	98
Sievers & Boland	100	Whetstone & Co.	119
Sinner Bros	98	Whitton, S.	115
Skidelsky, S. S.	115	Wiegand & Sons	100
Smith, H. J.	99	Wietor Bros.	98
Smith & Son, N.	115	Wint-rich, C.	115
Smith Co., W. & T.	111	Winterson Co., E. F.	113
Stern, J.	82	Wittbold Co.	110
Stewart, S. B.	110	Wilks Mfg. Co.	118
Stoothoff Co., H. A.	117	Young, John	96
Stumpp & Walter	92	Young, J. W.	113
Swanson, Aug. S.	100	Young & Nugent	96
Thaden & Co.	118		
Thorburn J. M. & Co.	95		
Tobacco Warehouse-ing & Trading Co.	117		

THADEN'S WIRE TENDRIL

TESTIMONIALS.



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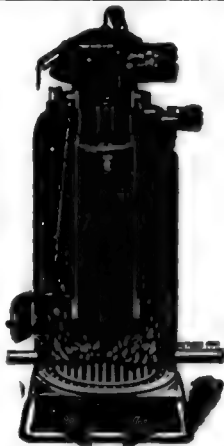
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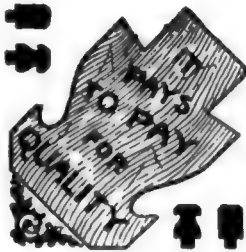
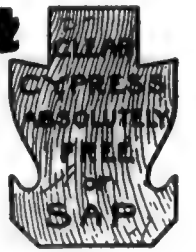
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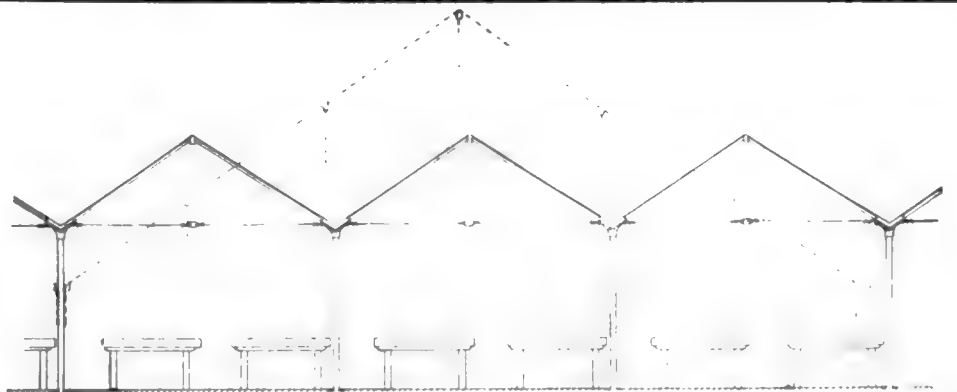
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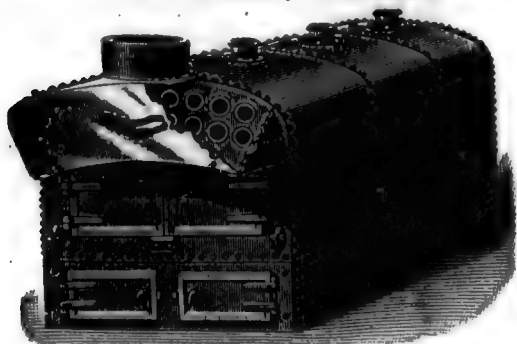
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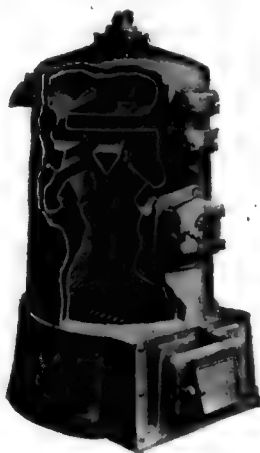
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A JOURNAL FOR FLORISTS, SEEDSMEN AND NURSERYMEN.

FLORISTS' PUBLISHING CO., 520-535 Oaxton Building, CHICAGO.

Vol. XII.

CHICAGO AND NEW YORK, JUNE 18, 1903.

No. 290.

THIS SPACE BELONGS TO THE
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SEE OUR ADV. OF
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ON PAGE 122.

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A few thousand at 85c per 100; \$7.50 per 1000.

Asparagus Sprengeri, fresh crop.....	\$.20	\$1.00
Decumbens, finest NOVELTY.	1.00	7.50
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Primula sinensis fimbriata, in pure
white, blood red, crimson, rose,
white with yellow eye, blue..... .25 1.75
All colors Primula mixed20 | 1.50 |

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	12	100	1000
1/4-3/4-inch.....	\$.05	\$.30	\$2.50
3/4-1 1/2-inch.....	.06	.50	3.50
1 1/2-2-inch.....	.10	.75	6.00
2-2 1/2-inch.....	.15	1.00	8.00
1-inch, Monster.....	.20	1.25	10.00

CALLA ETHIOPICA, ready August, healthy,
sound, center shoots.

	12	100	1000
1-1 1/2-inch diameter	\$.50	\$3.75	\$35.00
1 1/2-2 "85	6.00	55.00
2-2 1/2 "	1.00	8.00	75.00
Monster	1.50	10.00	

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MISCELLANEOUS SEASONABLE HINTS.



Valley.

Many of us will be growing a few hundred valley during the summer months, some from pips we have in our own ice houses, and some getting them weekly from the firms that keep them in cold storage and send them on to the retail growers. In the early summer months they usually flower very satisfactorily if treated at all right. Chop off but a half inch or so of the ends of the roots; give them a depth of sand in the boxes or beds equal to the length of the root; have the glass over them rather heavily shaded; but what is most particular of all is not to let any draughts strike them, such as open doors may cause. Give them water daily and on very hot days twice. What may not be known to all, yet which is of vital importance, is not to wet the bells after they begin to color, or rather to whiten. Water the sand, but don't wet the flower spike. I have never been able to see that the valley flowers develop much if any after they are cut, so they should not be cut until every bell is white. Yet it is always most desirable that the spikes should be cut twenty-four hours before being sold or used and put into a jar of cold water, because they do not then wilt, as fresh cut flowers do, and this applies to almost all the flowers we use.

The use of some green foliage with many flowers that do not supply their own is more and more in use and is only good taste. The eye soon tires of any color—red, pink, yellow—unless subdued and softened by nature's color, green. And of all the pretty foliage, the maidenhair fern is queen and there is no king.

Smilax.

Before I speak of adiantums, etc., let us be reminded that the good old smilax has been in great demand and very scarce this past winter and spring. A few years it went slightly out of fashion, sold cheap, and growers dropped it, which accounts for its scarcity, and when an article is hard to obtain it is in fashion. It is so simple to grow and the simplicity of its culture so well known that I am merely going to say now that a bed or bench the size of your requirements should be on every retailer's place. When you want fifty strings you can buy them, but when you want five strings in a hurry it is nice to have them on the place. And I believe that a house of smilax, well grown, is just as profitable as a house full of carnations or many other things.

Smilax should be planted by the first of July, then by the next July you will have cut four crops. It should be replanted every year with strong, 3-inch pot plants. It should have six to eight inches of heavy loam, with a fourth or even more of animal manure. Whether it is on the floor or on a low bench matters little, except that you want head room, and it is more convenient to tie when it is planted near the surface of

the house. To be profitable it should have 60 degrees at night throughout the winter, and lots of syringing to keep down red spider. Always begin at one end of the bed and clear it off as you need it, because then the plants are at once deprived of all their growth as they are when you cut a string. They should not be watered until they have started to make new growths or the fleshy roots will rot.

Adiantums.

Adiantum cuneatum is the fern most generally grown for cutting. A. decorum is preferred by some, and now Mr. Crowe, of Utica, is sending out his grand form of this fern. Whether it is a fine form of decorum or a distinct variety, either originating from a spore or a sport, it is, as he grows it, a splendid fern and its origin is of no great importance. He has named it A. Croweanum and well may he crow over the success he has had and the immense stock that he has to distribute.

It is nowadays most desirable that we should have a bench of adiantum to cut from in case of emergency, even if you don't grow a tenth of what you use. I think an ideal bed for adiantums would be brick walls of 18 inches in height filled in nine inches with rubble stone and on that the soil. There is no particular soil for adiantums. You can see them growing freely in a peat soil, in a heavy loam and in a sandy loam, and all thriving. A good, turfy loam, not clayey nor yet sandy, and well rotted will be found the best soil, and a fifth or sixth of well rotted stable manure will help them to grow faster and stronger. I know a man who grows the maidenhair equal to any one in the country and who says "I use the same soil as for roses."

The great and frequent failures with the average grower of adiantum is caused by the plants being thrown in five or six inches of soil on a bench that has three or four hot water or steam pipes. That is all wrong and the shriveled fronds and failures that occur are often attributed to tobacco smoke and other causes, when the real trouble is dried up roots. A bench with six inches of soil and no pipes beneath it may be as successful as the brick or stone bed, only the latter is permanent.

Aphis seldom troubles the adiantum. When it does tobacco dust will keep it down, and its great enemy, the little slugs, can be kept under by a profuse dusting of slaked quick lime, which does them no harm. Get the dusted lime well down on the crown of the plant, for there is where the slug makes his roosting place, and being hungry about the time the sun sets, he feeds on the tender young fronds that first catch his eye or touch. A warm atmosphere, say 60 or 65 degrees at night, will do for them, and a house that gets no direct rays of the sun is the one.

Don't forget to prepare for planting Asparagus Sprengeri about the first of July. You can help largely to pay your

coal bill by growing this graceful foliage plant. More anon about this.

Keep your *Lilium lancifolium* shaded and give them all the ventilation you can. Our hot days under glass make them short lived. A rather good business prevents these notes being longer.

WILLIAM SCOTT.

GERANIUMS.

Please name for me a half-dozen of the best bedding geraniums, also three or four of the best of the ivy-leaved section. What color is the variety E. G. Hill? Last year Mr. Scott wrote something about a variety named Richmond Beauty. Is that a new one not yet sent out or an old one taken into favor again?

X. Y. Z.

New varieties are annually sent out, and some of them are undoubtedly improvements over existing varieties. The French are the most prolific in the new zonale pelargoniums, as they are called in Europe. In England they are grown largely for summer decoration of the conservatory and are worthy of it, too, but many beautiful varieties, splendid for that purpose, would be a failure in our flower beds here. It is "bedding" varieties our inquirer is after, and here are half a dozen, all semi-double, that can be relied on as satisfactory "bedders": Alphonse Ricard, brilliant orange scarlet; Beauté Poitevine, the best salmon pink; Jean Viaud, soft pure pink; S. A. Nutt, crimson scarlet, indispensable; Mme. A. Chevelliere, white.

There is also Le Soleil, I think an improvement over that wonderful variety, S. A. Nutt. It is much newer and therefore has more vigor. Mrs. E. G. Hill is a single salmon, very free and robust, with an immense truss, very desirable. Mrs. J. M. Gaar is a single white, very free. Last fall we were solicited to buy a few dozen of the new scarlet semi-double, Trego. You will see it advertised in the trade papers. It is said to be a wonderful bedder. That I can't swear to, but we now have it in flower and it is the most charming bright scarlet of all geraniums and every one of you must have it. It stands out in brightness among other zonales as Jupiter does among the other stars and planets.

Richmond Beauty is one of E. G. Hill's, as its name would imply. It is a beautiful single flower. The raiser's description is: "Brilliant scarlet crimson, with large white feathering on two upper petals and fine, rounded form." As a pot plant for spring sales it attracts every one.

Freedom of flower is what is wanted in the ivy-leaved section. We use them only for edging to vases and veranda boxes. The pink varieties are most in demand for that. Four good varieties are: Galilee, light rosy pink; Garden's Glory, bright scarlet; Souv. de Charles Turner, deep, bright pink; Jean d'Arc, white. Above I mentioned that the ivy-leaved section are used by us only for vases and flower boxes. Of course, as a market plant thousands are sold. Their beauty sells them.

Late floral news from Washington announces that the first lady of the land is going to have flower boxes on the east and west terraces of the White House on the recommendation of Architect McKim. The cost of the boxes is to be \$760 without filling. Buffalo has for twenty years been pre-eminent in its use

of veranda boxes. No other city that I have ever visited has even begun to have so much of that kind of decoration and it is rather on the wane here, but now look out for its being the style and Mrs. Goldrocks and Mrs. Beef Trust, wherever they are found, will want them.

WILLIAM SCOTT.

SYSTEM IN ACCOUNTING.

Elmer D. Smith, of Nathan Smith & Son, Adrian, Mich., has evolved a modern system of accounting as applied to a wholesale and retail florist business. The records are complete but compact and the plan commends itself for its simplicity as well as its accuracy. Mr. Smith recently described his method in "System," as follows:

"The system was installed last winter. It consists of a set of cards 4x6 for each department, wholesale and retail, and a set 5x8 used as a day-book or blotter, whereon all transactions are entered in both departments. The system also embraces a day-book card, a monthly card and catalogue files.

"In order to present the system understandingly and in detail it may be stated that in the retail department duplicating slips are used for original charges. The following day these items are entered on ruled cards. These simple day-book entries are found to be the most convenient, as they obviate the necessity of looking elsewhere in making out bills at the end of the month—simply copying the entries from the card to the bill.

"The wholesale card gives the date and the amount of sales only. On the day-book card all transactions are entered and these items are recapitulated each day on the reverse side, which is blank. At the end of the month these recapitulations are all entered on the fourth branch of the system which, as will be seen gives the total sales, as well as an itemized expense account for that month.

"At the end of the year a similar card is used upon which the totals for each month are entered, and the footing of

gonias, geraniums, pelargoniums and roses.

"In this way the most important growers of all or any of these flowers are kept on one card. Two drawers of the cabinet are used for catalogues, one for plants and the other for florists' requisites, such as glass, moss, boiler, paints, etc. Cultural notes are taken from the various publications and are filed and indexed in the same manner as catalogues. The cards are headed with the name of the species and the special subjects are enumerated below.

"The adaptability of this system to any wholesale or retail business is readily shown, and the added feature—that of recording the annual statement on cards so that it can be referred to in an instant—is especially advantageous, as it enables the business man to know at all times whether his business is growing and whether his expenses are in conformity with the business done."

MUMS DAMPING OFF.

I cannot root chrysanthemums in summer; the cuttings damp off. The bench is one foot from the glass. Is that too near?

G. W. B.

I think it is too near the glass for rooting cuttings in summer unless the propagating house is situated on the north side of the range in such a manner that the sun never strikes it. I would imagine the trouble is caused by the hot sun causing the cuttings to wilt too much and get hard and withered before they root. Cuttings should not damp off in May and June. They need, and in fact must have, lots of spraying and watering to keep them plump and soft. I imagine most people who are not successful in rooting chrysanthemums in summer fail because they do not water their cuttings enough.

If I were G. W. B. I would root my cuttings in a frame outside, putting the frame somewhere under a wall or a good shade tree, and shade the glass in addition when the sun is hot. In such a position, if kept well syringed and not

exposed at first to a strong draught of air, cuttings will root as easily as they will in a cutting bench in March. On still, dewy nights remove the glass and let the cuttings get the benefit of the cool, moist air. Don't let the cuttings wilt more than you can help and the only way to prevent wilting is to keep the moisture around. I recall that, seeing the ease with which the side shoots rooted on the cool, moist ashes when stripped from the parent plant and thrown away between the pots, first put me on the track of getting a successful strike in the summer time. A cool, shady spot with lots of moisture and air is all that is needed. I shall be interested in hearing of G. W. B.'s success if he tries this simple method.

BRIAN BORU.

ROSES.

Seasonable Hints.

Staking and tying are two of the most important duties which must be attended to now. To give young stock a fair start they must not be neglected in this respect. As soon as possible after planting, and particularly with grafted stock, staking and training should be attended to, so that the young stock may obtain a thrifty and well balanced form.

Delaying or neglecting this duty will lead to the production of thin, scrambling wood which will not be likely to produce good salable blooms, the flowers from such stock being usually very weak in the neck.

The up-to-date method of arranging the supports is to make an upright frame of 1-inch piping, consisting of two uprights connected at the top by a horizontal bar. This is easily done by using elbows. The width of the frame should be six inches narrower than the bench, so that it will rest against the end. The crossbar should be at least 28 inches above the sideboards. The uprights if sunk six inches in the ground will be sufficiently stable to stand the strain of stretching the wire, one placed at each end of the bench and No. 16 galvanized wire stretched above each line of plants. To keep the wires from sagging, a support made of 3/4-inch gas-pipe, the same shape as the end frames and placed at distances of 12 feet apart, and tied to the horizontal wire, completes the arrangement. A coat of white paint adds considerable to the appearance.

Stakes of No. 6 galvanized wire three feet three inches long are then placed by each plant and tied firmly at the intersection with the horizontal wire. There has lately been put on the market a

NAME				TERMS				LIMIT			
C. J. Randall				J. E. M. Barton							
ADDRESS				RATING				O. L. F.			
4920 Greenwood Ave.				Chicago, Ill.							
DATE	DEBITS	CREDITS	BALANCE	DATE	DEBITS	CREDITS	BALANCE	DATE	DEBITS	CREDITS	BALANCE
1902											
Sept. 11	675										
Oct. 14		675									

Card for the Record of Wholesale Accounts.

this card will give the total sales and expense items for the year. This yearly card should be kept where it can be referred to from day to day, in order that the present year's receipts and expenditures may be compared with those of preceding years.

"For indexing the filing cabinet for catalogues, 3x5 cards, both white and blue, are used. These are alphabetically arranged. The former designates the firm issuing the catalogue, and the blue cards the contents of it. For indicating a few specialties likely to be referred to every day, in addition to the alphabetical guides, the tab on the guide cards is used. The specialties include, say, chrysanthemums, carnations, be-

NAME				ADDRESS			
Miss Louise Rouse				87 Toledo St			
1902	DEBIT	CREDIT		1902	DEBIT	CREDIT	
Jan 28	3 Dg Geraniums	1.50	Jan 28	175			
29	By Cash		Feb 8		175		
Feb 8	1 Dg Bar	50	17		50		
17	By Cash				50		

Card for the Record of Retail Accounts.

steel wire clasp to be used in place of twine in fastening the stakes to the wire, and which for neatness and expediency is far ahead of string, and affords no shelter for spider or other insect pests.

Beauties can be supported by the same kind of arrangement, with the addition of overhead wires seven feet above the bench, to which the longer stems can be secured by tying.

This is of course a little more costly than the older methods, but it has the merit of being easily put up and taken down and is practically indestructible at the same time, giving the house a smart and airy appearance, and however much we may study the question of returns, taste and neatness cost so little more than what is absolutely necessary that the added pleasure more than compensates for the extra trouble and cost.

RIBES.

CARNATION NOTES—EAST.

Condition of Field Stock.

The long continued drought in this section has at last been broken, much to the satisfaction of carnation growers. Now that the ground is well soaked I wish, at the risk of repetition, to again impress upon your minds the importance of breaking up the surface soil as soon as conditions will permit. By this means we can keep our plants growing rapidly until housing time, even should no further rains occur.

By the way, have you stopped to think that in a few weeks benching will commence? From all appearances the great majority of my plants will be plenty large enough to house by July 1. This leads me to define and give reasons regarding what I consider the size a plant should be to lift.

Varieties differ very much in rapidity of growth and therefore one must study each variety grown as regards this difference. Taking Mrs. Bradt and Nelson, we have two which differ widely in this respect. It is practically impossible to get returns from Bradt unless strong, heavy plants can be had when housing, while with Nelson much smaller plants give the best results, and with very few exceptions what is true of Nelson is true of nearly every variety of commercial value.

I would define a plant of proper size to house as one which is compact in growth, having six to eight strong shoots three to four inches in length, the last topping having been so timed as to allow these shoots to develop to the length named.

I notice some growers still hold to the idea that plants can be allowed to bloom in the field and still furnish good stock for winter, also that plants can without injury be allowed to run into bud, lifted and benched to furnish an immediate crop.

No one can expect to produce first class blooms in the field from plants intended for winter use. A grade still lower can be expected from plants lifted with buds, and these allowed to flower. In either case the resources of the plants are taxed to a degree that will be most manifest when blooms are most in demand at good prices.

I may add that the height of the plant is often misleading when size is being considered, as the most desirable feature is its stocky form; it is the

future productive qualities that should be looked after.

There are several advantages in benching what, from my definition, some may call under-sized plants. They can be planted in a more rapid and thorough manner than large ones. In early housing the plant becomes established quickly and in completing its growth in the new soil, the roots radiate in a more natural manner, thus obtaining a firmer hold in the soil, resulting in a more finished plant, well able to stand the strain that is to be put upon it. While it will be seen that I advise benching small or medium-sized plants, I also follow a system of culture under glass as soon as the plants are established which I will treat upon in due time.

An Inquiry.

This week a grower in this vicinity asked my opinion on the following: His plants were benched last August; were healthy and continued so until he was

April 5 1902					
DEBIT			CREDIT		
EXPENSE	DATE		DATE	CASH	
		John Koon by ch		7.65	
		Company Order		10.21	
7.75		Thompson's Green			
1.85		MacRae's Yellow			
		May M. A. Mullen's Plants		1.85	
1.25		Stamp			
2.67		Thompson's Floral Co			
		James M. Mullen by ch		4.00	
		John Koon by ch		2.57	

The Day-book Card.

obliged to let them freeze several weeks before Christmas. Nothing has been since disturbed. Would the same soil be suitable to use this season by the addition of more manure and bone?

Not having had any such case come under my observation I could not at once answer, but after some thought on the matter I have advised against the practice, owing to the fact that the plants have been allowed to occupy the same position up to the present time. Several other minor things lead me to believe there would be a risk too great to run, compared to the expense of re-filling with fresh soil. As this matter may interest other growers who were frozen up last winter, I will ask Mr. Baur to give his views or relate experience he or others may have had.

GEO. S. OSBORN.

PIPING WITH SOLID BEDS.

I am building solid beds for roses and carnations. Should any of the steam or hot water pipes be run under or through the beds for the purpose of forcing the plants in winter? I have read several

articles on the solid bed system but have seen nothing on piping for such beds.

B. W. S.

I certainly would not advise you to run any of your heating pipes under or through your solid beds. You can find plenty of room for the pipes along the walls and along the side of the walks for the pipes. We put one 2-inch pipe in each walk and the balance along the outside walls, where most of them are needed anyway. We heat with steam. There is such a wide variance in the arrangement of greenhouse establishments that each heating system needs to be constructed to suit the one particular place it is to heat. You may do well to hang some of your pipes overhead, but we prefer to have them mostly below.

No doubt many growers have the idea that the reason most heating pipes are placed under the benches is that they should help to force the plants by keeping the roots warm, etc., when really the strongest reason is to get the pipes out of the way. To the rose-grower they are a help in keeping his rose beds from getting too wet during cloudy weather, when he must needs do more or less syringing to keep down red spider. But to the carnation-grower I do not consider them any help whatever, as he does not need to syringe enough to get the soil into a soggy condition, and surely if you know the first principles of growing you will not need a drying plant to keep you from overwatering your plants.

One of the points argued in favor of raised benches has been that they will dry out oftener and that there will be less danger from overwatering and souring of the soil. It has been proven over and over that if you will get your soil into the proper state of moisture, and keep it there, it will be far better for the plants than if you allow it to vary, first dry then wet. Of course there are times when a plant wants more water than it does at other times and different kinds of plants will vary greatly, especially those that bloom in crops. The carnation varies very little in that respect. From the time it has taken a good hold on the soil and started into a vigorous growth it will at all times enjoy a very fair supply of water and any attempt at working the crops by withholding the water or giving an extra supply will only end in bursted calyxes or sickened plants. If the roots will get no water except what you intend that they should have, there ought to be no danger of overwatering, and if the soil does not dry out fast enough to need watering once in a week or two weeks you should be glad that it saves you time and water, but be sure to water only when it is needed. As for souring, there is no danger if you keep the surface loose and work through it

APRIL											
											190
	RETAIL SALES	WH. SALE SALES	TOTAL	MOSE	POSTAGE	EXPRESS FREIGHT	ADV'NG	HEAT LIGHT	BUILDING REPAIR	LABOR	SUNDRIES
1	8.14	174.88	183.02	27.00				3.89	6.00	70.17	75.40.76
2	6.60	47.55	54.15	12.15	5.00						14.81
3	5.57	49.30	54.87		1.00	35	5.60				1.46
4	17.60	41.55	59.15	16.75	60	1.30		2.25			60
5	35.81	47.34	83.15		2.60	1.05		4.44			6.50
6											15.59

An Itemized Account for Each Month.

occasionally so that the air can get to it.

Entirely too much consideration is given by some growers to the temperature of the water they use for watering, they being afraid that by using cold water they might chill the roots, etc. It has been proven by practical test that the temperature of the water would have but small effect on the growth of the plants. Anywhere between 40° and 100° makes no difference at all, even with such tender plants as coleus. You would be surprised what a slight change it will make in the temperature of the soil when you water with either cold or warm water. Bury a thermometer partly in the soil, just enough so you can see the figures and the mercury and after a half hour, when it registers the temperature of the soil, water with either cold or warm water and see how much it will change the mercury if the ball is buried about three inches below the surface.

Perhaps I have enlarged on this subject a little more than was necessary but I want to impress upon you that entirely too much ado is made of this bottom heat, bottom circulation, etc.

A. F. J. BAUR.

PLANTS FOR CUT FLOWERS.

We have two houses and can raise all the carnations and green that we need, but we have no place suitable for roses. What plants would you recommend to grow to provide blooms all winter that will do for design work and bouquets?

W. G. T.

As W. G. T. knows, the rose is the great essential in bouquets and designs, and if you have carnations, roses, ferns and asparagus, you can get along with but few "of the trimmings." I can scarcely think of any other plant that will produce the greater part of the year, as do carnations. Yet there are many useful things that can be grown in a carnation temperature, and some of these can occupy the benches without any noticeable detriment to the carnations. The double sweet alyssum can be grown on the edge of the benches. *Gladiolus Colvillei* The Bride, a most beautiful feathery flower, can be planted between the carnations on the benches.

Freesia is better grown on a bench in four or five inches of soil, and plant successive crops. Freesia deserves a bench and good soil and is most useful. Narcissus Paper White and Roman hyacinths can be forced in a carnation tem-

perature, even for Christmas, if planted and brought in early enough. After the middle of February the early single tulips can be flowered in these houses. Then there are the Bermuda lilies, but they would occupy the benches a long time and would not flower before April. The so-called calla lilies would thrive and give some flowers, but should have a temperature of 60 degrees to be profitable. At the ends of the house in boxes could be grown *Swainsona alba*. Its pea-like blossoms help out, but it is scarcely profitable, only that you can grow it in odd places that would not otherwise be used.

Lastly there is the sweet pea, and to tell you all about them, or what I think I know about their culture under glass, would be too long a story just now. I will merely say that they should occupy a bench of five or six inches of soil, and I also here take the opportunity to say that I used to be under the impression that it was difficult to pick flowers before Easter time. Last year I saw them sown in August and fine flowers gathered from them before Christmas, and before long I shall take the pleasure of letting my friends know how it was done, which is no news to many, but it was to me.

WILLIAM SCOTT.

CARNATION NOTES—WEST.

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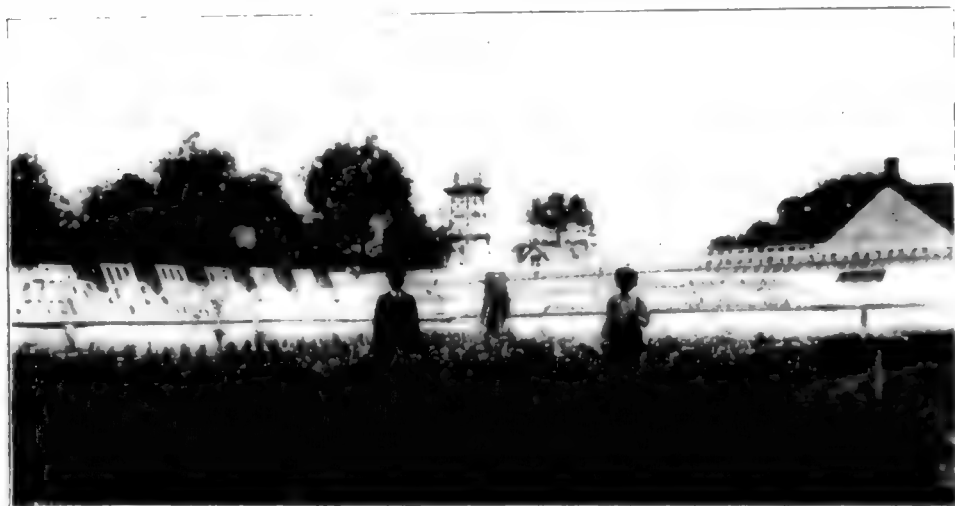
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occasionally so that the air can get to it.

Entirely too much consideration is given by some growers to the temperature of the water they use for watering, they being afraid that by using cold water they might chill the roots, etc. It has been proven by practical test that the temperature of the water would have but small effect on the growth of the plants. Anywhere between 40° and 100° makes no difference at all, even with such tender plants as clematis. You would be surprised what a slight change it will make in the temperature of the soil when you water with either cold or warm water. Buy a thermometer partly in the soil, just enough so you can see the figures and the mercury and after a half hour, when it registers the temperature of the soil, water with either cold or warm water and see how much it will change the mercury if the ball is buried about three inches below the surface.

Perhaps I have enlarged on this subject a little more than was necessary but I want to impress upon you that entirely too much ado is made of this bottom heat, bottom circulation, etc.

A. E. J. BAUR.

PLANTS FOR CUT FLOWERS.

We have two houses and can raise all the carnations and green that we need, but we have no place suitable for roses. What plants would you recommend to grow to provide blooms all winter that will do for design work and bouquets.

W. G. T.

As W. G. T. knows, the rose is the great essential in bouquets and designs, and if you have carnations, roses, ferns and asparagus, you can get along with but few "of the trimmings." I can scarcely think of any other plant that will produce the greater part of the year, as do carnations. Yet there are many useful things that can be grown in a carnation temperature, and some of these can occupy the benches without any noticeable detriment to the carnations. The double sweet alyssum can be grown on the edge of the benches, *Gladiolus Colvillei* The Bride, a most beautiful feathery flower, can be planted between the carnations on the benches.

Freesia is better grown on a bench in four or five inches of soil, and plant successive crops. Freesia deserves a bench and good soil and is most useful. Narcissus Paper White and Roman hyacinths can be forced in a carnation tem-

perature, even for Christmas, if planted and brought in early enough. After the middle of February the early single tulips can be flowered in these houses. Then there are the Bermuda lilies, but they would occupy the benches a long time and would not flower before April. The so-called calla lilies would thrive and give some flowers, but should have a temperature of 60 degrees to be profitable. At the ends of the house in boxes could be grown *Swainsona alba*. Its pea-like blossoms help out, but it is scarcely profitable, only that you can grow it in odd places that would not otherwise be used.

Lastly there is the sweet pea, and to tell you all about them, or what I think I know about their culture under glass, would be too long a story just now. I will merely say that they should occupy a bench of five or six inches of soil, and I also here take the opportunity to say that I used to be under the impression that it was difficult to pick flowers before Easter time. Last year I saw them sown in August and fine flowers gathered from them before Christmas, and before long I shall take the pleasure of letting my friends know how it was done, which is no news to many, but it was to me.

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Charles Milling is handling some very fine roses, valley and sweet peas. Average prices have been low but he reports something doing all the time.

Bowling.

The first practice game in the preparatory season of the New Yorkers was rolled June 9. Four of the old guard were there and the scores were fair to middling, as follows: Theo. Lang, 150, 176; Alex. Burns, 135, 147; P. O'Mara, 195, 192; F. H. Traendly, 119, 126.

Capt. Lang, as a competitor in the Broadway League, made average of 190½ in ten games and is second on the list of prize winners to date. Mr. Lang and family will leave shortly for their summer outing at their home at Mt. Marion.

CHICAGO.

The Market.

Beauties are fair for the season and in adequate supply, but Brides and Maids of good quality are scarce, much of the stock showing much mildew as well as being small and soft. There are large supplies of Liberty of good quality and some of the growers are cutting fancy Meteor. Chatenay, Kaiserin and La France are also fair to good in quality. Carnation cuts are on the decrease, but there are still ample supplies. Prosperity is fine and Genevieve Lord and Ethel Crocker are showing their quality as summer bloomers.

The peony crop is off and the stock is coming out of cold storage. Good bunches of the better varieties are still the best selling item on the list. There are oceans of sweet peas, plenty of lilies, pansies, valley and now, too, of smilax and asparagus. Ferns are short. Shipping demand continues fair, although mostly small orders. Local business is not up to last June.

Death of J. T. Anthony.

With the passing of J. T. Anthony floriculture loses another of her master craftsmen. Born near Providence, R. I., March 7, 1842, Mr. Anthony spent his life in the profession, wearing Confederate lead these thirty years, for he laid down his watering can and trowel to shoulder a musket in the hour of his country's need. He returned to the pursuits of peace with health impaired but with spirit unconquered, and was for years one of the leading figures in the trade. On coming west he spent some time with M. E. Page and then went into business for himself on Michigan avenue, near Twenty-second street. In 1885 he built a range of glass on Prairie avenue, just north of Thirty-fifth street, which was one of the most pretentious establishments of the day. He grew choice material, including a large stock of orchids, and did a nice business, but in the end met with financial reverses which saddened if they did not embitter his later years. Mr. Anthony was the first president of the Chicago Florists' Club, organized in 1886, and was always one of its wheel horses. He was elected President of the S. A. F. at the St. Louis convention in 1893. He was a member of the Horticultural Society of Chicago, of the Grand Army of the Republic and of the Masons. His death occurred June 11, at Geneva, Ill., where he had been in business for the past few years and interment was at Oakwoods. Mrs. Anthony was left with-

out resources, but her immediate wants were cared for by Mr. Anthony's old friends, whose attention was called to her plight by C. A. Samuelson.

Various Notes.

Frank Hayes, of the H. M. Hooker Co., says that there is a big call for greenhouse glass, but that it is not wholly a blessing, for in the days when the sales were not so large the small sizes of double strength could be had at the factory for about the price of single, while now the demand is so big that the natural production of small sizes does not nearly suffice and the manufacturers refuse to cut greenhouse glass except at a premium. Mr. Hayes says that the indications point to an immediate and very large increase in the glass used for forcing vegetables.

There was a well attended meeting on Tuesday, called to plan for the entertainment of those en route to the S. A. F. convention who will pass through Chicago on Monday, August 17. After a general discussion of the proposed hospitalities, a committee on ways and means was appointed, with sub-committees for the several branches of the trade, instructed to raise a guarantee fund of \$1,500. Another committee was appointed to see what can be had for the money.

The Foley Mfg. Co. is building a very fine conservatory for Harry Rubens, also extending Harry Selfridge's range at Lake Geneva.

The cold and unseasonable weather has brought on a return of A. Dietsch's illness and he has been confined to his house for several days. It begins to look to him as though he would be compelled to remain permanently in the southwest.

Fred Hills has done very well on Easter lilies this year and is trying cold storage bulbs for an all-season supply.

N. J. Rupp says that the Moninger Co. is again enjoying its busiest season. This has been their annual experience for several years.

Jas. Hartshorne brought a magnificent bunch of peonies to the meeting of the craft last Tuesday.

Mr. and Mrs. C. M. Dickinson were at St. Joe Tuesday. Mrs. Dickinson and the pride of the family may spend a part of the summer at the Michigan resort.

Sinner Bros. are cutting Brides which are very good for the season.

P. Saunders, for many years in business on Cottage Grove avenue, leaves in August to make his home at his birthplace in Ireland.

John Becker will build nine greenhouses to cost \$8,000 on his property at 1513 Washington street, in Evanston.

Herman Rennock, who shot Oscar Kreitling, has been given fourteen years at Joliet.

Weiland & Risch have benched 25,000 Beauty plants in their new range.

C. O. Williams, of Batavia, has been sending Benthey & Co. a new pink peony which has a future.

The J. D. Thompson Carnation Co. will proceed at once to build a boarding house for the help and another greenhouse 30x300.

R. R. McGill, of Barnard's, is at his old home at Ainesworth, Ia., on vacation.

Brant & Noe have admitted to partnership Richard Salm and W. J. Kei-

mel, formerly with the Poehlmanns, who now have charge of the producing end. D. W. Brant will do the selling and the plan is to open a stand at the Exchange.

Visitors: C. W. Ward, Queens, N. Y.; Herbert Heller, New Castle, Ind.; D. C. Noble, Columbia City, Ind.

Bowling.

The series of thirty games was ended at Anson's on Tuesday evening, with the following score:

Player.	1st.	2d.	3d.
Winterson	179	128	160
Sterrett	140	160	132
Pruner	114	144	120
Stevens	104	165	123
Balluff	167	141	201
Asmus	153	168	185
Hauswirth	131	128	169
G. Stollery	130	176	138
F. Stollery	164	193	145
Kreitling	118	137	109
Scott	137	158	150

This leaves the following as the ten high men:

Geo. Asmus.....	165	E. Winterson	154
C. Balluff	163	P. Hauswirth	153
G. Stollery	162	Geo. Scott	152
F. Stollery	161	C. Pruner	149
J. Lambros	150	J. Sterrett	142

To decide the convention team a series of twenty games will now be rolled, four each Tuesday evening for five weeks, as follows: June 23, at Michelson & De Propf's alleys; June 30, at Schiller's, Thirty-first street and Forest avenue; July 7, Sheridan alleys, Waveland and North Halsted; July 14, Geroux alleys, East Madison street; July 21, Mussey's.

ST. LOUIS.

The Market.

At this writing conditions are somewhat better in receiving express shipments, which come by boat from Alton. The early part of the week it was almost impossible to get any shipments by express from Chicago and other points. This had a bad effect on the retail trade, which had a very busy week, with large weddings and school work. At the wholesale houses many disappointed faces could be seen each morning on account of not having the orders filled. The few shipments from the west and from local consignors did not supply half enough stock to go around. Some of the shipments from Fort Wayne, Chicago and Springfield came in a day late and the stock was almost useless. But the worst is over, they say, and by the end of the week all trains will again run on regular time, as the water on the east side is falling fast.

Trade the past week was very good. Everybody was busy with some kind of work in cut flowers, as weddings, funerals and school commencements have been quite frequent. For the latter events there was not nearly so much to do as in former years, as most of the large schools prohibited the sending of flowers to the graduates. Those who had orders for the large weddings found it difficult to obtain choice white roses and the number required ran up into the thousands. At the funerals of Mr. Lucas and Captain Evans, of the salvage corps, a great many large designs were seen. These were mostly made up of cape jasmines, galax and sweet peas, indicating that other stock was hard to obtain. For school work a large number of Perles were used, as yellow was the class color at some of the largest schools. The cool weather of late has made good flowers very scarce, and particularly roses. Shipping orders from

here was out of the question, as all stock that came in was used at home.

Prices on stock were somewhat high when one considers the quality of the flowers, roses having been full of mildew. Carnations are getting small, still they bring a good price, \$1.50 to \$3 for common stock, with fancy stock at \$4 and \$5. Sweet peas are selling out clean at 50 cents per 100. A few good asters are in, which sell at \$2 and \$3 per 100. Cape jasmine has a big call, owing to the shortage of white stock; 50 and 75 cents per 100 was considered a big price for them. These are handled mostly by the commission men along Third street, who have them consigned by the car load. The street fakirs were handling them largely the past week, as they were about the only flowers they could obtain, all other stock having brought a higher price than they cared to pay.

Business from now on will be somewhat slow, as most of the social events are past and the flower-loving people are seeking the summer resorts to be gone until fall. Until then the florist of our town will have to content himself with odds and ends from the few stragglers who remain at home.

Florists' Club Meeting.

The June meeting of the Florists' Club was very poorly attended but this time it was owing to the big flood. Our members from the east side, who are regular attendants, could not get over. When the meeting opened there were ten members present. President Dunford was in the chair. Secretary Schray was absent, owing to very important business at home, and J. J. Beneke acted in his place. The trustees announced that the picnic would be held on Thursday, July 23, at Preistor's Park, half way between Belleville and St. Louis; that a band of music and games of all kinds with prizes would be the features of the outing, that invitations would be mailed to all in time, and that a full report would be made at the next regular meeting of the club. Chas. J. Juengel, state vice-president of the S. A. F., was appointed a committee of one on transportation for the Milwaukee meeting. Members who will attend this meeting should send in their names to Mr. Juengel as soon as possible. The members were also requested to send in a report of their business to Mr. Juengel, so that he can make up his yearly report. This should be done not later than the next meeting. The question box, which is always one of the features of our meetings, brought out a good discussion on several questions. William Winter, of Kirkwood, Mo., invited the club to hold its next meeting at his place, which invitation was accepted with thanks. This meeting will take place July 9, at 2 o'clock, at which the nomination of officers will occur. This, with an essay by Fred C. Weber, on "Benefits Derived by Attending Conventions," should make an interesting meeting, and a big turnout is expected by President Dunford and by Mr. Winter.

Notes.

J. G. Bennett, western representative of the Commercial Cut Flower Box Co., of Binghamton, N. Y., was a caller on the trade the past week.

Fred Ammann, of Edwardsville, has been bringing in his cut each day himself, by way of Alton, at a great expense. Fred could not stay at home and let the trade in St. Louis suffer for

want of stock, and his efforts helped out a great deal.

Mrs. M. M. Ayers furnished flowers for two of the largest weddings that took place last week, one of which required as many as 1,000 Bride roses. These were hard to get, but she was equal to the task.

Fred Weber and George Waldbart were two very busy men the past week, with floral work of all kinds, and plenty of it, but it required some hustling on their part to get the stock.

The Ellison Floral Co. had a busy week of it with school work, using nearly 2,000 Perle roses to fill its orders. Quite a lot of dinner table decorating is also reported by them.

Theo. Miller is around nowadays looking very lonesome. His family are on the high seas bound for Germany to spend the summer. Theo. will spend part of the next few weeks getting himself in shape to carry off some of those prizes at Milwaukee.

Bowling.

The bowlers met Monday night and rolled three games. Two teams were made up, with five on a side. Some very good scores were made, Beyer and Kuehn being high men. Here is the record:

Exchange.	1st.	2d.	3d.	Total.
Beyer	169	211	148	528
Guy	120	147	151	427
Miller	164	140	151	455
Ellis	124	155	129	408
Weber Jr.	112	117	168	397
Total	698	770	747	2212
Review.	1st.	2d.	3d.	Total.
Kuehn	138	174	195	507
Beneke	153	166	145	464
Weber Sr.	147	148	160	455
Adles	112	124	152	388
Betteken	151	128	140	419
Total	700	740	792	2233

The two teams will roll next Monday night at the new alleys in Urig's Cave, Jefferson and Washington avenues.

J. J. B.

PHILADELPHIA.

The Market.

The conditions in the cut flower market have changed considerably, for fewer flowers are now coming in, owing to the change in the weather and the replanting. White flowers are very much in demand and quite scarce at times. Sweet peas are coming in in enormous quantities, except on the rainy days. Leo Nissen is receiving some fine iris and larkspur. Home grown gardenias are about over, though a few are coming in from out of town. Beauties are very much in demand, but prices have not advanced. The indications point to this being the closing week of the wedding and commencement season, but a heavy demand on Monday created an unexpected scarcity, especially for Beauties and lilies.

Afternoon with Mr. Harris.

Were you to ask any one of our leading store keepers whether the growers, as a class, were good business men, he would probably smile and call your attention to a handsome vase of sweet sultan or giant daisy; but were you to ask him whether he considered that Wm. K. Harris' place was run on business principles, he would answer most emphatically in the affirmative and tell you that there is no better business man to be found among the growers. Mr.

Harris' success as a grower is remarkable. His stock is uniformly well grown, and so great is his reputation that the buyers come to him—an unusual condition nowadays. His system is so perfect that he probably requires as little, if not less labor than any of his competitors in proportion to the size of his place. I was fortunate in finding both Mr. Harris and Mr. Mills last Sunday afternoon and spent a pleasant hour or two with them in the houses. *Dracaena terminalis*, one of Mr. Harris' pets, entirely fills one house and will fill another later. Those in 6-inch pots were especially fine, giving promise of great beauty in the fall. Under a new method of culture better results have been obtained than before, as shown by comparison. I should like to be able to tell about his method, but unfortunately I can't.

The new type of Boston fern with broad foliage, beautifully crested, habit compact, is very promising. It has not been decided whether this type is sufficiently distinct to merit a name. It is more than probable that *Nephrolepis Harrisii* will ere long be as famous as *Lilium Harrisii*. Mr. Harris believes that the only way to grow Bostons is in pots from the cradle up, so to speak, and that planting in the bench, except possibly for stock, is a mistake. Several large houses will be filled with these ferns. *N. Piersoni* is here on trial. *Pandanus Veitchii* and *otaheite* oranges complete the list of varieties now occupying the French plate glass houses. Mr. Harris is a believer in this glass for producing finely colored foliage and flowers. He also firmly believes in the automatic ventilators, which he thinks worthy of general use. The other foliage plants grown are rubbers, both single stem and branching in great profusion, arecas, kentias, *Pandanus utilis*, crotons and a few others.

The chrysanthemums for cuttings have just been benched. Of these, Florence Harris, which blooms about November 1, and Our Dear Friend, blooming at Thanksgiving, are each given a full center bench. Both are seedlings raised on the place, large in size, color a canary yellow. Mr. Harris considers Our Dear Friend as one of the best varieties obtained during the past ten years. He has not disseminated the stock of either, believing it better to keep these gems at home. Grace, a light sport from Maud Dean, is another variety of merit given a place of honor. Ivory, pink and white Mrs. Jones, Maud Dean and Major Bonaffon are also here. Gardenias are planted out in the bench, grown in one of the small houses and will be forced again this season. The quantity of bulbs forced will be increased next season.

Very large quantities of Easter plants will be grown as in the past. Several houses have just been reglazed. Outside 4,000 *Hydrangea Otaksa* in 6 and 7-inch pots, to say nothing of a couple of thousand smaller plants, make a fine display in the frames. They are plunged in hops and sand. Climbing Clothide Soupert is planted out, also Ramblers. Peonies have done very well this season, the Flower Market averaging 6½ cents for the cut blooms.

Various Notes.

Edward Reid shipped 15,000 carnations, some Brides and Maids and 500 valley in one order to Wadena, Minn., one day last week.

F. & H. Mergenthaler are cutting

some fine Kaiserins in quantity, also Brides and Maids.

Eugene Bernheimer has been receiving 10,000 sweet peas daily. He visited the Floral Exchange place at Edgely lately. The new house just completed is now planted with 3,000 Queen of Edgely. In one house the cut for last month was 39,787 roses. In this house the plants are all in solid beds, and a few rows of grafted stock look much better than their neighbors on their own roots. Another interesting house was one of tea roses that have been in for four years and will be left in another year.

John Holt, of North Wales, has been sending some snapdragon and other specialties to the Flower Market. He reports excellent business with the truckers in tomatoes, cabbage and other vegetable plants in his locality.

The Camden business has been very good. Thoirs has had a number of weddings and commencements and has been very busy.

C. W. Lamley also reports good business especially in the line of bedding plants.

Adolph Farenwald has had considerable trouble with the carpenters at work on his new houses, but has adjusted things satisfactorily and the houses are progressing nicely.

There have been a number of inquiries from seedsmen for young plants of Wootton rose for private planting. Here is a chance for somebody.

The following is to my brethren at Morrisville:

You will make a "scoop" today.
By wrtling about "The Moon."
"Phil" must work while you can play.
But things will be different soon.

Bowling.

The following are the scores in the second series of games to decide places on the team to go to Milwaukee:

Player.	1st.	2d.	3d.
Moss	138	224	215
Gibson	139	163	172
Habermehl	142	126	132
Harris	145	127	159
Watson	160	142	153
Craig	105	133	169
Westcott	100	142	115
Falek	142	128	183
Polltes	154	194	152
Robertson	194	178	196
Adelberger	169	148	144
Dunlap	145	293	173
Kift	159	119	144
Stevens	134	112	188
Yates	160	164	194
Connor	136	156	156
Baker	152	124	99
Moore	105	150	161

PHIL.

SAN FRANCISCO.

The Market.

Within the last week we have had the warmest weather San Franciscans have experienced for the last eight years. On Friday the thermometer climbed up to 90 degrees in the shade and on Saturday it registered 92 at 3 p. m. This may not seem hot to eastern folks, but to natives of this town it is something almost unheard of. Today, however, the temperature has moderated so much that overcoats are again in order and, as I write, the usual chilly ocean breeze almost makes me forget the torrid weather of two days ago. As a consequence, flowers, especially roses, have suffered severely and I have seen nothing for the last week that could be called first-class stock. Carnations have also that weak, washed-out appearance and Ethel Crocker seems to be about the only variety that is up to color. Some few good Flora

Hill are exhibited and occasionally a showy bunch of Estelle is seen, but as to the other varieties, the less said the better.

Bride gladiolus and great bunches of herbaceous peonies help to fill in and it is surprising what use the first-class florists make of them. The general public is always looking for something new and although these flowers are not generally considered as especially "swell" they make a very tasty bouquet when arranged nicely. Sweet peas suffered considerably during the hot spell and burned edges are the rule, but with our usual chilly atmosphere they will be up to form in a day or two.

Various Notes.

I happened to pass through the aster and chrysanthemum district a few days ago and noticed that the crops in almost all the places I visited look very thrifty and speak well for an abundant harvest later on. What a pity that this branch of horticulture has passed almost entirely into the hands of the Chinese and the Japanese. It always seems to me there must be something radically wrong with our system of flower-growing and handling, when the white growers have to give way to Mongolians.

I saw three large cases of Kentia Belmoreana opened this week. Although they had been thirty days on the road the plants were in as good condition as when packed at the nursery. This kind of carefulness speaks well for the grower. They were from the Storrs & Harrison Co., Painesville, O.

Several of our leading carnation growers have invested in boxes of Thrinseide and it is to be hoped it will fill the long-felt want.

The Portland Seed Co., of Portland, Ore., has had its representative in town all week booking orders for florists' moss. Oregon has become the great source of supply for this article.

Domoto Bros., the well known Japanese florists, are erecting on their grounds recently purchased at Fitchburg, four greenhouses 30x100 feet. They are to be devoted to growing roses principally, and American Beauty, Kaiserin, Bride, Maid and Liberty are to be the varieties planted. They will still retain their old place on Central avenue, on which they have made a specialty of Japanese plants, carnations and lilies.

The Misses Worn, on Post street, report a good June business. These ladies make a specialty of decorating and they seem to have the cream of the orders in that line. They have been very successful and, although many of their wealthy patrons are out of town at this season, June weddings have kept them on the jump.

Benjamin Welch reports everything satisfactory in his Geary street store.

G.

MT. STERLING, KY.

Trade in Mt. Sterling is better than in ten years, demand much greater than supply, especially in fine stock, while trashy stock cannot be sold at any price. Our customers have been educated to the highest standard of floriculture, which means high prices.

In looking around over the different towns it makes one feel that some of the florists have no other conception of the business than to stuff the houses full of a lot of straggling, sickly plants, telling their competitors: "I can raise more plants in a given area of glass

than anybody else, and don't you forget it." I have seen one house, 50x60 feet, with at least 6,000 plants in it, in from 2½ to 5-inch pots touching each other. Oh! such plants!

Wake up, brother florist, and raise nothing but plants that throw credit on our profession. The twentieth century has outgrown the "it's good enough." Fine specimens are what most people want. It does not cost a cent more to raise good plants than poor ones. Supposing you raise ten 10-cent plants, for which you get \$1.00. It takes ten pots, requires from two to three transplantings and takes about six square feet of space; while fine specimens worth \$1.00 each can mostly be raised in 5 to 7-inch pots and will require less space. My experience is that well grown plants will bring good returns from start to finish.

EMIL FREDRICH.

MILWAUKEE.

The last club meeting was well attended. C. B. Whitnall gave an interesting talk on his observations in California. Considerable convention business is being now taken up and special meetings will be held from now on. F. H. Holton has sent out sketch of the Exposition building, with diagram of the floor space, and exhibitors should not overlook the opportunity of making a display here. Send in applications for space early, so the committee in charge will not be overrushed at the last minute. The club also bowls twice a month and a strong team will be in the running during the convention.

Trade has been brisk the past week. Many of the schools are having their commencement exercises, and, coupled with June weddings, it keeps stock cleaned up.

Visitors: P. J. Foley, John Evans, M. Rice, James McHutchison and A. N. Knickman.

INCOG.

STORING BAY TREES.

What is the best temperature to keep bay trees through the winter? Will they keep in a cold greenhouse or grapery?

S. S. P.

Anywhere between the freezing point and 40 to 45 degrees would be the ideal temperature for them but, like many other plants, they accommodate themselves to a great change. For years we kept them in a cool greenhouse, but they are bulky things to occupy valuable space and we now have a shed with plenty of light and a few 1½-inch hot water pipes. We just try to keep the frost out and no more. A cold grapery would be a splendid place to winter bays but, if there are no means of heating, the grapery may get too cold in zero weather. As many florists from Europe know, the sweet bay is a hardy shrub or dwarf tree in the south of England and survives any winter that does not go below 10 degrees above zero. Yet, in the artificial way we grow them, it would not be safe to subject them to anything like so low a temperature. We have left them outdoors all through the early frosts in autumn and perhaps in early December they have been subjected to 15 degrees of frost without harm. But should you keep them all winter in a temperature of 40 degrees and in March, say, suddenly exposed them to 15 degrees of frost, it would kill them. Keep them just above freezing.

WM. SCOTT.

Maids and Brides

WE have large cuts now on and the best stock the market affords. Plenty choice peonies. A 1 carnations and valley, peas, smilax and asparagus to meet all requirements. Let us have your order. "Right Goods at Right Prices."

E. C. AMLING,

The Largest, Best Equipped and Most Centrally Located
Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St.,
Long Distance Telephones 1909 and 1977 Central.

Chicago, Ill.

AMERICAN BEAUTY,		Per doz.
30-36-inch stem.....		\$3.00
24-inch stem.....		2.00
20-inch stem.....		1.25
15-inch stem.....		1.00
12-inch stem.....		.75
Short stem.....		\$4.00 to \$5.00 per 100
		Per 100
Brides and Maids.....		\$3.00 to \$6.00
Meteors and Gates.....		3.00 to 6.00
Kaisersins.....		3.00 to 8.00
Carnations.....		1.00 to 1.50
large and fancies.....		2.00 to 3.00
Mignonette, doz., 25c to 35c.....		
Harrisii.....		\$1.00 to \$1.25
Sweet Peas.....		.75 to 1.00
Valley.....		4.00
Peonies.....		.75c per doz.
Marguerites.....		.50 to .75
Asparagus... per string, 50c.....		
Asparagus Sprengeri.....		2.00 to 5.00
Ferns... per 100j, \$2.50.....		.25
Galax.....		1.25..... .15
Adiantum.....		1.00
Smilax..... per doz., \$1.50.....		

Subject to change without notice.

BOILER FOR HOT WATER.

I intend purchasing a tubular steam boiler for use for a hot water system. The size is 40-45 inches diameter, 30 flues, 3½-inch, 16 feet long. How many feet of 4-inch pipe will it heat? Also, what is your opinion of the above style of boiler for the purpose? R. F. G.

The boiler described would have capacity for heating about 7,000 feet of 4-inch pipe for hot water. Such a boiler would give excellent results at most economical cost.

HENRY W. GIBBONS.

PIPING.

I have two houses 15x50 without partition walls, glass on ends and one row of glass 16x16 on the sides. The gutters are seven feet from the ground and the ridges about 11 feet. I want to heat this with hot water in 2-inch pipes to a temperature for roses. The main flow would run 35 feet through another house before reaching the house to be heated. How shall I pipe?

J. C. F. C.

For the hot-water heating of the rose house 30x50 feet, twenty lines of 2-inch pipes will be required, the arrangement of the pipes depending upon the arrangement of benches, walks and doors, and also being governed by the grade or level of house. The flow and return mains should each be 3½-inch inside, or in any case not less than 3-inch, but the larger size is to be preferred.

HENRY W. GIBBONS.

PIPING TO BOILERS.

When using a 60 and a 30 horse-power return tubular boiler hitched together for heating ten or twelve houses 22x100 with steam, first, what sizes should the flow be from each boiler to the houses? Second, what size the return from the houses to each boiler? Should they have check valves. Each house has 1,000 feet of 1½-inch pipe. Boilers are low but much water comes out of the air cocks.

CONSTANT READER.

The 60 horse-power boiler should have a 7-inch steam main and a 4½-inch return. A 6-inch main and a 3½-inch return would answer if five pounds pressure is maintained. The 30 horse-power boiler should have a 5-inch steam and

3-inch return connection. The steam main to each of the greenhouses should be a 2½-inch, with a 1½-inch return connection. The main return to each boiler should be provided with a swing check valve for an extra precaution, but such valves are not an absolute necessity if the pipes are so arranged that there is a complete circulation at all times.

HENRY W. GIBBONS.

WANT ADVERTISEMENTS.

Advertisements under this head one cent a word, cash with order. Plant advertisements not admitted under this head.

Every subscriber is entitled to a free advertisement not exceeding 35 words in any one issue desired during the year. If the advertisement exceeds 35 words, send at the rate of one cent for each additional word.

WANTED—Lightweight 4-inch pipe; cast or wrought iron. W. W. Hendrix, Wiley, Ga.

WANTED—A second-hand heater and enough 2-inch pipe for 3000 feet of glass. Address A. Gardiner, Waxahachie, Tex.

WANTED—Sober, reliable grower; roses, carnations, mums and bedding stock; retail place; state wages expected with board and room. Lewis R. Allen, Murphysboro, Ill.

WANTED—Competent florist in growing A No. 1 carnations, roses and general line of plants; steady employment; wages \$40.00 per month with board and room; increase in wages if parties are suited. Apply Missoula Nursery Co., Missoula, Montana.

SITUATION WANTED—By first-class cut flower grower as foreman; 12 years' experience; roses a specialty; 8 years with one of the leading cut flower houses of the east; best of references; only first-class place wanted. Address No. 116, care Florists' Review, Chicago.

SITUATION WANTED—As general greenhouse man; aged 35 years; 10 years' experience in greenhouse work. Place near Chicago preferred. Address No. 117, care Florists' Review, Chicago.

WANTED—Young single man who can grow roses, carnations and general stock; steady place for right man; state wages with board and room. J. W. Rentz & Son, 325 W. 2nd St., Peru, Ind.

WANTED—Two or three men for carnations and roses. Bassett & Washburn, Hinsdale, Ill.

WANTED—Two good men for general greenhouse work; two helpers in rose section. J. F. Wilcox, Council Bluffs, Iowa.

WANTED—Two active young men who are interested enough in their work to want to learn rose growing for a business. Write Geo. A. Kuhl, Pekin, Ill.

SITUATION WANTED—By young man with 8 years' experience in general greenhouse work; 5 years in present place; able to take full charge. Address No. 115, care Florists' Review, Chicago.

SITUATION WANTED—German, single, 15 years' experience in palms, ferns, bedding, stove plants, forcing stock cut flowers, lily of the valley; commercial or private place. Carl Jahn, 1409 West Madison Street, Chicago.

WANTED—Married foreman for modern wholesale and retail place; 65,000 ft.; palms and ferns specialty; must be competent to run the houses on his own ideas, and be sober and industrious. \$12.00 weekly, percentage on gross sales, 3 good rooms, steam heat and bath; write explicit. Also a good cut flower grower; \$12.00 weekly. Albert Fuchs, 2045-59 N. Halsted street, Chicago.

SITUATION WANTED—As foreman by first-class grower of roses, carnations and general stock; No. 1 references. Address No. 114, care Florists' Review, Chicago.

FOR SALE—New greenhouse material as follows: New 2-in. black pipe, long lengths, 10 cts. per ft.; 6x8, 50 ft. boxes, American glass, single, \$2.25 per box; 6x8, 50 ft. boxes, American glass, double, \$2.70 box; 6x8, 100 ft. boxes, French glass, single, \$4.00 box; 12x14, 16x18, 14x14, 50 ft. boxes, American glass, double, \$3.60 box; 12x12, 10x14, 50 ft. boxes, American glass, single, \$2.40 box. 16x24 French double glass, \$3.50 box. Clear gulf cypress greenhouse material, and everything for building. Send for prices. S. Jacobs & Sons, 1365 to 1375 Flushing Ave., Brooklyn, N. Y.

FOR SALE—On account of sickness and retiring from business, a florists' place, 6 greenhouses and hotbed sash, 2 acres, in Philadelphia. Fred Krebs, 543 Belgrade St., Philadelphia, Pa.

FOR SALE—Greenhouses, with well established business, and 20 acres of good land. Am getting old and wish to retire. M. Klasner, Alton, Ill.

FOR SALE—Some extra good second-hand 3-in. pipe at 6c per foot; also some 4-in., guaranteed sound. W. H. Salter, Rochester, N. Y.

WANTED—Two young men, A-1 assistants. Pittsburgh Rose & Carnation Co., Crystal Farm, Valencia P. O., Pa.

FOR SALE OR RENT.

MODERN GREENHOUSE PLANT

Of 20,000 square feet of glass; potting shed between houses, 20x80 feet; glass 10x15 and 16x24 inches; heated by steam from return tubular boiler. All in good order.

SAMUEL J. BUNTING, Elmwood Ave and 58th St., PHILADELPHIA, PA.

One Lord & Burnham Boiler, \$60.00

One Coil Boiler, 900 feet radiation.....\$35.00
One Coil Boiler, 220 feet radiation..... 60.00
One Ericsson Engine, No. 10..... 95.00
One Hitchings Hot Water Heater, No. 16..... 55.00
One Ericsson Pumping Engine, No. 8..... 80.00
One Ericsson Pumping Engine, No. 6..... 55.00
One Rider Pumping Engine, No. 6.....110.00

All guaranteed to be in good working order. Boilers taken in exchange.
New 2-inch Pipe, 10c per foot net.
Second-hand 2-inch Pipe, 8c per foot.
Second-hand 1½-inch Pipe, 5½c per foot.
Second-hand 1¼-inch Pipe, 4½c per foot.
Second-hand 1-inch Pipe, 3½c per foot.
Second-hand ¾-inch Pipe, 3c per foot.
3,000 ft. job lot new ¾-inch hose, \$5.00 per 100 feet, not guaranteed.
New ¾-inch hose, guaranteed one year for 150 lbs. pressure, 7½c per foot.

Write for prices on all kinds of tools and lumber.

MANHATTAN SUPPLY CO.

440-442 11th Avenue, NEW YORK.

Mention The Review when you write.

CINCINNATI.

The Market.

Business still continues in a very healthy state in spite of the lateness of the season. Wedding decorations and commencements furnish the largest calls, but there is also a large amount of funeral work. Julius Baer had four large weddings on last Wednesday and they required large quantities of flowers, besides greens, etc.

Flowers of all kinds are anything but plentiful and many more could be disposed of to good advantage. Prices are averaging high for this season of the year and good stock brings as much as in the dead of winter. Really good stock is very scarce. Roses are small and in many cases poorly colored. Many of them are mildewed, which reduces their value, but owing to the scarcity, they all sell. American Beauties are improving a great deal. Then, too, the majority of the short ones that come in now, are being cut from new stock which is full of vitality and throws better blooms. Kaiserins are doing nicely, but it is not much of a rose to ship, as it bruises so easily. Meteor and Liberty are very scarce.

Of carnations there are not half enough to fill all orders. Anything that looks like a carnation sells. The quality of the stock received is much better than one would expect at this time of year. Some fine longiflorum lilies are coming in. *Lilium candidum* is also to be had in quantity. Coreopsis sells very well. Sweet peas are still scarce, but the outdoor ones are improving in quality. Green goods of all kinds are plentiful.

Club Meeting.

On Saturday evening the annual meeting of the Cincinnati Florists' Society was held. The election of a board of directors for the ensuing year resulted as follows: Geo. Murphy, L. H. Kyrk, Wm. Schuman, Ben. George and C. J. Ohmer. They will elect the officers. A committee consisting of C. J. Ohmer, George Murphy and Mr. Kunzleman was appointed with full power to act in the matter of an outing.

An invitation was extended by D. Rusconi, the well known Cincinnati bulb man, to the Cincinnati Florists' Club to hold its first summer meeting at his residence in Covington, Ky. Mr. Rusconi told of the many Italian dishes that he would serve to those who would come, to say nothing of a cellar full of lately imported Italian wines. The society accepted the invitation with many thanks and the time was set for Thursday, July 9.

E. G. Gillett and Geo. Murphy were appointed a committee to choose the official S. A. F. convention route. They will have full charge of the matter and a letter addressed to either of them as to rates, times of departure, sleeper, etc., will be promptly attended to. All those who go through this city on their way to the convention are invited to join the Cincinnati party.

The two S. A. F. medals to be awarded by the Cincinnati Florists' Society for meritorious plant or flower of American origin were awarded as follows: The silver medal to George & Allan for plant of *adiantum*; a decided improvement over *cuneatum*; a much more vigorous grower; throwing fronds 24 inches and over in length. The bronze to Rich-

ard Witterstaetter, for carnation *Adonis*, which needs no introduction. These are subject to the approval of the S. A. F.

Chas. Weltz, of Wilmington, O., was a visitor. C. J. OHMER.

BOSTON.**The Market.**

The past week has been another staggerer. Growers and salesmen have been fairly wallowing in roses and carnations and seemingly what little trade there was has been for the little odds and ends that are inclined to be more scarce. Somehow or other all this stock has been floated somewhere, with really none too much assistance of the hospital man. Prices, of course, run low, and when comparisons are made with one short year ago we find we are selling good material for much smaller figures than prevailed then. Good material holds out remarkably well, but is now beginning to limber up a little. However, it is an uninteresting proposition at best.

Notes.

Robinson, the "green goods" man, is developing quite a business in connection with his Columbus avenue laurel swamps. His order for decoratives for Harvard, via Contractor Carbone, is keeping him busy just now. They say, too, he has lately drawn \$15,000 in a German lottery. Perhaps he is not so green as he—I mean, as his business looks. Pardon the "lapsus penguine."

We all suffer alike from the drought, but so far as I have heard McCarthy is the only florist who is a loser by the forest fires. About fifty acres of his Montrose property were scorched over. The extent of the damage cannot yet be determined.

Among the crop of June weddings is that of Maurice Hambro, of the firm of Hambro & Gomperts, which came off June 14.

The manufacturers of the Cefrey florists' letter, finding it hard to make the business stand alone, have sold out to N. F. McCarthy & Co. This purchase on his part removes this competition in the manufacture of his Boston letter. The field is now open for a fair trial between the latter and Sutherland's Koral letter, for which there is a growing demand.

Lawrence Cotter has taken the superintendency of Thomas Dee's place.

Prof. C. S. Sargent, his son, A. R. Sargent, and John Muir, of Arnold Arboretum, have sailed for Europe on a search for botanical specimens.

The rose show at Horticultural Hall was held Tuesday and Wednesday, the date having been moved forward one week because of the forwardness of the season. J. S. MANTER.

CANANDAIGUA, N. Y.

This has been an unusually good season for all the florists and trade is still holding up well. Bedding plant trade was good.

The Florists' and Gardeners' Club held a banquet June 11 in honor of Charles H. Totty, of Madison, N. J. Mr. Totty formerly resided here and we all enjoyed seeing him once more. He gave a very interesting talk on the big exhibition next fall.

The long looked for rains have come and carnations in the fields are fine.

R. H. M.

Seed Trade News.**AMERICAN SEED TRADE ASSOCIATION.**

Pres., Walter P. Stokes, Philadelphia; First Vice-Pres., Chas. N. Page, Des Moines, Ia.; Sec'y and Treas., S. F. Willard, Wethersfield, Conn. The twenty-first annual convention will be held at Philadelphia and Atlantic City, June 23, 24 and 25, 1903.

THE Carney Seed Co. has been organized at Dayton, O., to deal in farm seeds and machinery.

THE insurance on the H. W. Buckbee seed stock at Rockford, Ill., destroyed by fire June 4, is reported as \$78,000.

THE Albert Dickinson Seed Company has sold a tract of 33 acres on the Calumet river, South Chicago, for \$217,250.

REPORTS from Manitowoc state that notwithstanding the light frost of last week, peas show up in excellent condition.

THE Wisconsin Seed Co. has been organized at Milwaukee by Ernest Reel, formerly with S. Courteen, and Frank Hase.

THE name of the John R. Watts Seed Co., Louisville, Ky., has been changed to National Seed Co. There is no change in the management.

THERE are no developments in the French bulb situation. The latest advices at hand in Chicago indicate prices at Ollioules as about 90 francs.

W. ATLEE BURPEE, of Philadelphia, has issued invitations to members of the seed trade and their friends for "a day at Fordhook," Saturday, June 27.

In the bean-growing districts of Michigan heavy rains have greatly reduced the prospects of a good bean crop, and unless conditions speedily change the outlook will be worse than poor.

JOHN C. LEONARD and Miss Helen M. Gale were married June 16, at the Church of the Redeemer, Chicago, in the presence of a large gathering of their friends, and left, after the reception, for a two months' tour of southern California. The groom is a son of S. F. Leonard and treasurer of the Leonard Seed Co.

THE condition of the growing seed crops generally has been very materially affected by the weather. Frosts in some Wisconsin pea growing sections have hurt many of the varieties, especially the extra early kinds. Lack of rain in the bean sections, too much rain where vine seeds are grown and the unfavorable conditions for getting a start on sweet corn makes the outlook at this time rather unpromising.

Late advices from the bean growing sections of New York state are not very encouraging. The drought having exterminated the hay crop and prevented the planting of corn, the farmers are not disposed to accept seed bean contracts and are devoting their energies toward getting a crop of hay and corn for their stock for the coming winter. The same is also true of the vine seeds grown in Washington county, of that state. The early pea crop is also reported as having been badly injured by the drought; not over 60 per cent of a crop is predicted, and the crop is not yet safe from future mishaps. Some

early and late sorts promise a better yield. Future conditions may greatly alter the prospects.

At Chicago the onion set crop has been retarded by cool weather and lack of rain. The present outlook is not as good as it was some two weeks back. The maggot is working and bare spots show in many places where the seed came up strong at first. At other onion set sections reports are not favorable. This, with the addition of the serious loss to the set crop, occasioned by the floods, is likely to cause a very short crop of sets.

PHILADELPHIA.—The long drought is at an end, but has seriously affected the 1903 crop of seeds in this locality. Radishes, beets, turnips, rutabagas, spinach, tomato and onion seeds will be less than 50 per cent of the expected yield. The late rains will greatly benefit the onion set situation, but it must be remembered that not more than 50 per cent of the usual quantity of seed was sown for the 1903 crop. The large onion crop from sets is also a failure and the market is being supplied by importations from Bermuda and Egypt. The failure of the large onion crop means no seed bulbs for the planting of the 1904 crop. Much of the early planting of sugar corn has failed to germinate, presumably on account of the dry weather, and the demand for second and late planting has been very heavy. The dry weather has also greatly retarded the planting of field corn and, as the season is now well advanced, the demand for early maturing varieties is unprecedented; both white and yellow flint are completely exhausted. Millets, cow peas, soja beans, crimson clover and amber cane are in heavy demand, the timothy and clover crops for hay being an entire failure. The mail trade for May and June was considerably below the average. The Ely Seed Co. is seeking new quarters because of the expiration of their lease on Market street.

SAMPLES OF SEEDS.

Robert B. Armstrong, assistant secretary of the treasury, issued the following order to officers of customs under date of June 9:

At the instance of the Secretary of Agriculture it is hereby directed that, commencing July 1, 1903, and continuing for one year, 2-ounce samples of all importations of 100 pounds or more of grass, clover and forage plant seeds be prepared at the earliest practicable date after entry and forwarded to the Seed Laboratory, Department of Agriculture, Washington, D. C., labeled with names and addresses of consignors and consignees, name of seed as given in the invoice and quantity of the consignment.

SEEDSMEN'S PROGRAM.

Secretary S. F. Willard has mailed to members a very handsome program for the twenty-first annual meeting of the American Seed Trade Association at Atlantic City, N. J., June 23-25. Aside from the president's address, the reports of officers and committees, there is a very strong lot of papers promised, including the following: "Southern Forage Plants," Geo. B. McVay, Birmingham, Ala.; "The Importance of Accurate Descriptions of the Varieties of Garden Vegetables," W. W. Tracy, Washington; "Limiting our List of Varieties," Lester L. Morse, Santa Clara, Cal.; a paper on bulbs, by H. F. Michell, Philadelphia; "Vine Seeds; Insect Pests and Remedies," J. C. Robinson, Waterloo, Neb.; "Seed Advertising, Past and Present;

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50 Barclay St. N.Y.

Cycas Stems.

2 to 3 lbs. 4 to 5 lbs. 6 to 7 lbs.
Per 100 lbs....\$7.50 Per 1000 lbs...\$65.00

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Timothy, Clovers, Flax, Hungarian, Millets, Red Top, Blue Grass, Lawn Grass, Orchard Grass, Pasture Mixtures, Bird Seeds, ENSILAGE CORN, POP CORN, BUCKWHEAT, BEANS, PEAS, ETC. COTTON GRAIN BAGS. CHICAGO ILL.

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Why it Does Not Pay Better and Some Remedies," F. B. White, Chicago; "Cabages," J. M. Lupton, Mattituck, N. Y.; "Trials in Peas for the Government," C. N. Keeny, LeRoy, N. Y.; "Systems in Business," C. E. Wilson, Chicago; "The Application of System to the Seed Business," H. A. McKee, Chicago. A rate of a fare and a third on the certificate plan has been granted by all railroads and a large attendance is expected. June 27 will be spent at Fordhook.

IN KENTUCKY.

Wood, Stubbs & Co., Louisville, Ky., write as follows:

"Up to about the first of June the weather was exceedingly dry and all crops, both in the garden and on the farm, were looking very badly. Since that time we have had a good deal of rain and everything has improved wonderfully. Onion sets now promise to be a fair crop and, while the acreage is not as much as last year, we do not anticipate much shortage. Orchard grass has been helped out wonderfully and now promises a pretty fair crop. Kale seed is looking well, as is Seven Top turnip for seed. The onion seed crop will be a fair one. The acreage this year is not as much as usual, but we are not anticipating high prices. Blue grass is reported to be somewhat shorter than last year. Red Top has suffered more or less from the dry weather and the price may be a little higher. Winter turf oats promise to make a good sized crop. There are thousands of acres of these grown in this locality and Louisville is now one of the principal markets on these.

"The demand for all kinds of seeds has kept up remarkably well all during the spring. In May the demand for millet and cow peas was somewhat slow, due to the weather conditions: in fact, no one could plow on account of the dry weather. Since the first of June there has been an unusual demand for these two items and prices have gone up considerably. Nearly all seed corn stocks in this market are exhausted, though there is a fair supply of most other seeds."

CONCORD, N. H.—G. J. Benedict has done much planting in neighboring towns this season.

FINDLAY, O.—Hail hit all the greenhouse establishments May 27, doing damage of from \$100 to \$700 in each place.

NEW CROP SEEDS

Primula Sinensis Fimbriata.

(English Grown.)
"The Grand" Mixture, trade packet, 50c
Primula Forbesi, trade packet.....25c

Cineraria Hybrida Grandifl.

(English Grown.)
Hunt's "Special" Mixture, tr. pkt....50c

Calceolaria Hybrida Grandifl.

Hunt's Import Mixture, tr. pkt....\$1.50
All the types, including the self-colored, tigered, mottled, variegated, spotted.

Gloxinia Grandiflora.

Hunt's Extra Select Mixture, tr. pkt., 50c
A mixture of exclusive French hybrids, including Fire King, Defiance, Frederic, etc.

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PRIMROSE --- Chinese Fringed.

Kermesina Splendens.....	Trade Pkt., 50c
White, Yellow Eye.....	" 50c
Bright Pink.....	" 50c
Brilliant Red.....	" 50c
Rosy Morn.....	" 50c
Blue.....	" 50c
Flesh Color.....	" 50c
Mixture of above.....	" 50c
Fern Leaved Mixed.....	" 50c
Obconica Grandiflora, White.....	" 50c
" " Rosy Chamoise.....	" 50c
" " Bright Rose.....	" 50c
" " Fringed Mixed.....	" 50c

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DALLAS, TEXAS.

The past week closes the busy season for the retail and store florists. The season has been a busy one and the past two weeks have been unusually active. School commencements made a heavy demand for flowers, both in and out of the city.

Mr. and Mrs. Ernest Nitchie are on their way to visit the home of their childhood in Germany.

Otto Lang is settled in his newly furnished store, having completely overhauled the same.

The Haskell Avenue Floral Co. has its force busy getting in the rose cuttings for another season's business. They will try and double the output of the past season. They will put in about 100,000 in the first lot and this will be followed by from four to six more batches. They have about 50,000 carnations in the field and they are as heavy as they usually are in September, having been pinched back the third time.

LONE STAR.

TORONTO.

The changeable weather of the last few weeks has had a considerable effect upon the supply of cut flowers. The hot weather rushed in a heavy cut, many being of a very inferior grade. The cool weather coming on shortened the supply, but we now note that the quality is again coming up. Some very fine Brides and Maids for this time of the year are being sent in. Crowhurst, of Mimico, is sending in at present the finest Lawsons seen in the city. Stems and blooms as well as color are first-class. Peonies are with us in quantity and give us a lot of work for very little money. However they are an agreeable change and help to make a show.

D. J. S.

CONNERSVILLE, IND.—Walter Hedges will go into business, building two fine greenhouses at East Connersville, where he has a four-acre tract.

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	100	1000
Chrysanthemums, standard kinds.....	\$1.50	\$12.50
new kinds.....	2.50	20.00
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Fuchsias, assorted kinds.....	1.50	12.50
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Coleus, rooted cuttings, strong.....	.85	2.50
Jasmines, revolutum, yellow.....	1.50	12.50
Paris Daisies, white.....	1.00	10.00
Moonflowers, white, very strong plants.....	1.75	15.00
Ponderosa, lemon.....	2.50	20.00
Alternanthera, aurea nana.....	1.50	12.50
Hermesdorf, new, fine.....	2.50	20.00
Croton, volentum recurved, fine.....	3.00	25.00
Cannas, fine started plants, best var.....	2.50	20.00
Agathas, celestia.....	2.00	20.00
Asparagus, Sprengeri, strong.....	2.00	15.00
plumosus nanus, equal 3 and 4-inch.....	3.00	25.00
Lantanas, assorted.....	1.50	12.50
Abutilons, assorted.....	1.50	12.50
Double Sweet Alyssum.....	1.50	12.50

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Chinese, 2-in. pots, July.....	\$2.00 per 100
Obconica, alba and rosea.....	2.00
Forbesi, "Baby".....	2.00
Smilax, 2 in. pots.....	1.00

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This is your chance to lay in a stock of Godfrey Aschmann's tip-top **Araucaria Excelsa**. Do it now and they will help to fill your treasure box; they will be growing into money for you while you're asleep. We are headquarters for this great favorite among decorative plants. Our houses are full of choice April importations—no seedlings—raised in Belgium from top cuttings only. Here is my very lowest quotation. Who can beat such stock as I offer for the money?

5½-in., 2 to 3 tiers, 8 to 10 in. high.....	\$0.50 each
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6-in., 4 to 5 " 16 to 18 ".....	80c, 90c, 1.00

Kentia Belmoreana—4 years old, 30 to 36 in. high, 5½-in. pots, 75c to \$1.00 each.

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4-in., \$5.00 per 100; 2½-in., \$2.50 per 100. All standard bedders.

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Coleus—2½-in., \$1.50 per 100. 10 varieties. **Verbenas**—2½-in., assorted, in bloom, \$2.00.

Heliotrope—2½ and 3-in., \$1.50 and \$2.50.

50 Boston Ferns—5-in., 30c each.

40 Tremula Ferns—4-in., 10c each.

100 Mme. Sallerei Geraniums—2½ and 3-in., \$2.50 and \$3.00.

200 Centaurea—Gymnocarpa, 2½-in., \$2.00.

150 Alternantheras—Red and yellow, 2½-in., \$2.00.

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Extra.....	1.50	
No. 1.....	1.00 to 1.25	
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Queen of Edgely, Specials.....	2.00 to 2.50	
Firsts.....	1.00 to 1.50	
Seconds.....	.50 to .75	
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No. 2.....	2.00 to 3.00	
Carnot, Firsts.....	6.00 to 10.00	
Seconds.....	3.00 to 4.00	
Golden Gates, Firsts.....	4.00 to 8.00	
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Cut Flower Exchange.
OPEN ALL DAY!
AN UNEQUALLED OUTLET FOR CONSIGNED FLOWERS.
Telephone No. 2438 Madison Sq.

JAMES A. HAMMOND,
Wholesale Commission Florist,
113 W. 30th St., NEW YORK CITY.
Tel. 854 Madison Sq.
Consignments receive conscientious and prompt
attention. Highest market price guaranteed.
The finest stock in the market always on hand.

TREES, PLANTS, BULBS, &c.
Our Illustrated and Descriptive Price List of FOR-
EIGN and DOMESTIC Bulbs, Plants, Seeds, Shrubs,
Fruit and Ornamental Trees, Grape-vines, etc., all for
Spring planting, will be mailed FREE to all. Address,
HANS & NEUNER, Louisville, Ky.
Mention the Review when you write.

Wholesale Cut Flower Prices.

New York, June 17.

	Per 100
Beauties, Specials	\$ 8.00 to \$10.00
" Fancies	6.00 to 8.00
" Extra	4.00 to 5.00
" No. 1	2.00 to 3.00
" No. 2	1.00 to 2.00
Queen of Edgely	8.00 to 20.00
Brides and Maids, Specials	4.00
" Extra	2.00 to 3.00
" No. 1	1.00 to 2.00
" No. 2 .....	.50 to 1.00
Golden Gates	5.00 to 8.00
Liberty	4.00 to 5.00
Meteor	1.00 to 4.00
Mme. C. Testout	2.00 to 6.00
Mrs. Morgan	5.00 to 8.00
Perles	2.00 to 3.00
Sunrise	2.00 to 4.00
Cattleyas	25.00 to 30.00
Carnations, Common .....	.25 to .50
" Selects .....	.75 to 1.00
" Fancies	1.00 to 1.50
Adiantum cuneatum .....	.50 to .75
" Farleyense	5.00 to 10.00
" Croweatum	1.25 to 1.50
Asparagus plumosus, Strings	25.00 to 50.00
Plumosa Sprays, \$2.00 a doz. bunches.	
Sprenger Sprays, 2.00	
Sweet Peas, per 100 bunches, \$2-\$5	
Peonies	2.00 to 5.00
Harrisii lilies	3.00 to 5.00
Callas	3.00 to 5.00
Valley	1.00 to 2.00
Smilax	6.00 to 10.00
Pansies .....	.50 to 1.00
Daisies .....	.50 to 1.00
Ferns, Common, per 1000, 75c.	
" Fancy, per 1000, \$1.50.	

An arbitrary price list is impossible under present conditions, but for form's sake some sort of a list is necessary and so the above is ventured as an average, but when cleaning up hour arrives, everything goes for almost any price that is offered. When the wholesaler shows you about every seasonable flower in profusion and says "we can't give them away," some idea of the situation may be gained by those interested in cut flower quotations.

I wish to state that I am well pleased with Scott's Manual, which I got last year. It is very helpful. No florist should be without one. JOHN L. MEYER, Devon, Pa.

Pacific Florist ISSUED MONTHLY by the
Pacific Florist Publishing Co.,
229 Stevenson St., San Francisco, Cal.
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Subscription \$4.00 per year.

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Lily of the Valley, Orchids
and all seasonable flowers.

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42 West 28th Street
New York

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Wholesale Florists,
34 West 29th Street, NEW YORK.
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Telegraph your wants. Everything in the line
of cut flowers shipped to all parts of the United
States. Send for Weekly Price List.
Mention The Review when you write.

The New York Cut Flower Co.

55 and 57 West 26th Street,
WHOLESALE FLORISTS.
Daily Reports. Weekly Payments.
Tel. 2239 Madison Sq. J. A. MILLANG,
2034 Madison Sq. Manager.

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12x11, containing 24 different funeral
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Specialties, CARNATIONS and MIGNONETTE.

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QUEENS, - L. I., N. Y.

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2-inch pots,
\$3.00 per 100; \$25.00 per 1000

Asparagus Sprengeri

2-inch pots,
\$3.00 per 100; \$25.00 per 1000

ISAAC H. MOSS, GOVANSTOWN,
BALTIMORE, MD.

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LEADING NOVELTIES OF 1903.
The Best Varieties of 1902.
All the Standard Varieties.
Send in your orders for Rooted Cuttings now.
GEO. HANCOCK & SON, Grand Haven, Mich.

Wholesale Cut Flower Prices.

Cincinnati, June 17.

	Per 100	Per 1000
Beauties, Specials		\$25.00
Extra	\$15.00 to	20.00
No. 1	8.00 to	12.50
Shorts	4.00 to	6.00
Brides and Maids, extra		6.00
No. 1	4.00 to	5.00
No. 2	2.00 to	3.00
Golden Gates	3.00 to	6.00
Kaiserin	3.00 to	6.00
Meteor	3.00 to	6.00
Perle	2.00 to	5.00
Carnations, Commons		1.50
Selects	2.00 to	2.50
Fancies		3.00
Adiantum Cuneatum	1.00 to	1.50
Asparagus plumosus, Strings		50.00
Sprengeri, Sprays	2.00 to	3.00
Callas	6.00 to	8.00
Daisies .....	.35 to	.50
Lilium Longiflorum	8.00 to	10.00
Lily of the Valley	3.00 to	4.00
Pansies .....		.50
Smilax	12.50 to	15.00
Stocks	2.00 to	4.00
Sweet Peas .....	.35 to	.50
Galax .....		.15
Leucothoe .....		.50
Common Ferns .....		.20

Baltimore, June 17.

	Per 100	Per 1000
Beauties No. 1	\$15.00 to	\$18.00
Shorts	5.00 to	6.00
Brides and Maids, No. 1	3.00 to	5.00
No. 2	2.00 to	3.00
Golden Gate	3.00 to	5.00
Liberty, Shorts	2.00 to	3.00
Meteor, Shorts	2.00 to	3.00
Perle	3.00 to	4.00
Carnations, Commons .....	.75 to	1.00
Selects	1.25 to	1.50
Adiantum Cuneatum		1.00
Asparagus plumosus, Sprays		2.00
Sprengeri, Sprays		2.00
Callas		6.00
Lilium Harrisii	6.00 to	8.00
Peonies	2.00 to	2.50
Sweet Peas25 to	.35

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Surplus Stock!

In Prime Condition. Write for prices.

1000 Oliver Ames, 4-inch pots.
2000 Mme. Cusin, 3 and 4-inch pots.
2000 Pierpont Morgan, 3 and 4-inch pots.
2000 Meteor.
3000 Bridesmaid, 3 and 4-inch pots.
3000 Bon Silene.
1000 Isabella Sprunt.
500 Safrano.

2000 8-inch Sprengeri, extra strong, \$8.00 per 100.

JOHN BREITMEYER'S SONS,

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DOUBLE FRINGED PETUNIAS

ANo. 1 assortment of money-makers, strong 2-inch, \$2.00 per 100.
Geraniums—Mixed, 2-inch, \$2.00 per 100.
Verbenas—2-inch, \$1.50 per 100.

Also Chrysanthemums, Pelargoniums, Star Petunias, Selaginellas, Salvias, etc.

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TRAENDLY & SCHENCK, Wholesale Florists

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108 Livingston Street, BROOKLYN, N. Y.
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GALAX Bronze or Green, \$1.00 per 1000;
75c per 1000 in 5000 lots.

Leucothoe Sprays; Bronze or Green, \$1 per 100.

Fancy Ferns, \$2.00 per 1000.

Green Sheet Moss, fresh stock, \$2.50 bbl. sack.

Sphagnum Moss, \$1.75 per bale.

Small Green Galax for Violets, \$1.00 per 1000

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Ferns, Galax Leaves and Leucothoe Sprays

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OF

Palms, Etc.

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Coleus, Verschaffeltii and Queen,

from 2 1/4-inch pots,
per 100 \$2.00

CANNAS

from flats, well started,
per 100 \$6.00

Silver-Leaved Geraniums

Silver-Leaved Nutt, from 3-inch pots, per 100, \$15.00. Mme. Languth, from 3-inch pots, per 100, \$10.00.

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CROMWELL, CONN.

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NEW YORK CITY.

HARRIS H. HAYDEN, Pres.

WM. A. MOORE, Vice-Pres.

JNO. E. WALKER, Sec. and Treas.

Wholesale Cut Flower Prices.

Chicago, June 17.

	Per doz.
Beauties, 36 to 40-inch stems.....	\$3.00
" 30-inch stems.....	2.50
" 24 ".....	2.00
" 20 ".....	1.50
" 16 ".....	1.25
" 12 ".....	1.00
" Shorts.....	.75
Per 100.	
Bridesmaids, Specials.....	\$5.00 to \$6.00
Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Brides, Specials.....	5.00 to 6.00
Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Kaiserin.....	4.00 to 8.00
LaFrance.....	4.00 to 8.00
Perles, Firsts.....	5.00 to 6.00
Seconds.....	2.00 to 3.00
Liberty, Specials.....	8.00 to 10.00
Firsts.....	6.00 to 8.00
Seconds.....	4.00 to 5.00
Golden Gate, Firsts.....	5.00 to 6.00
Seconds.....	2.00 to 4.00
Meteor, Firsts.....	5.00 to 6.00
Seconds.....	2.00 to 4.00
Mme. Chatenay, Firsts.....	8.00 to 10.00
Seconds.....	4.00 to 6.00
Sunrise.....	4.00 to 7.00
Ivory, Firsts.....	5.00 to 6.00
Seconds.....	3.00 to 4.00
Carnations, Fancy.....	2.00 to 3.00
Commons.....	1.00 to 1.50
Gladioli.....	3.00 to 8.00
Valley.....	4.00
Harrisii Lilies.....	8.00 to 18.00
Peonies.....	3.00
Marguerite.....	.25 to .35
Adiantum cuneatum.....	6.00
Asparagus plumosus, Strings.....	50.00
Sprays.....	2.00 to 4.00
Asparagus Sprengeri, Sprays.....	2.00 to 8.00
Smilax.....	\$1.50 per doz.
Common ferns, per 1000.....	\$2.50
Galax Leaves, Bronze, \$1.25 per 1000	
Green, \$1.00 to \$1.25 per 1000	

Pittsburg, June 17.

	Per 100
Beauties, Specials.....	\$20.00 to \$25.00
Extra.....	10.00 to 15.00
No. 1.....	6.00 to 8.00
Shorts.....	3.00 to 5.00
Brides and Maids, Specials.....	6.00
Extra.....	4.00 to 5.00
No. 1.....	2.00 to 3.00
No. 2.....	1.00
Cosin.....	2.00 to 3.00
Kaiserin.....	4.00 to 10.00
Liberty.....	4.00 to 12.00
Meteor.....	2.00 to 4.00
Perles.....	2.00 to 4.00
Carnations, Common.....	.50
Selects.....	.75 to 1.00
Fancies.....	1.00 to 2.00
Prosperity.....	3.00
Adiantum Cuneatum.....	1.00 to 2.00
Asparagus plumosus, Strings.....	40.00 to 50.00
Sprays.....	2.00 to 3.00
Sprengeri, Sprays.....	2.00 to 3.00
Daisies.....	.25 to 1.50
Gladioli.....	6.10 to 10.00
Lilium Longiflorum.....	8.00 to 12.00
Lily of the Valley.....	2.00 to 4.00
Peonies.....	4.00 to 6.00
Smilax.....	10.00 to 15.00
Sweet Peas.....	.25 to 1.00

Milwaukee, June 17.

	Per 100
Beauties, Specials.....	\$25.00
Extras.....	\$15.00 to 18.00
No. 1.....	10.00 to 12.00
Shorts.....	4.00 to 6.00
Brides and Maids, Specials.....	6.00
Extra.....	4.00
No. 1.....	3.00
No. 2.....	2.00
Golden Gates.....	4.00 to 6.00
Jacqueminot.....	4.00 to 6.00
Kaiserin.....	4.00 to 6.00
Liberty.....	4.00 to 6.00
Meteor.....	4.00 to 6.00
Perle.....	2.00 to 6.00
Carnations, Selects.....	1.00 to 1.50
Fancy.....	2.00
Asparagus plumosus, Strings.....	50.00
Sprays.....	2.00 to 4.00
Sprengeri.....	2.00 to 4.00
Daisies.....	.50
Gladioli.....	4.00
Lily of the Valley.....	4.00
Peonies.....	4.00 to 6.00
Smilax.....	18.00
Sweet Peas.....	.50
Galax.....	.20
Common Ferns.....	.30

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Roses and

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A Specialty.....

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Grower and Wholesaler of Cut Flowers

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Headquarters for American Beauty.

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51 Wabash Avenue, - - CHICAGO.

GREENHOUSES, ROGERS PARK, ILL.

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All telegraph and telegraph orders

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Special attention

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51 Wabash Ave., Chicago,

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Two Daily Shipments from my greenhouses.

Fresh Stock always ready for orders.

Write, Wire or Phone. Quick Service Given.

Lily of the Valley.

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Manufactured by

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10,000...\$1.50; 50,000... \$6.25. Sample free.

For sale by dealers.

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WHOLESALE FLORISTS AND CUT FLOWER COMMISSION.

Full line of FLORISTS' SUPPLIES and SUNDRIES.

COMMON FERNS, \$1.50 per 1000.
GALAX, Bronze or Green, 1.00 "

51 Miami Ave., Detroit, Mich.

Wholesale Cut Flower Prices.

Detroit, June 17.

	Per 100
Beauties, Specials.....	\$25.00
Extra.....	20.00
No. 1.....	15.00
Shorts.....	\$5.00 to 10.00
Brides and Maids, Specials.....	6.00
Extra.....	5.00
No. 1.....	4.00
No. 2.....	3.00
Cusin.....	3.00 to 5.00
Kaiserin.....	3.00 to 6.00
Meteors.....	3.00 to 6.00
Perle.....	3.00 to 5.00
Cattleyas.....	50.00
Cypripediums.....	25.00
Carnations, Common.....	1.00
Selects.....	2.00
Fancies.....	2.00 to 3.00
Adiantum Cuneatum.....	1.00 to 1.50
Asparagus plumosus, Strings.....	40.00 to 50.00
Sprengerl, Sprays.....	2.00 to 4.00
Daisies.....	.50 to .60
Gladioli.....	3.00 to 5.00
Lilium Harriahi.....	12.50 to 15.00
Lily of the Valley.....	3.00 to 5.00
Mignonette, Ordinary.....	2.00
Fancy.....	3.00
Peonies.....	4.00 to 6.00
Smilax.....	15.00
Stocks.....	2.00 to 3.00
Sweet Peas.....	.40 to .75
Galax.....	.10
Leucothoe.....	1.00
Common Ferns.....	1.75

The market is on an even base, weddings and school exercises keeping the stock well cleaned up. Peas are much sought after for these occasions. In roses, Beauties lead, with Meteor a close second. Maids and Brides are small, but color good. Carnations are cleaning up well, but lower grades selling low.

St. Louis, June 17.

	Per doz.
Beauties, Specials.....	\$2.50 to \$3.50
Extra.....	2.00 to 3.00
No. 1.....	1.50 to 2.00
Shorts.....	.50 to 1.00
Brides and Maids, Specials.....	\$5.00 to \$6.00
Extra.....	3.00 to 4.00
No. 1.....	1.50 to 2.00
Carnot.....	4.00 to 5.00
Golden Gates.....	4.00 to 5.00
Kaiserin.....	3.00 to 5.00
Liberty.....	3.00 to 5.00
Meteor.....	3.00 to 5.00
Perle.....	3.00 to 4.00
Sunrise.....	3.00 to 4.00
Carnations, Commons.....	2.00 to 3.00
Fancies.....	4.00 to 5.00
Adiantum Cuneatum.....	1.00 to 1.25
Adiantum Farleyense.....	1.00 to 1.25
Asparagus plumosus, Strings.....	35.00 to 50.00
Sprengerl, Sprays.....	1.00 to 1.50
Sprengerl.....	1.00 to 1.50
Asters.....	2.00 to 3.00
Callas.....	5.00 to 8.00
Daisies.....	.25 to .50
Gladioli.....	3.00 to 5.00
Lily of the Valley.....	3.00 to 4.00
Mignonette, Ordinary.....	2.00 to 3.00
Fancy.....	4.00 to 5.00
Pansies.....	.25 to .50
Smilax.....	15.00 to 18.00
Sweet Peas.....	.35 to .50
Galax.....	.15
Common Ferns.....	.20

We cannot do without our REVIEW, the best paper of its kind going.—W. P. LYON, Niagara Falls, Ont.

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Cut Flowers and Florists' Supplies.

Manufacturers of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

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HOLTON & HUNKEL CO.

WHOLESALE FLORISTS.

MILWAUKEE, - WIS.

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Wm. Murphy,

Grower and Commission
Dealer in.....

Cut Flowers and Florists' Supplies,
Telephone Main 980.

130 E. 3d Street. CINCINNATI, OHIO.
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Maplewood Cut Flower and Plant Co.

GEO. M. KELLOGG, Pres.

Growers of CUT FLOWERS at Wholesale.

Regular shipping orders given special attention. We have the largest plant west of Chicago.

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Greenhouses: Pleasant Hill, Mo.

J. M. McCULLOUGH'S SONS

Wholesale

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ALSO SUCCESSORS TO

THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

316 Walnut St., CINCINNATI, OHIO.

Wholesale Cut Flower Prices.

Boston, June 17.

	Per 100.
Beauties, Specials.....	\$25.00
Extra.....	\$15.00 to 20.00
No. 1.....	8.00 to 12.00
Shorts.....	2.00 to 6.00
Brides and Bridesmaids, Specials.....	8.00
Extra.....	6.00
No. 1.....	2.00 to 4.00
No. 2.....	.50 to 1.00
Carnot.....	2.00 to 10.00
Golden Gate.....	2.00 to 4.00
Kaiserin.....	2.00 to 10.00
Liberty.....	2.00 to 12.00
Meteor.....	2.00 to 8.00
Mrs. Morgan.....	2.00 to 6.00
Perle.....	2.00 to 6.00
Ulrich Brunner.....	2.00 to 8.00
Carnations, Common.....	.25 to .50
Selects.....	2.00 to 3.00
Fancies.....	2.00 to 3.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, Strings.....	50.00
Sprengerl, Sprays.....	1.00 to 2.00
Sprengerl, Sprays.....	1.00 to 4.00
Callas.....	10.00
Gladioli.....	6.00 to 8.00
Lilium Longiflorum.....	6.00 to 8.00
Lily of the Valley.....	8.00 to 5.00
Mignonette, Ordinary.....	1.00
Peonies.....	4.00 to 8.00
Smilax.....	20.00
Stocks.....	1.00 to 4.00
Sweet Peas.....	.25 to .50
Galax.....	.15
Common Ferns.....	.15

Buffalo, June 17.

	Per 100
Beauties, Specials.....	\$25.00
Extra.....	15.00
No. 1.....	\$6.00 to 10.00
Shorts.....	3.00 to 6.00
Brides and Maids, Extra.....	6.00 to 8.00
No. 1.....	5.00 to 6.00
No. 2.....	4.00 to 5.00
Carnot.....	4.00 to 6.00
Cusin.....	3.00 to 4.00
Jacqueminot.....	2.00 to 3.00
Kaiserin.....	4.00 to 8.00
Liberty.....	4.00 to 7.00
Mme. C. Testout.....	4.00 to 6.00
Meteors.....	3.00 to 5.00
Perle.....	3.00 to 4.00
Carnations, Common.....	1.50 to 2.00
Selects.....	2.00 to 3.00
Adiantum Cuneatum.....	.75 to 1.25
Asparagus plumosus, Strings.....	50.00
Sprengerl, Sprays.....	2.50 to 3.50
Callas.....	8.00 to 10.00
Lily of the Valley.....	4.00 to 5.00
Mignonette, Ordinary.....	2.00 to 3.00
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Sweet Peas.....	.40 to .60
Water Lilies.....	4.00 to 6.00

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We handle only the best that grow in the "Old Berkshire Hills." Send us your order and we will please you. 5c per 100 in lots of 5000 or over; 65c per 100 in lots of less than 5000. A sample order will convince you that ours are the best. Also Sphagnum and Sheet Moss, Laurel and Bouquet Evergreen in roping, wreaths or loose, etc., etc. Order from us and you will make no mistake. Address all orders to

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Telegraphic orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.
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So. 13th Street, **LINCOLN, NEB.****S. B. Stewart,**119
No. 16th Street, **OMAHA, NEB.****Seattle Floral Co.**4th Ave. and
Denny Way, **Seattle, Wash.****Mrs. Chas. Eickholt,**2319
AVENUE M. **Galveston, Tex.****New Crop Fancy or Dagger Ferns**

75c per 1000. Discount on large orders. Contracts made to supply the year round. Use our **Laurel Festooning** for your June decorations. It's the best decorating material to be found for weddings, etc.; price 4c, 5c and 6c per yd. **Galax Leaves, Green or Bronze**, 75c per 1000. **Mosses** etc. Everything in the hardy supplies and gathered fresh daily. Send us your wants and be well satisfied.

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'MUM PLANTS
In 2 1/4-in. pots.

Mrs. Perrin, Maud Dean, Elvena, Wanemaker, Jerome Jones, Mutual Friend, G. Pitcher, Niveus, Golden Gate, Goldmine, Mrs. H. Robinson, Mme. Carnot, H. Hurrell, Maj. Bonnaffon, Willow Brook, J. K. Shaw, \$3 per 100; \$25 per 1000.
Alice Byron, \$5 per 100; Col. Appleton and Jeannie Falconer, \$4 per 100; Yellow Eaton, 50c each; \$5 per doz., \$30 per 100.

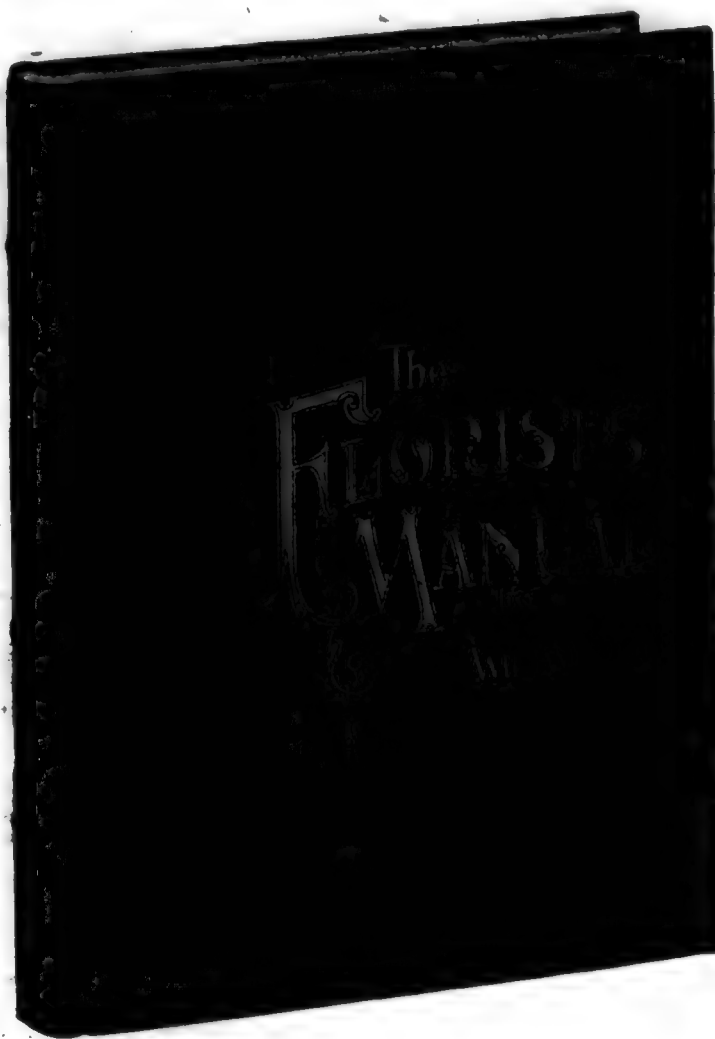
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ROSES.

Out of 2 1/4-inch pots, thrifty plants.
Brides and Bridesmaids, \$3.50 per 100; \$30 per 1000
Golden Gates, 2.50 per 100; 20 per 1000
WM. B. SANDS, Lake Roland, Baltimore, Md.

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Caxton Bldg., CHICAGO.

PITTSBURG.**The Market.**

Trade has been good and, with the usual weddings and school commencements, it should continue so for the balance of this month. Stock is of only ordinary quality. Large quantities of Maids, Brides and Kaisers are arriving, but to obtain 100 choice flowers it is necessary to go over 1,000 to get them. About the only fine flowers are Beauties. The demand for them is good, but prices very reasonable. The supply of carnations is still very heavy, especially on the poorer stock. The better grades, such as fancy white, pink and Prosperity, sell readily.

Local Notes.

The Pittsburg Cut Flower Co. is handling quantities of sweet peas of very good quality, grown by Theo. Beckert, of Coreopolis.

Fred Burki is still cutting very good longiflorum lilies.

Charles Koenig has a very good lot of gladioli coming on.

The recent flower show at Belleville was well attended. Among the exhibitors were Fred Burki, H. P. Joslin, H. C. Frick and E. C. Ludwig.

Mrs. E. A. Williams' window display of gloxinias and gladioli is worth seeing. The gloxinias are simply perfect.

Randolph & McClements had charge of the Mathieu nuptials, which called for an elaborate decoration. Mrs. Williams had order for the large Willock-Christy wedding.

A. W. Smith is busy with several large decorations this week.

Breitenstein & Flemm are receiving their share of June wedding orders.

The Pittsburg Rose and Carnation Co.,

at Bakerstown, is busy replanting the rose houses.

The Florists' Club has selected July 16 for its annual outing. The committee chose Ross Grove, the same place it has been held for the past few years.

E. C. Ludwig had a fine stock of candidum lilies last week, the only ones in the market.

The stock of bedding plants in this section is about all disposed of. All plantsmen report a very successful season.

Robert Nugent, who shot J. B. Ferguson, was found guilty of murder in the second degree.

Visitors: M. Rice and W. J. Boas, Philadelphia. Hoo-Hoo.

CARTHAGE, MO.—B. W. Speece has found trade good, a demand for everything he had to sell.

STAMFORD, CONN.—Mrs. A. Lindstrom will carry on the business of her husband, who died April 10. She has a good trade.

CLAY CENTER, KAN.—C. Humfeld reports that the floods did him much injury by shutting off communication for nearly two weeks.

NEW CASTLE, IND.—Several carloads of soil have recently been shipped to parties in neighboring states who wish to try it for roses.

FERGUS FALLS, MINN.—S. N. Mehlin is building greenhouses and starting in business, the only florist in this thriving city of 6,000 people.

ALBANY, IND.—There is a movement on foot here to organize a stock company to build a large range of greenhouses for cut flowers.

CLASSIFIED PLANT ADVERTISEMENTS.

Rate for advertisements under this head, 10 cents a line net, per insertion. New ads. and changes must reach us by Wednesday morning at latest to secure proper classification in issue of Thursday.

ABUTILONS.

Abutilons Souv. de Bonn. Eclipse, Mrs. John Laing, Santana, Golden Fleece, 2½-in., \$2.50 100; \$20.00 1000.
R. Vincent, Jr., & Son, White Marsh, Md.
Abutilons, trailing var. and green, 3 and 4-in., extra large, fine, 6c. Smaller ones, 40c doz.
Geo. M. Brinkerhoff, Springfield, Ill.

Abutilons, assorted, 2 and 2½-in., \$1.50 100. Cash.
C. A. Reeser Co., Urbana, O.
Abutilons Eclipse and splendens, 3-in., \$3.00 100.
J. G. Elsele, 20th and Ontario Sts., Phila.

ACALYPHAS.

Acalypha Macafeeana, \$3.50 100.
R. Vincent, Jr., & Son, White Marsh, Md.

ACHILLEAS.

Achillea The Pearl, white fl., 2½-in. pots, 30c doz., \$1.50 100, \$10.00 1000; 25 at 100 rate, 250 at 1000 rate.
Good & Reese Co., Springfield, O.

The CHEAPEST way, the EASIEST way, and the BEST way to get rid of that surplus stock is to use the REVIEW'S classified ads.

AGATHAEAS.

Agathaea coelestis, 2 and 2½-in., \$2.00 100. Cash.
C. A. Reeser Co., Urbana, O.

AGERATUMS.

Ageratum Stella Gurney, 2½-in., strong plants, \$2.50 per 100; \$20.00 per 1000. Cash with order.
S. Muir, 3530 Michigan Ave., Chicago.

Ageratum P. P. and Stella Gurney, 2½-in., \$1.25 100, \$12.00 1000. Cash.
Buckley Plant Co., Springfield, Ill.

Ageratum, the dwarf dark blue, \$3.00 100.
Albert Fuchs, 2045-59 Clarendon Ave., Chicago.

Ageratum, 3 varieties, 3½-in. pots, \$2.50 100.
J. E. Felthousen, Schenectady, N. Y.

Ageratum, 3-in., 3c ea., \$25.00 1000.
M. F. La Roche, Collingdale, Pa.

ALTERNANTHERAS.

Alternantheras, red and yellow, out of 2-in. pots, \$2.50 100, \$22.50 1000. Cash with order.
H. Stahlhut, New Lots Road and Shepherd Ave., Brooklyn, N. Y.

Alternanthera aurea nana, \$1.50 100, \$12.50 1000; Hermsdorf, new, fine, \$2.50 100, \$20.00 1000. 2 and 2½-in. Cash.
C. A. Reeser Co., Urbana, O.

Alternantheras, red and yellow; strong rooted cuttings, 50c 100; \$4.00 1000. Strong plants, 2-in., \$1.75 100. Davis Bros., Morrison, Ill.

Alternantheras, red, yellow and pink, bushy plants, \$2.00 per 100.
Chas. A. Juengel, 1837 S. 14th St., St. Louis, Mo.

Alternantheras, red and yellow, R. C., 50c; 2-in., \$2.00 100. L. Mosbaek, So. Chicago, Ill.

Alternantheras, red, yellow and pink, 2-inch, \$2.00 100.
A. J. Baldwin, Newark, Ohio.

Alternantheras, red and yellow, from soil, \$1.25 100.
G. M. Naumann, Doan St., Cleveland, O.

Alternantheras, red and yellow, 2½-in., \$2.50 100. W. J. & M. S. Vesey, Fort Wayne, Ind.

Alternantheras, 2½-in., \$1.50 per 100.
Texas Nursery Co., Sherman, Tex.

BUSINESS BRINGERS—
Review
Classified Ads.

ALYSSUM.

Alyssum, dbl. Giant, 2½-in., \$1.25 100; \$12.00 1000. Cash. Buckley Plant Co., Springfield, Ill.
Double sweet alyssum, 2 and 2½-in., \$1.50 100. Cash.
C. A. Reeser Co., Urbana, O.

AMPELOPSIS.

Ampelopsis Veltchil, strong seedlings fit to pot, \$1.00 100, postpaid. Cash.
Benj. Connell, West Grove, Pa.
Ampelopsis Veltchil, 3-in., 5c; 4-in., 10c; 5-in., 15c. Packing free for cash.
W. H. Salter, Rochester, N. Y.

ANTHERICUMS.

Anthericum variegatum, 3-in., 75c per doz.; 4-in., \$1.00 per doz., \$8.00 100.
F. WALKER & CO., Louisville, Ky.
Anthericum variegatum, 3-in., \$3.00 100.
J. G. Elsele, 20th and Ontario Sts., Phila.

AQUATICS.

WATER LILIES AND AQUATIC PLANTS.
We have a fine collection of the above, true to name. Send for price list.
Edw. S. Schmid, 712 12th St., N. W., Washington, D. C.

ARAUCARIAS.

Araucaria excelsa, raised in Belgium from top cuttings only.

	Tiers.	High.	Each.
5½-in. pots	2 to 3	8 to 10 in.	50c
5½-in. pots	3 to 4	10 to 12 in.	60c
5½-in. pots	3 to 4	13 to 15 in.	75c
6-in. pots, 4 to 5 tiers, 16 to 18 inches high,			80c, 90c and \$1.00 each.

GODFREY ASCHMANN, 1012 Ontario St., Philadelphia, Pa.

Araucaria excelsa, 2-in., 1 to 2 tiers, \$16.00 100. Araucaria imbricata, 2½-in., strong, stocky, \$10.00 100.
F. LUDEMANN, 3041 Baker St., San Francisco, Cal.

Araucaria excelsa, 2 to 3 tiers, \$5.25 per doz.; 3 to 4 tiers, \$7.50 per doz.
THE CONARD & JONES CO., West Grove, Pa.

ASPARAGUS.

Asparagus plu. nanus, 2½-in. pots, 50c doz., \$3.00 100, \$25.00 1000. A. Sprenger, 2½-in. pots, 40c doz., \$2.00 100, \$17.50 1000; 3-in. pots, fine, 75c doz., \$5.00 100; 25 at 100 rate, 250 at 1000 rate.
Good & Reese Co., Springfield, O.

Asparagus Sprenger, 2 and 2½-in., strong, \$2.00 100, \$15.00 1000; A. plumosus nanus, 2 and 2½-in., equal to 3 and 4-in., \$3.00 100, \$25.00 1000. Cash. C. A. Reeser Co., Urbana, O.

Asparagus Sprenger, 2-in., \$2.00; 3½-in., \$2.50; 3-in., \$3.00 100. A. plumosus nanus from flats, \$2.00 100; \$15.00 1000. Express prepaid.
Loomis Floral Co., Loomis, Cal.

Plumosus nanus; still have a fine lot of good, strong stock from 3-in. pots left at \$8.00 100. Cash with order.
JOSEPH TOWELL, Paterson, N. J.

Asparagus Sprenger, from flats, \$1.00 100, \$8.00 1000; 5000 for \$25.00; 2½-in., \$1.50 100, \$12.50 1000.
S. Whitton, 15 Gray Ave., Utica, N. Y.

Asparagus Sprenger, 2½-in., \$3.00; 3-in., \$4.00; 4-in., \$5.00; 5-in., \$15.00; 6-in., \$25.00 100.
J. H. Bornhoeft, Tipton, Ind.

Asparagus Sprenger, 4-in., \$7.00 100; 2½-in., \$3.00 100. Cash. Samuel J. Bunting, Elmwood Ave. and 58th St., Philadelphia, Pa.

10,000 strong Asparagus Sprenger, 2½-in., \$20.00 per 1000. Samples sent on application.
WALKER & McLEAN, Youngstown, O.

Asparagus Sprenger, 2-in. pots, \$2.00 100. A. plumosus nanus, July, \$2.50 100. Cash.
Jos. H. Cunningham, Delaware, Ohio.

Asparagus Sprenger, 2½-in., extra strong, \$3.00 100. Ready for 3 and 4-in. now.
Geo. M. Brinkerhoff, Springfield, Ill.

Asparagus Sprenger, 8-in., \$8.00 100.
John Breitmeyer's Sons, Detroit and Mt. Clemens, Mich.

ASPARAGUS PLUMOSUS NANUS.

Cut strings, 50 cents each.
W. H. ELLIOTT, BRIGHTON, MASS.

Asparagus Sprenger and A. plumosus nanus, 2-in., \$3.00 100; \$25.00 1000.
ISAAC H. MOSS, Govanstown, Baltimore, Md.

Asparagus Sprenger, extra fine, 2½-in., \$2.50 100.
A. J. Baldwin, Newark, Ohio.

Asparagus Sprenger, 3½-in. pots, \$10.00 100.
WM. A. BOCK, No. Cambridge, Mass.

Asparagus plumosus nanus, 50c doz.; \$4.00 100.
G. M. Naumann, Doan St., Cleveland, O.

Asparagus, both kinds, all sizes, fine. Write.
Geo. A. Kuhl, Pekin, Ill.

Asparagus plumosus, 4-in., \$10.00 100.
Crown Point Floral Co., Crown Point, Ind.

Asparagus Sprenger, 3-in., \$5.00 100.
Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, all sizes.
A. S. MACBEAN, Lakewood, N. J.

ASTERS.

Simple's, separate colors—white, rose, shell pink, purple and lavender—\$2.50 per 1000. Cash with order. Write for prices on large lots. Queen of the Market, mixed, 50c per 100.
A. & G. Rosbach, Pemberton, N. J.

Asters, Vick's Best, separate colors; strong plants, 60c 100; \$5.00 1000. Prepaid.
C. Humfeld, Clay Center, Kan.

Asters, Purity, Daybreak, White Early Market, Comet and Branching, fine plants, 50c 100; \$3.00 1000. Cash. Ray H. Palmer, Randolph, New York.

Strong transpl. Simple's Br. and Carlson's asters, \$4.00 1000; \$2.25 500. Cash with order, prepaid.
Henry Diers, Sibley, Ill.

Asters, Simple's Br. in color. Vick's Br., mixed, trans., very strong, \$10.00 1000.
L. Mosbaek, So. Chicago, Ill.

10,000 fine chrysanthemum-flowered aster plants, \$3.00 per 1000 f. o. b. Cash.
W. H. Drake, 567 Chicago St., Kenosha, Wis.

Asters, all the best var., 60c 100, \$5.00 1000.
Converse Greenhouses, Webster, Mass.

Simples, 5 varieties, 2½-in. pots, \$1.50 100.
J. E. Felthousen, Schenectady, N. Y.

BANANAS.

Bananas, well-rooted plants by express, \$2.00 doz. Bulbs, \$1.50, postpaid.
SOUTH FLORIDA NURSERY CO., Dade City, Fla.

BAY TREES.

BAY TREES. Cheap to make room—at cost prices. Stock limited and very fine. Order quick.

STANDARD BAYS.

28—30-in. crown diameter, per pair....\$12.00
4 ft. 6 in. crown diameter, per pair.... 30.00
If to be shipped outside New York add \$1.00 for each pair for packing. Cash with order, please.

ANTON SCHULTHEIS, College Point, L. I., N. Y.

Bay Trees. Have just received a fine lot of standards and pyramids.
F. W. O. Schmitz, Prince Bay, N. Y.

Bay Trees. Largest stock in America.
JULIUS ROEHR, Rutherford, N. J.

BEDDING PLANTS.

We beg to offer the following choice assortment of bedding stock for prompt delivery. All plants are strong, clean and healthy. We guarantee careful selection and packing. Geraniums, coleus, cannas, caladiums, salvias, Sallerol geraniums, lobellias, pansies (transplanted), verbenas (transplanted), Paris daisies, hardy pinks, sweet alyssums, alternantheras, vincas, Cobaea scandens, castor beans, dusty millers (transplanted), Gnaphalium linatum. Write for prices.

JEWELL NURSERY CO., Lake City, Minn.

Extra fine stock for immediate delivery. Geraniums, S. A. Nutt and Grant, 4-in., \$8.00 100. Mme. Sallerol, 2½-in. (equal to any 3-in.), \$3.00 100. Salvia splendens, 3-in., \$3.00 100. Pyrethrum (Golden Feather), 2-in.; verbenas, 2½-in., in bloom; coleus, 2½-in.; geraniums, assorted, 2½-in., \$2.00 100. Asters, Victoria, named colors, fine, healthy stock, transplanted, \$1.00 100.

HENRY BAER, R. R. No. 3, Peoria, Ill.

Bedding plants in more than 200 varieties. Price list ready. Call or write.
L. Mosbaek, 8500 Anthony Ave., So. Chicago, Ill.

BEGONIAS.

Begonias Argenteo-guttata, Metallica, Thurstoni and Margaritae, 2½-in., \$2.50 100. 400 Rex begonias, 4-in., \$10.00 100; 2-in., \$3.50 100. Cash.
C. P. Dieterich & Bro., Maysville, Ky.

Begonia Gloire de Lorraine, 2½-in. pots, \$15.00 per 100. Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

Begonia Gloire de Lorraine, guaranteed first-class stock; June and July delivery. \$15.00 100.
S. S. Skidelsky, 708 No. 16th St., Phila., Pa.

Begonias, in 10 varieties, 3½-in. pots, \$4.00 100. White Vernon, 3½-in. pots, \$3.50 100.
Victor H. Thomas, Box 82, Augusta, Ky.

Begonia Vernon, 2½-in., strong plants, \$2.50 per 100; \$20.00 per 1000. Cash with order.
S. Muir, 3530 Michigan Ave., Chicago.

Begonias Dewdrop and Thurstoni, \$2.00 100. Manicata aurea, strong plants, \$5.00 100.
C. L. REESE, Springfield, O.

Rex begonias, a number of the best varieties, 2-in., \$4.00; 2½-in., \$6.00 100.
N. O. CASWELL, Delavan, Ill.

Begonia Prince Bismark, the finest outdoor bloomer, \$2.00 doz.
Albert Fuchs, 2045-59 Clarendon Ave., Chicago.

B. Rex, named, 2-in., \$3.00 100. R. C., \$1.50 100. Cash. DANN & SON, Westfield, N. Y.

Begonias, assorted, 2 and 2½-in., \$2.00 100. Cash.
C. A. Reeser Co., Urbana, O.

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Begonias, flowering, 6 best vars., 40c doz., \$2.50 100. Good & Reese Co., Springfield, O.
 Rex begonia, 2 and 3-in., \$4.00 and \$6.00 100. Geo. M. Emmans, Newton, N. J.
 Begonia metallica, 3-in., \$3.00 per 100. J. G. Elsiele, 20th and Ontario Sts., Phila.

BERRIED PLANTS

Jerusalem cherries and Japanese peppers, 2½-in., \$2.50 100. M. F. La Roche, Collingdale, Pa.

BOUGAINVILLEAS.

Bougainvilleas, 4 and 5-in., \$2.50 per doz. J. G. Elsiele, 20th and Ontario Sts., Phila.

BOUVARDIAS.

Bouvardias, double pink, white and single scarlet, \$3.00 100. Levant Cole, Battle Creek, Mich.

BULBS.

Callas and Freesias. Ready for delivery during July and August. Will book your order now at the following prices: Callas, 1 to 1½-in. in dia. at \$3.00 per 100; 1½ to 2-in. in dia. at \$5.50 per 100; 2 to 2½-in. in dia. at \$7.50 per 100. Freesias, ¾-in. in dia. at \$3.00 per 1000; ½-in. in dia. at \$4.25 per 1000; ¾-in. in dia. at \$7.50 per 1000. Packing free. We also offer the following palm seeds: Phoenix canariensis at \$1.00 per 1000; Phoenix reclinata at \$4.00 per 1000; Washingtonia filifera at 75c per lb. (in hull); Washingtonia robusta at \$1.00 per lb. (in hull). Cash with order from unknown parties. GERMAIN SEED & PLANT CO., Los Angeles, Cal.

TUBEROSES. Dwarf Excelsior Double Pearl. Mammoth bulbs, 4 to 6-in. and over, 60c 100, \$4.50 1000; second size, 3 to 6-in. and over, 5000 for \$10.00, 25c 100, \$2.25 1000. JOHNSON & STOKES, 217-219 Market St., Philadelphia, Pa.

100,000 paper white narcissus bulbs, Calif. grown; all fine flowering bulbs. Ready for delivery from June 15 to Oct. 1, \$6.00 1000. Cash with order. Geo. Rosmarin, 1419 Bay St., Alameda, Cal.

Tuberose, the true dwarf Excelsior Pearl. extra fine stock, 4 to 6 in. circ., \$7.00 1000; 3 to 4 in., \$3.00 1000. F. W. O. Schmitz, Prince Ray, N. Y.

We shall be pleased to quote you prices on L. HARRISII, L. LONGIFLORUM and all other bulbs. J. M. Thorburn & Co., 36 Cortlandt St., N. Y.

American-grown bulbs of narcissi and daffodils, for August delivery. Send for list and prices. POAT BROS., Ettrick, Va.

Bulbs, Plants, Seeds, Hyacinths, Tulips, Narcissus, Lilies, etc. Special prices on application. JAMES VICK'S SONS, Rochester, N. Y.

Freesia refracta alba, ready July 1. Calla ethiopia, ready August. Order early. H. H. Berger & Co., 47 Barclay St., N. Y.

Calla bulbs, 1½ to 2-in., Aug. 1 delivery, \$5.00 100; express prepaid. California Carnation Co., Loomis, Cal.

Send for our bulb and plant catalogue. NANZ & NEUNER, Louisville, Ky.

CACTI.

Cacti, \$5.00 to \$8.00 per 100. WILLIAM TELL, Austin, Texas.

CALADIUMS.

Caladium New Century, the flowering caladium, 60c doz., \$4.00 100. Good & Reese Co., Springfield, O.

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Geraniums, La Favorite, Gen. Grant, S. A. Nutt, from 3-inch pots, \$4.00 per 100. Cash with order. Chas. A. Baird, Baird, N. J.

Geraniums, silver-leaved Nutt, from 3-in. pots, \$15.00 100. Mms. Languth, 8-in., \$10.00 100. Frank A. Pierson, Cromwell, Conn.

Geraniums Jean Vland, Nutt, Hill, Buchner and Ricard, 2½-in., \$2.25 100; \$20.00 1000. Cash. Buckley Plant Co., Springfield, Ill.

Geraniums, standard kinds, \$1.50 100, \$12.50 1000; new kinds, \$3.00 100, \$25.00 1000. 2 and 2½-in. Cash. C. A. REESER CO., Urbana, O.

1500 asstd. geraniums (named varieties), 3-in. Will sell low to make room. Write for prices. WM. SWAYNE, Bx. 226, Kennet Square, Pa.

Geraniums, the best bedders, mixed, 3-in., \$3.00 100. Extra strong 3½-in., \$5.00 100. Peterason & Kellner, Danville, Ill.

Geraniums Nutt, Bruanti, best dbl. pink and white; first-class stock, 4-in., \$6.00 100. Crabb & Hunter, Grand Rapids, Mich.

Geraniums in fine assortment, strong, 4-in. bushy plants, \$6.00 100, \$60.00 1000. ANDREW PETERSON, Paxton, Ill.

Geraniums, S. A. Nutt, Jean Vland, Marquis de Castellane, etc., 4-in., \$5.00 100. Carl Hagenburger, West Mentor, Ohio.

Geraniums, Nutt, Grant, Jaulin and other extra bedders, 4-in., \$7.00 100. Geo. M. Brinkerhoff, Springfield, Ill.

Geraniums Nutt, Perkins and Scarlet, 2½-in., \$2.00 100; 3-in., \$4.00 100. G. M. Naumann, Doan St., Cleveland, O.

Geraniums, good varieties, 4-in., \$6.00; 3-in., \$3.00; 2½-in., \$2.00 100. Crown Point Floral Co., Crown Point, Ind.

Ivy geraniums, fine. Peter Kruse, scarlet, etc., \$8.00 100. Albert Fuchs, 2045-59 Clarendon Ave., Chicago.

Geraniums, 4-in., \$5.00 100. Ivy ger., 2½-in., \$2.50 100. Converse Greenhouses, Webster, Mass.

1000 good asst. geraniums, named, 3-in. pots, \$4.00 100. L. J. Stuppy, St. Joseph, Mo.

Geraniums, best varieties, 5c. Hamilton Floral Co., 1180 N. Hamilton Ave., Chicago.

Geraniums, 4-in., fine, dbl. red, \$5.00 100. W. H. Gullett & Sons, Lincoln, Ill.

Geraniums, S. A. Nutt, 2½-in., \$3.00 100. Geo. L. Miller, Newark, Ohio.

Geraniums, mixed, 2-in., \$2.00 100. E. I. Rawlings, Quakertown, Pa.

Geraniums, see displayed adv. L. Mosbaek, South Chicago, Ill.

Lady Washington \$10.00 100. L. Stankowicz, Niles, Ill.

Geraniums, \$2.00 100. Cash. Jos. H. Cunningham, Delaware, Ohio.

GLADIOLI.

GLADIOLI. The finest collection in America; named sorts; mixtures. Betscher's new hybrids. Childsall, Groff's, Lemolmel, etc. O. BETSCHER, Canal Dover, Ohio.

Cushman's hybrid gladioli, nothing better; No. 1, \$5.00 per 1000. Cushman Gladiolus Co., Sylvania, O.

Gladioli bulbs, good mixture, 50c 100. Geo. M. Emmans, Newton, N. J.

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BERBERIS OREGONIUM (Mahonia). Seventy-five nicely arched sprays, containing 12 to 15 beautiful glossy green leaves each. Lasting qualities of a palm. Packed securely and sent by mail or express to any florist or dealer in the United States, charges paid, for \$1.00.

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Ornamental trees, shrubs, roses, clematis, fruit trees and small fruits. Send for price list. W. & T. SMITH CO., Geneva, N. Y.

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Send for our tree and plant catalogue. Nann & Neuner, Louisville, Ky.

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Heliotropes, in variety, 2½-in. pots, \$2.00 100; 3-in. pots, \$6.00 100. J. E. Felthousen, henectady, N. Y.

Heliotropes, extra strong from sand bed, \$1.00 100; if by mail, add 10c. Joseph Bradbury, South Orange, N. J.

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2500 dbl. hollyhocks, last Aug. sowing, white, pink and lavender, \$2.00 100. Geo. Engel, Xenia, Ohio.

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Honeysuckles, 2½-in. pots, 12 to 15 in. high; Scarlet Trumpet, Haileana, Chinese Evergreen and Golden Leaved, 30c. doz., \$2.00 100, \$15.00 1000. 25 at 100 rate; 250 at 1000 rate. Good & Reese Co., Springfield, O.

Honeysuckles (Lonicera), 10c. Hamilton Floral Co., 1180 N. Hamilton Ave., Chicago.

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Hydrangea Otaksa, 2 to 4 large blooms; fine plants in 5-in. pots, \$3.50 per doz., \$25.00 per 100. WAGNER PARK CONSERVATORIES, Sidney, O.

Hydrangeas Thomas Hogg and Monstrosa, fine, strong plants from 2½-in. pots, \$2.50 per 100; \$20.00 per 1000. SPRINGFIELD FLORAL CO., Springfield, Ohio.

Hydrangeas Otaksa, Thos. Hogg and read branching, 2½-in. pots, 50c doz., \$3.00 100. Good & Reese Co., Springfield, O.

Hydrangea Otaksa, in bloom, from 3-in., \$9.00 doz. Crown Point Floral Co., Crown Point, Ind.

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English ivy, short-branched, clean and healthy, not over 12 inches long, excellent, \$2.00 doz. Albert Fuchs, 2045-59 Clarendon Ave., Chicago.

English ivy, large and small leaved varieties, 2½-in., \$2.00 100; \$18.00 1000. F. WALKER & CO., Louisville, Ky.

Hardy English ivy, 2½-in., \$2.00; rooted cuttings, 75c 100, \$5.00 1000. R. Vincent, Jr. & Son, White Marsh, Md.

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English ivy, 3 to 5 ft. long, 10c. Hamilton Floral Co., 1180 N. Hamilton Ave., Chicago.

English ivy R. C., from soil, \$1.00 100; \$8.00 1000. Jos. Bradbury, South Orange, N. J.

English ivy, 2½-in., \$3.00; 4-in., \$6.00 100. J. H. Bornhoeft, Tipton, Ind.

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Jasmines grand, or Star and revolutum, the yellow flowered, 30c. doz., \$2.00 100, \$18.00 1000. 25 at 100 rate; 250 at 1000 rate. Good & Reese Co., Springfield, O.

Jasminum revolutum, yellow, 2 and 2½-in., \$1.50 100, \$12.50 1000. Cash. C. A. Reeser Co., Urbana, O.

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Justicia or Flame flower, 2 sorts, fine plants, 30c. doz., \$2.00 100, \$20.00 1000. Good & Reese Co., Springfield, O.

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Lantanas, dwf. flowering, in best sorts, 40c. doz., \$2.00 100. 25 at 100 rate; 250 at 1000 rate. Good & Reese Co., Springfield, O.

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Lemon ponderosa, has ponderous fruit. Any one can bloom and fruit it. Blooms in large clusters, the individual flowers as large as tuberoses; 2½-in. pots, 50c doz., \$3.00 100, \$25.00 1000. Lemon ponderosa, 2½ feet high, \$1.50 doz., \$10.00 100; 3 to 4 ft. 50c each, \$4.00 100. 25 at 100 rate; 250 at 1000 rate. Good & Reese Co., Springfield, O.

Ponderosa lemon, 2 and 2½-in., \$2.50 100; \$25.00 1000. Cash. C. A. Reeser Co., Urbana, O.

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Lily of the valley, cold-storage, finest in the market, \$14.00 1000; \$1.50 100. Cut valley always on hand. H. N. Bruns, 1409 W. Madison St., Chicago.

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Lobelia compacta, 2½-in., \$2.00 100. R. Vincent, Jr. & Son, White Marsh, Md.

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Moonvines, blue and white flowering. Now is the time to buy. We have 50,000 plants to offer; 30c. doz., \$2.00 100, \$15.00 1000. 25 at 100 rate; 250 at 1000 rate. Good & Reese Co., Springfield, O.

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Orchids. Largest stock of commercial plants in America. Julius Boehra, Rutherford, N. J.

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From top of pot.....	High. Leaves. Per 100.	
12-in.	4 to 6	\$25.00
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Plants are very fine, home-grown. Cash with order, please.

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Areca lutescens, cool grown, bushy plants, 6-in., 75c each, \$9.00 doz.; 8-in., extra heavy, \$1.00 each, \$12.00 doz.; 8-in., \$2.00 each, \$24.00 doz.; 8-in., extra heavy, \$2.50 each, \$30.00 doz. JOSEPH HEACOCK, Wyncote, Pa.

Kentia Belmoreana, 4 yrs. old, 30 to 36 inches high, 5½-in. pots, 75c to \$1.00 each; 25 to 30 inches high, 5½-in. pots, 75c each.

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Kentias, fine stock in all sizes; see display advertisement for prices. BOBBINK & ATKINS, Rutherford, N. J.

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Palms and decorative plants. Send for price list. Chas. D. Ball, Holmesburg, Phila., Pa.

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Dreer's single petunias, 3-in., \$3.00 100.

Crabb & Hunter, Grand Rapids, Mich.

Dbl.-fringed petunias, 2-in., \$2.00 100.

E. L. Rawlings, Quakertown, Pa.

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Plumbago capensis, blue, 2-in., \$2.00 100. Bienville Nursery, 4416 Bienville Ave., New Orleans, La.

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POINSETTIA STOCK. Strong plants from bench, \$3.00 100 from pots, \$4.00 100. AUGUST JURGENS, 134-144 Herndon St., Chicago.

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Oriental poppies, 2½-in. pots, strong; 25 for \$1.75; 50 for \$3.00; 100 for \$4.00. Michel Plant and Bulb Co., St. Louis, Mo.

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Primula obconica, alba and rosea, Forbesi, \$2.00 100. Chinese primroses, 2-in. pots, July, \$2.00 100. Jos. H. Cunningham, Delaware, Ohio.

Primula obconica, large-flowered, choice plants from 4-in., full of bloom, \$1.50 doz. A bargain. N. O. Caswell, Delavan, Ill.

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California Privet. Trenched in ready to shift. Now is a good time to plant them. 2-year, 2 to 3 feet, cut back, \$23.00 per 1000; 1½ to 2 feet, not cut back, \$19.00 per 1000. Packing Free. Cash with order. Atlantic Coast Nurseries, Office 606 4th Ave., Asbury Park, N. J.

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Resurrection plants, well-shaped. Apply for price. WILLIAM TELL, Austin, Texas.

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Sunrise, 2½-in.	100.	1000
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Meteor, 3½-in.	2.50	20.00
Perle, 3-in.	4.50	37.50
Liberty, 3-in., fine stock	5.00	45.00
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Ivory, 3-in.	4.00	35.00
Ivory, 3-in.	5.00	45.00

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All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded. Cannot accept orders for less than 50 of a variety. P. REINBERG, 51 Wabash Ave., Chicago.

Roses, from 2½-in. pots, \$2.00 100; \$15.00 1000. Mosella, Hermosa, Burbank, Cal., climbing Sonpert, Ivory, Bride, Bridesmaid, Mme. Jos. Schwartz, La France, Mme. F. Kruger, Rainbow, Safrano, Mme. C. Kuster, Jersey Beauty, Manda's Triumph, Gardenia, Universal Favorite, Mrs. Lovett, Greville or Seven Sisters, Henry Martin and pink moss. 25 at 100 rate; 250 at 1000 rate.

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Grafted roses, fine bushy plants, 3½ and 4-in. pots.

Liberties	100.	Brides	100.
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Send for catalogue.

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Rose plants ready to plant or shift.

Beauties, 2 and 2½-in.	100.	1000.
3-in.	\$5.00	\$45.00
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Brides, 2½-in.	6.00	55.00
	3.50	30.00

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Rose plants, 2½-in., in fine condition, cheap to clean out. GOLDEN GATE, \$2.50 100; \$20.00 1000. AMERICAN BEAUTIES, \$4.00 100; \$35.00 1000. AMERICAN BEAUTY, bench plants cut to 12 inches, \$5.00 100; \$40.00 1000. JOHN MUNO, 51 Wabash Ave., Chicago.

Brides, Bridesmaids, G. Gates, 2½-in., \$3.00 100, \$25.00 1000; 3-in., \$5.00 100, \$50.00 1000. Perles, Ivory, Meteors, 2½-in., \$3.50 100, \$30.00 1000; 3-in., \$5.00 100, \$50.00 1000. Kaiserins, 3-in., \$6.00 100.

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Surplus stock in prime condition. Oliver Ames, Cusin, Morgan, Perle, Meteor, Bridesmaid, Bon Silene, Isabella Sprunt, Safrano. Write for prices. John Breitmeyer's Sons, Detroit and Mt. Clemens, Mich.

5000 Brides and 5000 Bridesmaids, 4-in., \$40.00 1000. 2000 Brides and 2000 Bridesmaids, 3-in., \$30.00 1000. 500 Kaiserins, 3-in., \$30.00 1000. All good, strong stock. Cash with order.

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SURPLUS ROSES. Grown for our own planting and guaranteed strictly A No. 1 in every particular—Beauties, Ivory, Gates, Maids, Brides, Kaiserins. Write for prices. G. VAN BOCHOVE & BRO., Kalamazoo, Mich.

American Beauty, 1000 3-in., fine, clean stock; \$7.00 per 100. Perles, 3-in., \$7.00; 4-in., \$12.00. Meteors, 4-in., \$10.00 per 100. All A No. 1 stock. Pittsburg Rose & Carnation Co., Valencia, Pa.

American Beauties, 2½-in., \$3.00 per 100. American Beauties, 3½-in., \$10.00 per 100. Well branched and clear of black spot. Cash with order.

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2000 Perle, 2000 Kaiserin, 2000 La France, 2000 Pink and White Cochet, 1500 Hermosa, 3-in. pots, \$4.00 100; 5000 Souper, 2½-in. pots, \$3.00 100.

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3000 Golden Gates, 3-in., \$3.00 100. 3000 Brides, 3-in., \$4.00 100. 3000 Maids, 3-in., \$4.00 100. FRANK GARLAND, 51 Wabash Ave., Chicago.

Roses out of 2½-in. pots; thrifty plants of Brides and Bridesmaids, \$3.50 100; \$30.00 1000. Golden Gates, \$2.50 100; \$20.00 1000. WM. B. SANDS, Lake Roland, Baltimore, Md.

Fine Beauties, from benches, \$8.00 per 100; \$75.00 per 1000. Fine Liberties, grafted, 2 years old, from benches, \$15.00 per 100.

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Liberty roses, 400 2-yr.-old, from bench; excellent stock. On account of going into palms exclusively, \$100.00 for the lot.

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Fine American Beauty plants, from bench, \$8.00 per 100; \$75.00 per 1000. Golden Gate, 2-in. pots, \$20.00 per 1000.

J. Henry Bartram, Box 5, Lansdowne, Pa.

Brides and Bridesmaids, fine clean stock, sure to please, 3½-in., \$6.00 100, \$50.00 1000; 2½-in., \$3.00 100, \$25.00 1000.

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Sunrise, a healthy, free-blooming rose of beautiful saffron color. Every florist should plant it. Price, 3-in., \$9.00 100.

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Rose plants to clear out. 2-in. strong, clean stock. AMERICAN BEAUTIES, \$40.00 1000. IVORY, \$20.00 1000.

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Meteor rose plants, 3½-in., \$4.50 100; \$37.50 1000; guaranteed extra choice. Cash with order unless known. BRANT & NOE, Forest Glen, Ill.

Hardy and other roses, 4 or 5-in., 9c; fine clean plants on own roots. Packing free for cash. W. H. SALTER, Rochester, N. Y.

2000 Brides, 2½-in., \$3.00 per 100. Fine stock left from the reserve for our own planting. The Floral Exchange, Edgely, Pa.

American Beauties, Brides, Maids, Perles, G. Gates and Ivory, 3-in. pots, \$6.00 100. L. J. Stapp, St. Joseph, Mo.

Roses for forcing. An exceptionally fine lot of plants. For varieties and prices write Poehlmann Bros. Co., Morton Grove, Ill.

Roses, 2½-in. Brides and Maids, ready for benching, \$2.50 100; \$22.50 1000.

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We grow over 100,000 roses annually for the trade. All the varieties. Write.

Geo. A. Kuhl, Pekin, Ill.

BRIDE and MAID roses, 2½-in. pots, \$4.00 per 100; \$35.00 per 1000.

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5000 American Beauties, very choice young plants, 2½-in., \$4.00 100. Bassett & Washburn, 76 Wabash Ave., Chicago.

Meteor, Perle and Gate roses, good plants, \$5.00. Levant Cole, Battle Creek, Mich.

Roses, strong plants. Perles, 3-in., 4c; Meteors, 3½-in., 5c. Gesler & Drury, Galesburg, Ill.

Bride and Maid roses, 2-yr.-old, cut back, \$2.00 100. John Brod, Niles Center, Ill.

American Beauties from 3-inch pots, \$7.00 100.

B. Eldredge, Belvidere, Ill.

300 surplus BEAUTIES, 3-in., \$6.00 per 100. E. C. KECK, Washington, Iowa.

2000 Brides, 2½-in. rose pots, \$3.50 100. W. J. & M. S. Vesey, Fort Wayne, Ind.

Manetti stocks for fall delivery. HIRAM T. JONES, Elizabeth, N. J.

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Can not take orders for RUBBERS except for late June delivery. Variegated rubbers not until late in July.

Do not send money with order; will notify when ready. A. C. OELSCHIG, Savannah, Ga.

Ficus elastica, imported, 4-in., 25c each. Godfrey Aschmann, 1012 Ontario St., Philadelphia.

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Salvia splendens in 2½-in. pots, fine stock, from 8 to 10 inches high, \$2.00 100.

P. J. Agnew, Johnson Ave., Springfield, O.

Salvia splendens, The President and Cheaton, 2½-in., \$2.50 100. Cash. C. P. Dieterich & Bro., Maysville, Ky.

Salvia Bonfire, from thumb pots, strong, \$1.50 100. Cash. The Kaber Co., La Porte, Ind.

Salvia Silver Spot, fine, 2½-in., \$3.00 100. Geo. M. Brinkerhoff, Springfield, Ill.

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Sansevieria zeylanica, 3-in., ready for 5-in., 75c per doz. A. J. Baldwin, Newark, O.

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Sedum variegata, 2½-in., \$2.00 100. B. Vincent, Jr. & Son, White Marsh, Md.

SEEDS.

Asparagus plumosus nanus, fresh, 85c 100; \$7.50 1000. Asparagus Sprengeri, fresh crop, 20c 100; \$1.00 1000. A. decumbens, finest novelty, \$1.00 100; \$7.50 1000. Phoenix canariensis (true), 30c 100; \$2.50 1000. P. reclinata (true), 40c 100; \$3.00 1000. P. rupicola (true), 75c 100; \$7.00 1000.

Primula sinensis fimbriata, in pure white, blood red, crimson, rose, white with yellow eye, blue, 25c 100; \$1.75 1000. All colors primulas mixed, 20c 100; \$1.50 1000. Cineraria hybrida grand. max. and dwf. pkt., 25c; 5 pkts., \$1.00. H. H. BERGER & CO., 47 Barclay St., N. Y.

XXX SEEDS. Chinese primroses, large-flowering, fringed, single and double; 15 varieties, mixed, 500 seeds, \$1.00; half pkt., 50c. Cinerarias, large-flowering, dwarf, mixed, 1000 seeds, 50c. Primula obconica grand., large-flowering, 1000 seeds, 50c. Daisy, double giant, white and rose, mixed, 1000 seeds, 25c. Giant pansy seed, large-flowering, critically selected, 5000 \$1.00; half pkt., 50c. Cash. A pkt. of the new ever-blooming forget-me-not, Constance, added to every order.

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Germinated palm seeds, free by mail. Kentia Belmoreana and Forsteriana, \$2.75 100; \$25.00 1000; mixed, \$2.50 100; \$22.00 1000. Kentia Canterburyana, \$7.00 100; \$60.00 1000. Cocos Weddelliana, \$1.00 100; \$9.00 1000. Chamaecops excelsa, 1 leaf, \$1.00 100; \$8.50 1000. Washingtonia filifera and robusta, 3 leaves, 2½-in. pots, \$3.00 100; \$25.00 1000.

LE JEUNE & VERHELLE, Santa Barbara, Cal.

PANSY SEED. J. & S. Kingly collection, 30c 1000; 50c 2000; \$1.00 5000; \$5.00 oz. CINERARIA and CALCEOLARIA seed, giant flowering, mixed, pkt. 500 seeds, 25c; ½ trade pkt., 60c; trade pkt., \$1.00.

CHINESE PRIMROSE, fringed, mixed, 25c 100; \$1.00 500; \$1.50 1000.

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Zirngiebel's giant pansies, Market and Fancy strains, are the finest grade this season that we ever sent out, when large size and colors are wanted.

New crop seed ready now. Trade pkt., of either strain, \$1.00 each.

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Long Island grown cabbage seed. Ask for prices for 1903 crop; also on surplus stock 1902 crop.

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Asparagus plumosus nanus seed, \$1.00 100; \$7.50 1000. Pedigreed strain of Primula sinensis, double and single, mixed; Primula obconica grand., Cyclamen persicum grand., \$1.00 per trade pkt. Cash.

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Palm seeds, just arrived from Australia: Areca Baueri, 25c 100; \$2.00 1000 seeds. Kentia Belmoreana and Forsteriana, 35c 100; \$2.50 1000 seeds. Pritchardia Seamanii, \$4.50 100 seeds. Erythea edulis, 75c 100; \$8.00 1000 seeds.

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Primula seeds, Chinese fringed and obconica grandiflora, best named sorts and separate colors, 50c per trade packet.

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Smilax, 2½-in., extra strong, cut back, \$2.00 100; 2-in., fine, \$1.50 100.
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Smilax, 2-in. pots, \$1.00 100. Cash.
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Smilax, 2-in., \$2.00 per 100. Cash.
Bannister Bros., Syracuse, N. Y.

Smilax, strong 2½-in., \$1.50 per 100.
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Smilax, 2-in., \$1.50 per 100.
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Spiraea Anthony Waterer, 2½-in. pots, 50c doz., \$3.00 100, \$25.00 1000. S. caryopteris, hardy blue, 50c doz., \$3.00 100, \$25.00 1000. 25 at 100 rate; 250 at 1000 rate.
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Ten-week stocks, 3-in., strong plants, in bud, assorted, \$3.00 per 100; \$25.00 per 1000. Cash with order. S. Muir, 3530 Michigan Ave., Chicago.

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Sweet Williams, dark red, \$2.00 100.
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Sweet potato plants, clean and healthy. Big stem Jersey, \$1.50 1000; Cedarville and Yellow Nansemond, \$1.25 1000; Early Red and Red Nansemond, \$2.25 1000. For larger quantities and other varieties send for price list.
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Extra strong peppers, from flats, 25c doz., 75c 100. Largely Sweet Mountain and Ruby King. All packed to carry safely by express.

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Strong field-grown cabbage plants, \$1.00 1000. Red Jersey, Nansemond and Red Bermuda sweet potato plants, \$2.00 1000.

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Henderson's mammoth verbenas, 3-in., 3c ea., \$25.00 1000.

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15,000 Vinca var., good, strong plants, from cold frame; 2-in., \$1.25 100; \$10.00 1000. 500 at 1000 rate. Cash with order.

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Vinca major variegata, 2-in., fine, \$2.00 100.
A. J. Baldwin, Newark, O.

Vincas, extra strong, long vines, \$8.00 1000.
Crabb & Hunter, Grand Rapids, Mich.

Vinca major, 3-in., 3c ea., \$25.00 1000.
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Vinca major, 6-in., \$3.00 doz.
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Geo. T. Schuneman, Baldwins, L. I., N. Y.

Violets. Princess of Wales, California, hardy Russian, 2½-in. pots, 40c doz., \$2.00 100, \$18.00 1000. Hardy English Dbl. Flowering, 40c doz., \$2.50 100, \$20.00 1000. 25 at 100 rate; 250 at 1000 rate.

GOOD & REESE CO., Springfield, O.

Having decided to turn our entire establishment into Beauties, we offer 5000 2-in. Lady Campbells, which we were growing for ourselves, at \$2.50 per 100, or \$22.50 per 1000. Speak quick. Grand Rapids Violet Co., Grand Rapids, Mich.

Marie Louise violets. Strong plants, February and March struck, healthy and free from disease, \$15.00 per 1000. Cash with order. Your money cheerfully refunded if not satisfactory.

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New violet, "Southern Beauty," large as a pansy; white, variegated with blue, \$2.00 100; \$15.00 1000. California. Princess of Wales and Russian, \$1.50 100; \$10.00 1000.
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I have the largest and healthiest stock of PRINCESS OF WALES violets in the country. Am booking orders now for strong young plants, at \$2.00 per 100; \$15.00 per 1000.
Wm. Sim, Cliftondale, Mass.

Violet clumps, Marie Louise, Lady H. Campbell, \$4.00 100. From cold frame, Campbell, 3-in. pots, \$4.00 100. Will take begonias in exchange.
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Campbell violets, 2½-in., \$2.50 100; nice thrifty plants. Rooted runners from soil, \$1.00 100.

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Crabb & Hunter, Grand Rapids, Mich.

Violets, rooted runners from soil, \$1.00 100. Converse Greenhouses, Webster, Mass.

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GOOD & REESE CO., Springfield, O.

500 geraniums, mixed, 2-in.....2c
100 rose geraniums, 2-in.....2c
300 lobelias, blue, 2-in.....2c
150 double sweet alyssum, 2-in.....2c
100 heliotropes, blue, 3-in.....3½c
500 verbenas, mixed, 2½-in.....2½c

Will sell for cash, or will exchange.
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Achyranthes, red; colons, red, yellow and mixed; lobelias, blue, 2 to 2½-in., \$1.50 100. 50 ricinus, 3½-in., 6c. 50 moonvines and Cobaea scandens 6c. 150 echeveria from flats, 1½c. 100 phlox, 3½-in., 5c. 50 fuchsias, 3½-in., in bud and bloom, 6c.
E. C. BOSS, Honesdale, Pa.

100 Clusius discolor, 2½-in., \$4.00 100.
300 Thunbergias, mixed, 2-in., \$2.00 100. Cash.

C. P. Dieterich & Bro., Maysville, Ky.

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Wanted—A few thousand Echeveria secunda glauca (hen and chickens).
L. Mosbaek, 8500 Anthony Ave., Chicago, Ill.

Wanted—To buy Boston ferns for spot cash.
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Our box sells on its merits.

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Fancy and dagger ferns, laurel festooning, ground pine, sphagnum moss, etc.

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New crop fancy and dagger ferns, laurel and bouquet green, etc.

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Florists' Specialties in Glass, Paint and Putty. Instructive advertising free for the asking. Write JOHN LUCAS & CO., Philadelphia, Pa.

Glass (new), 75 boxes 18x20 double strength A and 30 boxes 18x24 single strength A.

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Importers and jobbers of greenhouse glass.

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Greenhouse glass and putty a specialty.

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Bull-dog hose, 7 ply, guaranteed; 3/4-in., 10c ft.

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Use SULPHO-TOBACCO SOAP and have clean, healthy plants. Sample free cake if you mention The Florists' Review.

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Fresh tobacco stems, bales 200 to 500 lbs.,

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Rose Leaf Extract of Tobacco will save you money. For free booklet write KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Tobacco dust, fresh stock, \$1.75 100 lbs.; stems about 100-lb. bales, 1c per lb.

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NICOTICIDE kills all greenhouse pests.

Sold by all seedsmen.

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TWEMLOW'S OLD ENGLISH GLAZING PUTTY. An old article when goods were made for quality, not cheapness. It lasts a lifetime and is the best article today for all greenhouse glazing. Makes a firm, lasting bed for glass, unaffected by heat or cold. No leaky sash-bars when this is used.

1-gallon can (16 lbs.)..... \$1.25

5-gallon can 5.90

10-gallon can 12.00

20-gallon can 23.00

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HAMMOND'S GREENHOUSE WHITE PAINT and TWEMLOW'S OLD ENGLISH LIQUID GLAZING PUTTY. In use by some of the largest florists in the United States. Write us for prices.

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Standard Pots. We are now ready to supply a superior quality of pots in unlimited quantities. Catalogues and price lists furnished on application.

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Flower Pots. Before buying write us for prices. Geo. Keller & Son, 361-363 Herndon St. (near Wrightwood Ave.), Chicago.

Those RED pots. The right kind.

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Red pots. Write for prices and sample pot.

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Sphagnum moss of first quality. Can ship at a moment's notice—2 bales, \$1.50; 10-bale lots, \$6.00. Z. K. JEWETT & CO., Sparta, Wis.

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Wired toothpicks, 10,000, \$1.50; 50,000, \$6.25.

Sample free. For sale by dealers.

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Wired toothpicks, box of 10,000, \$1.50.

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Model Extension carnation supports and galvanized rose stakes. Parker-Bruen Mfg. Co., 208 Jersey St., Harrison, N. J.

Model Extension carnation supports; also galvanized rose stakes and tying wires.

Igné Bros., 226 North 9th St., Brooklyn, N. Y.

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Review

Classified Advs.

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We are manufacturers — no middleman's profits.

C. C. POLLWORTH CO., Milwaukee, Wis.

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Reed & Keller, 122 W. 25th St., New York. Manufacturers of Wire Designs.

E. H. Hunt, 76-78 Wabash Ave., Chicago.

FORCING TOMATOES.

Bulletin No. 81 of the University of Illinois Experiment Station, Urbana, Ill., is devoted to forcing tomatoes and contains much useful information on the subject. The results of a series of experiments are summarized as follows:

By checking the plants it is possible to secure fruit in fifty days from benching.

To secure fruit by Thanksgiving day the seed must be sown by July 20th and the plants benched not later than October 1st.

Pollen is not discharged during the cloudy weather and advantage must be taken of short periods of sunshine to pollinate by hand. Since the product is most valuable it will pay the grower to pollinate by hand regularly between December 1st and March 1st. The advantages are a larger number of fruits set, and larger, more uniform fruits.

A careful selection of varieties for the midwinter crop is requisite for the greatest success. Those varieties developed under forcing house conditions like Best of All and Lorillard give the best results.

Eclipse gave the largest yields both for the winter and spring crops of 1902. It is not quite so early as Best of All, but it produced the smoothest and most solid fruits.

The yield of Yellow Prince was decidedly inferior to that of the Combination grown under similar conditions.

Plants trained to single stems gave a much greater yield per square foot of bench than those trained to three stems, the yield of the former being one and one-fifth pounds against four-fifths of a pound for the latter.

The average yield for the season, 1901-'02, including both the winter and spring crop, was from two to nearly two and one-half pounds per square foot of bench, or from seven to almost nine pounds per stem.

TEMPERATURE.

One very important point in successful greenhouse work is temperature. In my opinion many failures are due to misuse of the all-important factor, heat. How very rare it is in this section to see a well grown cyclamen! In a walk through the markets nothing but poor, sickly specimens will be seen, due mainly to being kept too warm. And so it is with many other plants, primulas, cinerarias, etc. Cyclamen will develop beautifully in from 50 to 55 degrees, but this depends a good deal upon where the heating pipes are located. If the steam pipes are close to the bottom of the bench upon which the plants stand, obviously the roots must be in a considerably higher temperature than 55 degrees. Mrs. Lawson carnation develops finely here in a temperature of from 50 to 55 and grows nearly as large as exhibition blooms.

On a visit the other day to a grower near here I noticed a remarkable display of buds, but the blooms were small. It struck me at once that the plants were being forced, so I inquired as to temperature. We aim at 50 to 55 degrees, was the answer. For the moment I could not see where the cause of the difference could come in, but it occurred to me to look under the bench and there were the rows of steam pipes

PLEASE MENTION THE REVIEW WHEN WRITING ANY OF THESE ADVERTISERS.

within three or four inches of the bottom of the same. Our heating pipes are hot water and two feet below the bench. In fact, the fine Mrs. Lawson grow in a solid bed. This grower thought it paid better to force, claiming to get quantity. For my part, I like to see them fully developed. With such evidence before us it seems to me that the correct thing would be to put the thermometer in the soil and read the temperature from there. I am satisfied that such a proceeding would show a wonderful range of temperature in the different growers' houses. T. H. W.

ANTS IN RELATION TO PLANTS.

It is very commonly supposed that ants are injurious to cultivated plants. This belief appears to be due to the very general occurrence of ants on fruit trees and other plants, rendering it almost impossible to pluck a twig from some trees without being inconvenienced by the ants. It is true that ants are found in enormous numbers on some plants, and that they frequently make nests at the roots, but it has never yet been definitely proved that they do any direct damage to the plants. The ants usually visit the tree or plant for a particular purpose, some instances of which will be cited.

Ants have frequently been recorded as being closely associated with insects known as "green fly," or aphids (aphides), visiting them to obtain their sweet secretion, commonly known as "honey dew." Cases are on record where the ants undoubtedly cared for the green fly, and made use of them in a manner comparable to man's treatment of such domestic animals as the cow.

Other insects, and notably the scale insects and mealy bugs, also excrete a sweet liquid which ants appear to like. Some species of these pests have a characteristic mealy covering, to which they owe their popular names. This covering the ants carry away, often completely stripping the insects.

Plants infested with scale insects or mealy bugs frequently swarm with ants, which may be observed continually going from one insect to another in search of food. Sometimes the ants erect shelters over the scale insects, and sheltered in this way from enemies the mealy bugs live in safety, repaying the ants for their care by supplies of honey dew. This mutual arrangement between the ants and the mealy bugs may lead indirectly to injury to the plant. Ants also make galleries up the stems of plants, under cover of which they ascend and in which scale insects may sometimes be found.

In all these cases the ants themselves do not appear to harm the plants. Any injury is, in all likelihood, due to the scale insects, and the ants must be acquitted of direct damage. It must be noted, however, that indirectly harm may at times result from their fostering care of the really injurious creatures—the scale insects and mealy bugs. Similarly, when ants infest the roots of plants, they are, in the majority of cases, to be found in association with scale insects. There is some reason to believe that, as mentioned above, ants may protect the scale insects from enemies, and may perhaps even carry the eggs or young insects to suitable places on the plants, and thus aid in distributing the scale insects. In

cases, however, where ants have been prevented from visiting a plant infested with scale insects, there is no evidence to hand showing a consequent diminution in the numbers of the scale insects, and no good results have as yet been obtained by destroying the ants in preference to the scale insects. On the other hand, many cases of ants infesting plants are due solely to the presence of the scale insects or mealy bugs. The damage done by the latter is attributed to the former, but is easily remedied by destroying the scale insects or mealy bugs, and leaving the ants unmolested.

Many plants have what are known as extra-floral nectaries, which are nectar-excreting glands situated on other parts of the plant than the flowers. The castor-oil plant is an example of this kind. In this case the nectaries are little raised bodies, with a crater-like depression at the top, usually moist with the excreted sugary solution. These nectaries are visited abundantly by ants, which drink the sweet liquid. A plant which attracts a large number of ants to itself may find them of direct value, for they often appear to do good service in warding off caterpillars and other unwelcome visitors. It must not be supposed that it is necessarily a special, or, as some might urge, an intelligent adaptation on the part of the plant to entice the ants to itself. The nectaries play their own part in the life-history of the plant, and the ants merely take an advantage of them, with sometimes beneficial results to the plant.

On the whole, then, it would appear that the ants so commonly to be found on plants should not be looked upon in the first instance, at all events, as actual pests. They often indicate that a real pest, such as green fly, scale insects, or

mealy bug, is present. At times they may increase to some degree the damage done by this pest. On the other hand, they may be visiting the plant on account of other inducements, and their presence may even be of direct service in warding off the attacks of harmful creatures.

For the destruction of ants, the fumes of burning sulphur driven into the nests, or a small quantity of cotton wool soaked with bisulphide of carbon appear to be convenient and effective remedies.

J. J. Willis, in Gardeners' Magazine.

NEWTON, MASS.—Henry Mansfield, the oldest florist here, who retired a couple of years ago, is in California to regain his health.

THE AMERICAN CARNATION

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FULLY ILLUSTRATED.

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NURSERY NEWS.

AMERICAN ASSOCIATION OF NURSERYMEN.

Pres., N. W. Hale, Knoxville, Tenn.; Vice-Pres., F. A. Weber, St. Louis; Sec'y, Geo. C. Seager, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-eighth annual convention will be held at Atlanta, Ga., June, 1904.

THERE is a shortage of help on the nurseries in central Illinois.

AFTER having met in convention cities three times in the past ten years, the nurserymen turned their backs on St. Louis for 1904.

DURING the nurserymen's convention at Detroit peonies to the value of from \$4,000 to \$5,000 changed hands. It was a business meeting of business men.

THE program is out for the seventh annual meeting of the American Park and Outdoor Art Association, to be held at Buffalo, July 7 to 9. A feature of the convention will be a trip to Niagara Falls, where an excellent entertainment has been planned. Chas. M. Robinson, Rochester, is secretary.

PEONY SOCIETY.

The American Peony Society was fully organized at Detroit, June 11, by the election of the following officers:

President, C. W. Ward, Queens, N. Y.; vice-president, Guy A. Bryant, Princeton, Ill.; secretary, A. H. Fewkes, Newton Highlands, Mass.; treasurer, J. H. Humphreys, Philadelphia, Pa.

It was voted to incorporate under the laws of New York, to make the life membership, \$50, to hold an annual meeting in peony time and to divide the United States into six districts, each to be represented by a vice-president.

Committees were appointed as follows: Executive committee, the officers and C. S. Harrison, York, Neb.; E. A. Reeves, Cleveland, Ohio, and William A. Peterson, Chicago. Nomenclature committee, William A. Peterson, C. J. Malloy, Rochester, N. Y.; John A. Charlton, Rochester, N. Y.; J. F. Rosenfield, West Point, Neb.; A. H. Fewkes. Exhibition committee, Guy A. Bryant, E. A. Reeves, James Wheeler, Brookline, Mass. Press committee, C. Betscher, Canal Dover, Ohio; C. S. Harrison, J. H. Humphreys.

NURSERYMEN'S CONVENTION.

The twenty-eighth annual meeting of the American Association of Nurserymen, at Detroit, June 10 and 11, was one of the best in history. Nearly 300 were present and there was a lively interest in the program, while the usual amount of business was transacted between the members. President Ilgenfritz warned against over-production and brought up the matter of mutual insurance. A committee was appointed to prepare a plan and report next year. Prof. Bailey made his annual address and H. W. Collingwood held up the nurseryman so that he might see himself as some others see him. J. H. Hale discussed the relation of the nurseryman to his customers and Frank B. White presented one of the best of themes, advertising. F. W. Taylor told what the St. Louis World's Fair will do for nurserymen, Wm. Pitkin discussed insurance and E. W. Kirkpatrick told of nursery affairs in Texas. W. C. Barry was down for a paper on the importance of ornamental stock.

Prof. J. B. Smith for a talk on spraying and fumigating and Geo. A. Sweet for a discussion of the cost of a tree. The reports of committees were of the usual order. The treasury was found to contain \$2,528, the receipts for the year being \$1,495.

The election of officers resulted as follows: President, N. W. Hale; vice-president, F. A. Weber, St. Louis; secretary, Geo. C. Seager, Rochester; treasurer, C. L. Yates, Rochester. Atlanta, Ga., was selected as the next meeting place. On Wednesday afternoon the party visited the estate of Joseph H. Berry, at Grosse Pointe Farms, and on Thursday went to Belle Isle Park.

During the convention the Nurserymen's Mutual Protective Association and the American Nurserymen's Protective Association met, listened to reports and re-elected officers, as has been their custom for years. RAG.

PACIFIC COAST NURSERYMEN.

The second annual session of the Pacific Coast Association of Nurserymen was held at Portland, Ore., June 5. Among those present were: S. A. and George Miller, Milton, Ore.; A. Eckert & Son, Detroit, Wash.; C. F. Lansing, M. McDonald, A. M. Gill and F. W. Powers, of Salem; Albert Brownell, Albany; F. W. Settlemier, Woodlawn; J. B. Filkington, Portland; James Skinner, St. John; T. V. Sherman, Mount Tabor; F. C. Walker and H. A. Lewis, Russellville; A. Holiday, Scappoose; C. A. Tonneson, Tacoma; Louis and Marx Remlinger, Vancouver; J. A. Stewart, Christopher, Wash.; H. Freeborough, Montaville; R. A. Lamberson and George Lamberson, Portland; Hon. E. L. Smith, Hood River; A. Van Holderbeke, Tacoma, and Professor Rodgers, College Place, Wash.

The following officers were elected: S. A. Miller, Milton, president; C. A. Tonneson, Tacoma, secretary-treasurer, and a vice-president for each state. The next meeting, in June, 1904, is to be held at Hood River. The American Association of Nurserymen was invited to hold its 1905 convention at Portland during the Lewis and Clark Exposition.

MOLES AND MICE.

I am moved to reply to the note headed "Moles and Mice" in the last issue of the REVIEW, although to attempt to answer a question practically "given up" by W. S. is perhaps presumptuous, particularly on the part of one of the sex for the professional or business abilities of which he often betrays a wholesome (?) contempt.

I have never had any experience with the ground mice mentioned, but have had altogether too much with the moles. Having a large yard which we are very proud of, we were in despair for a couple of years when the moles so undermined it that it was almost impossible to mow it with a lawn mower. Somewhere we saw ricinus seed suggested as a remedy for the torments. Like the butter on the sick baby's elbow, we thought it "could do no harm" and tried it. Since then, some three or four years, we are careful to keep a half pound or so of the castor oil beans on hand and whenever one of the unsightly mounds appears we simply plant some of the beans by thrusting them down into the runway at several points, and in a short time the loosened earth settles back and we know the unwelcome invader has dug his own grave. Not infrequently we find the carcass above ground.

I know nothing of what effect the ricinus would have on the mice but it might be a good plan to leave some around handy for them. Hoping to escape being withered by W. S. for an "old maid's notion," I am respectfully,

F. E. C.

WATERVIET, N. Y.—John A. Dagen has recently started in business here.

FENTON, MICH.—Geo. Bridson is doing a nice business and will improve his plant this summer.

FOND DU LAC, WIS.—E. Haentze has given the contract for heating his new greenhouses, now being erected, to Riemer & Radmer, of Milwaukee. Two large Furman boilers will be used.

...PEONIES...

WE HAVE BEEN GROWING PEONIES EXTENSIVELY FOR MANY YEARS AND HAVE PROBABLY THE LARGEST LIST OF TESTED VARIETIES TO BE FOUND IN THE UNITED STATES. ALL THE BEST CUT FLOWER SORTS. **ALL STOCK TRUE TO NAME.** IF YOU WILL PLANT PEONIES THIS FALL, WRITE TO-DAY FOR OUR NEW

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1903 Florists' Peonies 1903

Sept. 1 to 15 delivery. We offer the following list of Peonies which have been grown by us for several years for cut flower purposes. The stock has been carefully grown, bloomed the third year and rouged while in bloom. All are good bloomers and shippers and all varieties have been culled out and destroyed that do not flower freely. Prices include packing and a discount of 5 per cent. will be given on all orders where cash is received with the order. The wet Fall and Spring have been very favorable for the growth of peony roots and our stock will be found in excellent condition.

Officinalis Section.

These are the earliest to bloom of all the peonies and for this reason are very desirable, as they furnish cut flowers a week before the Chinensis Section are in bloom.

No. 5. Officinalis Rosea Superba. Brilliant salmon pink tinged rose, 5 to 6-inch bloom; a pure, clear, true shade of pink without any magenta; the most pleasing of the officinalis section; the first good, early, clear pink peony. 300 plants, 3 to 5 eyes, at \$25.00 per 100.

No. 208. Officinalis Rubra. The old-fashioned deep crimson peony of Colonial days. 1000 strong plants, 6 to 8 eyes, at \$10.00 per 100.

No. 212. Officinalis Rosea. The old-fashioned deep pink variety of our grandmothers' gardens. 600 strong clumps, 6 to 8 eyes, at \$10.00 per 100.

No. 198. Officinalis Mutabilis Alba. Opens rosey flesh, fading to blush white; very double 5-inch bloom; the earliest white peony. 500 good plants, 3 to 5 eyes, \$20.00 per 100.

Chinensis Section.

This is the most useful of the different sections. The flowers are larger than the Officinalis and are borne upon longer, stronger stems and are richly fragrant. The blooms are especially valuable for cut flower purposes and are consumed in enormous quantities in the cut flower markets of Philadelphia, New York, Boston, Buffalo, Chicago and other large cities. The sorts we offer have been thoroughly tested for a number of years and the blooms sold upon the New York, Philadelphia, Buffalo and other markets where they are in steady demand.

Early White Varieties.

No. 4. Queen Victoria. Guards light rose, center creamy white, with a few petals edged or tipped with light pink, flower finishing white. Good grower, 24-inch stem. 5 to 5½-inch bloom, very free, fragrant ships well and is a good keeper, a standard double white peony for all purposes. 500 strong plants, 4 to 5 eyes, at \$25.00 per 100.

No. 200. Achillea. Guards delicate rose, center delicate rosey flesh fading to creamy white; vigorous, erect grower; strong stem, 30 to 36 inches long; bloom 6 inches in diameter; a chaste, beautiful variety; good keeper and shipper. 500 plants, 3 to 4 eyes, at \$20.00 per 100.

No. 270. Marie Lemoine. (Early variety.) Guards delicate rose with center of blush white, flower finishes a tender bluish white; strong 30 to 34-inch stem; erect, vigorous habit; 5-inch bloom; delicate, pleasing fragrance; good keeper; abundant bloomer. 300 fine roots, 3 to 5 eyes, \$20.00 per 100.

Early Pink Varieties.

No. 201. Grandiflorum Roseum. (Sometimes known as L L L Pink.) Bright rose with silvery reflex, general effect clear, bright silvery rose; vigorous grower; 28-inch stem; 5-inch bloom; strong, rich fragrance; exceptionally free bloomer; good keeper and shipper. 600 strong plants, 6 to 8 eyes, \$20.00 per 100.

Early Red Varieties.

No. 71. Rubra Triumphans. Entire bloom a most brilliant shade of crimson throughout; vigorous, erect grower; stem 30 to 36 inches long; bloom 5 to 6 inches in diameter; the best very early dark red peony. 200 strong plants, 4 to 8 eyes, at \$15.00 per 100.

No. 271. Rosea Grandiflora. Guards deep red-dish rose, center light rose tipped with light pink; strong, erect grower; 30-inch stem; 6 to 7-inch bloom; delicate fragrance; extra free bloomer; a distinct, striking variety; ships and keeps well. 100 strong plants, 3 to 5 eyes, \$20.00 per 100.

Mid-Season White Varieties.

No. 9. Pulcherrima. (Early mid-season.) Guards white, veined rose pink, center very full, creamy white; strong, erect grower; 2½ to 24-inch stem; 5 to 5½-inch bloom; very fragrant, free bloomer; ships and keeps well; a first-class white for all purposes. 500 plants, 4 to 8 eyes, at \$20.00 per 100.

No. 203. (Sometimes sold as Humea Alba.) (Early mid-season.) Guard delicate silvery pink, center creamy yellow fading to ivory white; vigorous grower; 30 to 36-inch stem; 6 to 6½-inch bloom; rich, delicate fragrance; very free bloomer; ships and keeps well; one of the best of its class. 200 one year plants, 3 to 5 eyes, at \$30.00 per 100.

Mid-Season Pink Varieties.

No. 1. Lohengrin. Guards deep rose, center light rose with a few crimson tipped petals; vigorous grower; 18 to 24-inch stem; 5 to 6-inch bloom; delicate, rich fragrance; free bloomer; good keeper and shipper. 200 plants, 4 to 6 eyes, at \$15.00 per 100.

No. 49. Rosea Elegans. Guards light rosy pink edged white, center bright rose tipped white, surrounded with creamy white collar; strong, erect grower; 30 to 36-inch stiff stem; 5 to 6-inch high-built bloom; free bloomer; delicate, rose fragrance; good keeper and shipper. 50 plants, 4 to 6 eyes, at \$25.00 per 100.

No. 206. Baron Rothschild. Guards deep rose with reddish tinge, center lighter rose shaded with rosy cream; vigorous grower; 26 to 30-inch stem; 5-inch bloom; exceptionally free bloomer. 500 very strong plants, 8 to 10 stalks, at \$6.00 per 100.

No. 2. Edulis Superba. (Syn. Pink Beauty.) Guards bright rose, center silvery rose; good grower; 20 to 24-inch stem; 5 to 6-inch bloom; free bloomer; delicate fragrance; good keeper and ships well. 500 plants, 8 to 10 eyes, at \$8.00 per 100.

No. 3. Queen Emma. Guard petals light rose pink, center opens creamy white, fading to blush white, with a tuft of flesh pink petals in center; flower 5 inches in diameter; strong, 24-inch stem; good grower; free bloomer; keeps and ships well. 300 strong plants, 3 to 5 eyes, at \$10.00 per 100.

Late Pink Variety.

No. 11. Humei. (Syns. Humei Rosea, Edulis and Thorbeckii.) Entire bloom pure, bright, deep rose; very vigorous grower; 24 to 28-inch stem; 6 to 7 inches deep; full, heavy bloom; strong, rich, cinnamon fragrance; one of the finest colored of the very late peonies. 1000 strong plants, 4 to 8 eyes, at \$8.00 per 100.

Late Red Variety.

No. 259. Grandiflora Rubra. Entire flower deep blood red, forming a huge globe 7 to 8 inches in diameter; strong, vigorous grower; stands handling; ships and keeps well; 30 to 34-inch stem; one of the latest as well as one of the largest. 200 strong roots, 4 to 5 eyes, at \$20.00 per 100.

To get the best results Peonies should be planted as early in September as possible.

Orders accepted strictly in rotation. 5 per cent. discount for cash with order.

The Cottage Gardens,

C. W. WARD, Manager. QUEENS, L. I.

A BUSINESS OFFER!

YOU can earn good high interest on your money by filling empty spaces in your houses now with well-grown palms in medium and large sizes. They will grow rapidly through the summer and sell well in the fall. Areca Lutescens, cool-grown, bushy plants, 6-inch pots, 75c each; \$9.00 a doz. 6-inch pots, extra heavy, \$1.00 each; \$12.00 a doz. 8-inch pots, \$2.00 each; \$24.00 a doz. 8-inch pots, extra heavy, \$2.50 each; \$30.00 a doz.

ALSO A GENERAL STOCK OF ARECA AND KENTIAS, ALL SIZES, FOR GROWING ON.

JOSEPH HEACOCK, Wyncote, Pa.

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INDIANAPOLIS, IND.

The various florist establishments are taking on their usual mid-summer appearance. Benches that were filled to overflowing a month ago are empty and ready for another start for a fall crop of some kind. Many will be planted to mums. We are to have a show this fall and it is for this that these early plantings are made. We have some crack mum growers in our city and some grand blooms should be seen this fall. The rose growers are in the midst of replanting and some of the carnation growers are preparing to replant early this summer. Qualities in roses and carnations are poor with but few exceptions, mostly Crocker and F. Hill. Peonies are gone and like the chrysanthemums we are glad to see the first ones and are just as glad to see the last ones. They sold well. There are good supplies of hardy flowers from the fields, except in white. Funeral work stuff is really scarce just now and will be so until asters come in.

Last week was graduation week at the high school and on account of the class having chosen the daisy as their flower there was a great demand for anything that looked like a daisy. One party sold 10,000 daisies and another firm sold 6,000 coreopsis.

There have been many weddings that required decorations of average quality, but the decorations that Wiegand put up for the Russell-Lilly wedding was one of the finest things that the writer has ever had the pleasure to see. In the church they used their large specimen palms to excellent advantage and these, with large quantities of cut roses, made a great show.

At the house they used a lot of fancy-leaved caladiums and when the lights were turned on these made a rich mass of color that was simply grand. There ought to be a great future for these fancy-leaved caladiums for high-class decorating. Only roses were used in the way of cut flowers, but there were thousands of these and the way they were arranged showed a high degree of artistic skill.

The Bertermann place, on East Washington street, was struck by lightning June 7 and a great deal of glass broken.

A. B.

BRAMPTON, ONT.—Lady Minto, wife of the governor-general of Canada, paid a visit to the greenhouses of the Dale Estate last week.

To Clean Out.

GOLDEN GATE, 2½-in.....\$2.50 per 100; \$20.00 per 1000
AMERICAN BEAUTY, 2½-in... 4.00 per 100; 35.00 per 1000

These plants are all in fine condition.

Am. Beauty Bench plants cut down to 12 inches,
 \$5.00 per 100; \$40.00 per 1000

JOHN MUNO,

51 Wabash Ave., CHICAGO, ILL.
 GREENHOUSES: ROGERS PARK.

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5000 AMERICAN BEAUTIES!

Very choice young plants in 2½-inch pots, \$4.00 per 100.

FINE LARGE BUSHY SMILAX PLANTS!

2-inch pots, \$1.50 per 100. All grafted roses sold out.

ALL PLANTS SHIPPED FROM HINSDALE, ILL.

Bassett & Washburn, 76 Wabash Ave., Chicago.

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...ROSE PLANTS...

Good Stock.

BRIDESMAID.....
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 ¼-inch, \$3 per 100; \$25 per 1000.
 3-inch, \$4 per 100; \$35 per 1000.
 AMERICAN BEAUTIES, 2½-inch, \$6 per 100; \$50 per 1000.
 AMERICAN BEAUTIES, bench plants, \$4 per 100; \$30 per 1000.

GEO. REINBERG, 51 WABASH AVE., CHICAGO.

750,000 Forcing Roses, Mums and Stevia from Stock.

Printed price list mailed on inquiry, or see issues of Florists' Review for May 21 and 28 for list of varieties and prices.

Poehlmann Bros. Co., Morton Grove, Ill.

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E. F. WINTERSON CO.

Successor to McKELLAR & WINTERSON,
45-47-49 Wabash Ave., CHICAGO.

THE MODERN SUPPLY HOUSE.
CUT FLOWERS

Remember we are HEADQUARTERS on all CUT FLOWERS, our mainstay.
SPECIALTIES FOR

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ANNUAL
CLEARANCE SALE.

To close out surplus stock we will offer the following
goods at greatly reduced prices until sold. Orders filled
in rotation. ORDER QUICK TO INSURE THESE PRICES.

CASH WITH ORDER.

SPHAGNUM MOSS—Clean and fresh. 5 bales, \$4.50; 10 bales, \$8.50;
25 bales, \$20.00.

WHEAT SHEAVES—Per doz., A, \$1.40; B, \$2.25; C, \$3.25; D, \$4.50;
E, \$5.50; F, \$7.00; G, \$9.00.

RIBBONS—Best florists' satin, all colors, per bolt, No. 5, 50c; No. 9,
80c; No. 12, \$1.05; No. 16, \$1.15; No. 22, \$1.35.

CYCAS LEAVES—Best imported stock. 24-inch, \$2.00 per doz.;
40-inch, \$4.00 per doz.; 24 to 48-inch, assorted, \$15.00 per 100.

CANE STAKES—4 to 8 feet long, \$4.00 per 1000.

BASKETS—All kinds in assortments, \$5.00, \$10.00 and \$25.00. 10 per
cent. less than regular prices.

TIN FOIL—Either 5 or 7-inch. 5 lbs., 45c; 10 lbs., 80c; 25 lbs., \$2.00;
100 lbs., \$6.00.

WHITE PAMPAS PLUMES—Select stock. Per 100, \$2.50; per 1000,
\$20.00. Colored Pampas Plumes, assorted colors, per 100, \$5.00.

TISSUE PAPER—Per bundle, \$4.00.

Fine line of JARDINIERS and GLASS VASES JUST ARRIVED. Write for Special Prices. Consignments Solicited.

Roses.

1,000 AM. BEAUTIES, 3-in.,
fine, clean stock, \$7.00 per 100.

PERLES, 3-inch, 7c; 4-inch, 12c.

METEORS, 4-inch, 10c.

All A 1 Stock.

Pittsburgh Rose and Carnation Co.
VALENCIA, PA.

PERLES AND METEORS.

1000 Perles, 3-in., 4c.

500 Meteors, strong, 3½-in. pots, 5c.

2000 S. A. Nutt ger., extra strong, 2-in., \$3.00
per 100. 1000 Finest Double Pink bedder, Ger.,
extra strong, 2-in., \$3.00 per 100. 4000 S. A. Nutt,
fine plants, 4-in. 1000 Finest Double Pink bedder,
Ger., 4-in., \$3.00 per 100. 2000 Mme. Sallerol, 2c.
Sample free. Plants are all exceptionally fine.
GESLER & DRURY, GALESBURG, ILL.

Sunrise.

A healthy free-blooming rose of
very beautiful saffron color that
every florist should plant.

Two first prizes won at the National
Rose Show.

PRICE—3-inch pots.....\$9.00 per 100.

JOHN WELSH YOUNG,
GERMANTOWN, - - PHILADELPHIA, PA.

Upsal Station, Penn. R. R.

Mention the Review when you write.

YOU WILL
FIND ALL THE BEST
OFFERS ALL the time in the
Review's Classified Ads.

ROSE PLANTS

	Per 100	Per 1000
Sunrise, 2½-inch.....	\$7.00	\$65.00
Golden Gate, 2½-inch.....	2.50	20.00
Meteor, 3½-inch.....	4.50	37.50

	Per 100	Per 1000
Ivory, 2-inch.....	\$4.00	\$35.00
Ivory, 3-inch.....	5.00	45.00
Perle, 3-inch.....	5.00	45.00
Liberty, 3-inch, very fine stock.	10.00	80.00

American Beauty,

bench plants, cut down to 12 inches
high. \$5.00 per 100.
45.00 per 1000.

All stock sold under express condition that if not satisfactory it is to be returned
immediately when money will be refunded. No plants or cuttings sent by mail.

Cannot accept orders for less than 50 of a variety.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

Mention The Review when you write.

ROSE PLANTS == To Clear Out.

2000 AMERICAN BEAUTY..... \$40.00 per 1000
2000 IVORY..... 20.00 "

2-inch, strong, clean stock, first-class in every way.

J. A. BUDLONG, 37-39 Randolph Street, CHICAGO.

Mention The Review when you write.

1200 AMERICAN BEAUTIES!

700 Brides, 350 Maids, 100 Perles, 600
Golden Gates, 200 Ivory, 3-inch pots,
\$6.00 per 100.

1000 good assorted Geraniums, 3-inch
pots, \$4.00 per 100.

L. J. STUPPY, St. Joseph, Mo.

Mention the Review when you write.

2000 Brides

in 2½-in. pots, \$3.00 per 100.

Fine stock left over from reserve for our
own planting. Address

THE FLORAL EXCHANGE, EDGELY,
PA.

Mention The Review when you write.

KANSAS CITY.

Business was quiet all last week, but from the actions of all the buyers at the wholesale houses this morning every one anticipates some business this week. Everything was bought up at once.

The Alpha Floral Co. has dissolved partnership, A. Ebberfield buying out Max Eller.

Mrs. Edgar, one of our first lady florists, is closing her place of business for the summer and going to Colorado for her health.

John Schneider, our oldest Wall street florist, has closed for the summer and can now be found at his country place south of the city.

W. L. Rock has returned from a fishing trip, but he does not say how successful it was.

Byrns & Katzung, of Leavenworth, Kan., have become buyers in our market and they seem to be doing a good business in the city and with the soldiers, at Fort Leavenworth.

Carl N. Stark is a visitor today from Holdenville, Ind. Ter. L. M. S.

CLEVELAND.

Cleveland has been blessed with several nice rains, and everything is growing finely, especially carnations in the fields, and the plants will be ready for very early planting. Outdoor sweet peas are coming in and are very nice. The demand for all flowers is good and June promises to be the banner month for the florists. Our normal school commencement was held on Tuesday and all the high school commencements come on the 18th, which means a big week.

There have been a number of large weddings this season, but nothing to compare with the floral display at the Hanna-McCormick wedding, for which President and Miss Roosevelt came on from Washington. The J. M. Gasser Co. and Smith & Fetters had the decoration. The presence of the President and many other distinguished guests made a busy week socially and gave all the leading florists good business. E.

TARRYTOWN, N. Y.—Announcement is made of the marriage of John R. Fotheringham and Miss Adelyn L. Coley, which took place June 11. Mr. Fotheringham is widely known in the trade through his connection with the F. R. Pierson Co.

Palm Seeds

JUST ARRIVED per Steamer Sonoma FROM AUSTRALIA.

Areca Baueri.....	25c per 100; \$2.00 per 1000
Kentia Belmoreana....	35c " 2.50 "
Kentia Forsteriana....	35c " 2.50 "
Pritchardia Seamanii..	\$4.50 " 6.00 "
Erythea Edulis.....	75c " 6.00 "

ARAUCARIA
.....EXCELSA

from 2-inch pots, one to two tiers, \$18 per 100.

Araucaria Imbricata

from 2½-inch pots, strong stocky plants, \$10.00 per 100.

Livistona Chinensis

the true variety (not Latania Borbonica), from 2-inch pots, \$6.00 per 100.

F. LUDEMANN, SAN FRANCISCO, CAL.

B. & A. SPECIALTIES.

We have thousands of Kentias,

PALMS

Araucarias and Bay Trees.

Many florists at this season of the year are looking for something to grow on during the Summer. Here is an opportunity to purchase such stock and every enterprising man will no doubt avail himself.

KENTIA BELMOREANA.

Inch.	No. of Leaves.	Height, Inches.	Per Doz.	Per 100.	Per 1000.
2½	3 to 4	8	\$1.50	\$12.00	\$100.00
3	4 to 5	10 to 12	3.00	15.00	140.00
4	5 to 6	15 to 18	4.00	25.00	225.00
5	5 to 6	18 to 22	6.50	50.00	
6½	5 to 6	22 to 24	9.00	75.00	
Each. Per doz.					
6	6	24 to 26	\$1.00	\$10.00	
6	6 to 7	26 to 28	1.25	15.00	
6	6 to 7	28 to 30	1.75	21.00	
7	6 to 7	30 to 33	2.50	25.00	
7	6 to 7	33 to 36	3.00	36.00	
7	7 to 8	36 to 40	4.00	48.00	
7	7 to 8	40 to 45	5.00	60.00	
8	7 to 8	45 to 50	6.50	75.00	
8	7 to 8	50 to 55	7.50	85.00	
9	7 to 9	50 to 60	10.00	115.00	
10	7 to 9	60 to 65	12.50	145.00	
12	tubs.....	65 to 70	15.00		
12	made-up plants, 7 to 8 ft.		25.00 to \$35.00		

KENTIA FORSTERIANA.

Inch.	No. of Leaves.	Height, Inches.	Per Doz.	Per 100.	Per 1000.
3	3 to 4	12	\$2.00	\$15.00	\$140.00
4	4 to 5	15	4.00	25.00	225.00
5	5	15 to 18	6.00	50.00	
5½	5	18 to 20	7.50	60.00	
6	5	20 to 24	9.00	75.00	
Each. Per doz.					
6	5 to 6	24 to 28	\$1.00	\$10.00	
6	5 to 6	28 to 30	1.25	12.00	
6	6	30 to 32	1.50	15.00	
6	6 to 7	32 to 36	2.00	20.00	
7	6 to 7	36 to 42	3.00	30.00	
8	6 to 7	48 to 52	4.00	50.00	
9	6 to 7	60 to 65	7.50		
10	6 to 7	65 to 75	12.50		
12	tubs, 7 to 8	7 to 8 ft.	18.00		
12	" made-up, 7 to 9 ft.		20.00 to \$30.00		

We are pleased at all times to receive visitors at our Nurseries. We have sixty acres planted with the most interesting stock in the country. See Spring Catalogue for other stock.

BOBBINK & ATKINS, -- Rutherford, N. J.

Mention the Review when you write.

WE HAVE REMOVED TO No. 11 PROVINCE STREET. ORDER DIRECT FROM HEADQUARTERS.

We carry the largest and most complete line of **FLORISTS' HARDY SUPPLIES**. **Dagger and Fancy Ferns**, A No. 1 quality, \$1.00 per 1000; discount on larger orders. **Bronze and Green Galax**, best quality, \$1.00 per 1000. **Laurel Festooning**, best quality, 5 and 6 cts. per yd. **Green Moss**, \$1.00 per bbl.; 75 cts. per bag. **Sphagnum Moss**, \$1.00 per bbl.; 50 cts. per bag.

We can fill your order at a moment's notice. Orders by mail, telegraph and telephone will receive our prompt and personal attention.

HENRY M. ROBINSON & CO., 11 Province St., BOSTON, MASS.

XXX SEEDS

CHINESE PRIMROSE. Finest grown, large flowering, fringed, single and double, 15 varieties, mxd., 500 seeds, \$1.00; half-pkt., 50 cts.

CINERARIA. Finest large-flowering, dwarf, mixed, 1000 seeds, 50 cts.

PRIMULA OBCONICA Grandiflora. The finest large-flowering, 1000 seeds, 50 cts.

DAISY. Double Giant, white and rose, mixed or separate, 1000 seeds, 25 cts.

GIANT PANSY SEED.

The best large-flowering varieties, critically selected, 5000 seeds, \$1.00; half-pkt., 50 cts.

Cash. A packet of the new ever-blooming forget-me-not "Constance" added to every order.

JOHN F. RUPP, SHIREMANSTOWN, PA.

The Home of Primroses.

THE E. G. HILL CO.

Wholesale Florists,

RICHMOND, INDIANA.

JOHN SCOTT,

Keap St. Greenhouses, Brooklyn, N. Y.

Headquarters for BOSTONS

Fine "PIERSONT" in 2½-inch pots.

The Cottage Gardens' Collection of Cannas. Grand stock. Send for particulars.

Mention The Review when you write.

The Florists' Hall Association

has paid over \$54,000 for glass broken by hail during the past 15 years. For particulars

Address JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

ACALYPHA MACAFEEANA

\$3.50 per 100.

Strobilanthes Dyerianus

75 cts. per doz.; \$5.00 per 100.

ABUTILONS.

Souv. de Boun, Eclipse, Mrs. John Laing, Santana and Golden Fleece, 2½-inch pots, \$2.50 per 100; \$20.00 per 1000.

CHRYSANTHEMUMS.

Autumn Glory, Col. D. Appleton, Eureka, Glory of the Pacific, Mrs. Perrin, Mrs. O. P. Bassett, Mrs. Murdock, Wm. H. Lincoln, Beale Burton and others, ready now, \$2.00 per 100. **POMPON CHRYSANTHEMUMS**, 50 varieties, \$2.00 per 100; \$17.50 per 1000.

COLEUS.

Golden Bedder, Golden, Pink and Crimson Verschaffelti, Annie Pfister, Massey and other varieties, \$2.00 per 100; \$17.50 per 1000.

MISCELLANEOUS.

Cannas, named.....	2½-in. pots, per 100
Cannas, 3-inch pots, good, strong stock, standard varieties, 60c per doz	4.00
	\$35.50 per 1000.
Canna Robusta, extra large roots	2.00
Fuchsias, in variety.....	2.50
Hardy English Ivy, extra strong.....	2.00
Lemon Verbena.....	2.50
Lobelia, compacta.....	2.00
Sedum variegata.....	2.00
Swainsona Alba.....	2.00
(Rooted Cuttings of Hardy English Ivy, 75c per 100; \$5.00 per 1000.)	

Not less than 5 of any one variety sold. Send for trade list of full line of Greenhouse and Bedding Plants. Cash with order.

R. VINCENT, JR. & SON,
WHITE MARSH, MD.

Mention the Review when you write.

Palms and Ferns!

WE HAVE A FINE LINE IN ALL SIZES.

Also **ASPARAGUS** and **SMALL FERNS** for Ferneries.

OUR STOCK WILL PLEASE YOU.

C. C. POLLWORTH CO., Milwaukee, Wis.

Mention The Review when you write.

ZIRNGIEBEL GIANT PANSIES

Market and Fancy Strains

are the finest grade this season that we ever sent out, when large size and colors are wanted.

As growers, we know every strain of note in cultivation and we can recommend our pansies as unequaled.

New crop seed ready now in trade packages of either strain, at \$1.00 each.

**Denys Zirngiebel,
NEEDHAM, MASS.**

Mention the Review when you write.

Dracaena Indivisa,

4-inch pots, 10c; 5-inch pots, 20c each.

From 3-inch pots—Stevia, French Daisy, Vinca Major, Golden Feverfew, Ageratum, Verbena, "Henderson's Mammoth," 3c each; \$25 per 1000.

From 2½-in. pots—Berried Plants for Christmas now ready—Celestial Peppers, Solanum Ciliatum, Solanum Amazonium and Annuum, Solanum Capsicastrum or Jerusalem Cherry (the large berry variety), Hydrangea Otaksa (pink and blue), Egg Plants, Red and Yellow, Coleus, \$2.50 per 100.

CASH, or will trade some for good rooted Chrysanthemum cuttings.

My plants are well established and are clean and showy.

M. F. LaROCHE, Collingdale, Pa.

Mention the Review when you write.

Pandanus Veitchii

6-inch pots, \$1.00 each; \$12.00 per doz.

A few larger plants.

**JOHN WELSH YOUNG,
GERMANTOWN, - - - PHILADELPHIA, PA.**
Upsal Station, Penn. R. R.

Mention the Review when you write.

CYCLAMEN

Nothing but the best giganteum persicum, large flowered, 3-inch, ready for 4-inch, \$5.00 per 100.

Asparagus Sprengeri—From flats, ready for potting up, \$1.00 per 100; \$6.00 per 1000. 5000 for \$25.00. 2½-inch, \$1.50 per 100; \$12.50 per 1000.

AMUEL WHITTON, 15-17 Gray Ave., UTICA, N. Y.
Mention The Review when you write.

BAY TREES, PALMS And Other Decorative Stock.

Orchids Just Received.

Fine importation of Cattleya Trianae and Phalaenopsis Amabilis and Schilleriana, etc. Ask for prices or call and inspect stock.

JULIUS ROEHRS, Rutherford, N. J.

'MUM NOVELTIES.

25c each; \$2.50 per doz.—Convention Hall, F. J. Taggart, Globosa Alba, Amorita, Mlle. Marg. Douillet, Mme. Von Andre, Florence Molyneux, Mrs. T. W. Pockett, Beatie Godfrey, Mlle. Marie Liger, Brumaire, Minnie Bailly, Mrs. Rufus W. Smith, H. W. Buckbee, Mrs. J. J. Mitchell, Queen Alexandra, Mme. Paola Radaelli, Chas. Longly, Mrs. Alex. McKinley, Robt. Laird, Godfrey's King, Quo Vadis, Millicent Richardson, U. J. Saiter, Henry Sinclair, Yellow Eaton, Mme. Herrewewe, Daisy Moore, Mme. Chambry and Mrs. Harry Emmerton and many others. Send us a list of your wants.

NATHAN SMITH & SON, Adrian, Mich.
Mention The Review when you write.

Chrysanthemums...

Bonnaillon, White Bonnaillon, Childs, Wana-maker, Merry Xmas, Modesto, Monrovia, 2-inch pots, \$2.00 per 100.

Stevia—Extra strong, 2-inch, \$2.00 per 100.

Cut back 2-year-old Bride and Maid Roses well ripened wood, \$2.00 per 100. Cash with order.

JOHN BROD, - - Niles Center, Ill.
Mention The Review when you write.

Asparagus Sprengeri

2-inch pots.....\$2.00 per 100
2½-inch pots.....2.50 "
3-inch pots.....3.00 "

Asparagus Plumosus Nanus, from flats, \$2.00 per 100; \$15.00 per 1000. We prepay express charges and guarantee satisfaction.

LOOMIS FLORAL CO., - - LOOMIS, CAL.
Mention the Review when you write.

CARNATIONS

F. DORNER & SONS CO., LaFayette, Ind.

Mention The Review when you write.

LAST CALL

Don't miss this opportunity of securing the following stock, guaranteed strictly first-class in every respect, all from 2½-inch pots. Orders shipped the day received or money refunded.

12,000 Verbenas—15 mammoth varieties, labeled, \$1.00 per 100; \$9.50 per 1000.

8000 Petunias—Dreer's Double Fringed, 10 novelties, labeled, \$1.50 per 100; \$14.00 per 1000.

3000 Ageratums—P. Pauline and Stella Gurney, \$1.25 per 100; \$12.00 per 1000.

3000 Fuchsia—Little Gem, \$1.25 per 100; \$12.00 per 1000.

2000 Alyssums—Dbl. Giant, \$1.25 per 100; \$12.00 per 1000.

5000 Fuchsias—4 leading sorts, \$1.50 per 100; \$14.00 per 1000.

1000 Marguerites—White and yellow, \$1.50 per 100.

Geraniums—Jean Vlaud, S. A. Nutt, E. G. Hill, Mme. Buchner and Alp. Ricard, \$2.25 per 100; \$20.00 per 1000. O.A.S.H.

The W. T. Buckley Plant Co., Springfield, Ill.

Mention the Review when you write.

DAHLIAS.

A choice lot of field-grown roots, named varieties, \$5.00 per 100. Our selection, \$4.00 per 100; mixed double varieties, \$3.00 per 100; mixed single varieties, \$2.00 per 100. For varieties see former issues.

Wagner Park Conservatories, Sidney, O.

Mention The Review when you write.

Begonia Gloire de Lorraine.

Guaranteed first-class stock. June and July delivery. \$15.00 per 100.

**S. S. SKIDELSKY,
708 N. 16th St., PHILADELPHIA.**

Mention The Review when you write.

BALTIMORE.

Hail.

We have had a week of phenomenally cool weather, and on one day a hail storm of unusual violence. Fortunately the latter was limited in its extent and we hear of no great damage done. C. Hess, Edw. Kress and Wm. Christie lost some glass, the first named being protected by insurance, and a great many sweet peas were destroyed, with some other outdoor stock.

The Market.

Trade the past week was not overactive in the fore part, considerable more stock accumulating than the demand required, but toward the end calls were more pressing and most of the material in sight was worked off at figures which are on the declining grade. This week will about conclude the commencement season, and from now on for some months to come a very much less volume of business may naturally be expected. A good many houses are being emptied and planting out is in order. Doubtless the demand and supply will quickly adjust themselves to the situation. Some fine white Cochet roses grown under glass are now in evidence, but the character of almost all other stock is declining.

Death of W. H. Perat.

It will not be out of place to record here the death of one who, though not a gardener or florist in the general acceptance of these terms, yet was both in reality—Wm. H. Perat. This gentleman was for many years president of the Maryland Horticultural Society, and by his intelligent interest in the cultivation of plants and the production of flowers probably did more than any other single citizen to develop a taste for this branch of gardening. He was a merchant, doing a large business, and with a great fondness for horticultural pursuits, which he followed with a knowledge at once practical and unusual. He was not content, as other men of wealth generally are, to erect a range of glass, employ a gardener and enjoy the products. On his beautiful estate, which was a model of neatness, and on which could be found the best kept lawns and the rarest and finest specimens of all kinds of ornamental trees, he built modern houses in which was one of the earliest and most complete collections of plants ever gathered in this locality. He was acquainted with all of them, knew the treatment they required, and was able with his own hands to attend to the details of their cultivation, which he took great pleasure in doing. His collection of orchids was one of the most valuable ever gathered in Maryland. Mr. Perat's fondness for gardening was contagious and influenced many of his friends to follow his example. He was a man of the highest character, of unimpeachable mercantile honor and greatly respected in the community. B.

COLORADO SPRINGS, COLO.—Invitations are out for the marriage of Grace C. Clark, daughter of Mr. and Mrs. Wm. Clark, and Percy E. Brooks, June 24.

BOONE, IA.—J. N. Gildea reports that in spite of the continuous downpour which spoiled Decoration day plant trade, the spring business shows 75 per cent increase over last year.

BEDDING PLANTS!
CLEARANCE SALE.

	Per 100
Alyssum—Giant, double and dwarf, 3-in.....	\$1.50
Ageratum—Stella Gurney, 2-in.....	1.50
Alternantheras—Red and yellow, 2-in.....	1.50
R. C., \$4.00 1000.	
Cannas—Mixed, 3-in.....	4.00
Coleus—Standard and fancy variety, 3-in...	1.50
Fuchsias—Mixed, strong, 3-in., \$3.50; 2-in...	2.00
Geraniums—Standard var., my selection, 4-in., \$6.00; 3-in. \$3.50; 2-in.....	2.00
" 100 in 10 named var., 10 of each 5.00	
" 200 in 20 " " 10 " 10.00	
" 300 in 30 " " 10 " 15.00	
Heliotropes—Strong, best dark, 3-in., \$3.50; 2-in.....	2.00
Ivy—German, 2-in.....	1.50
Ice Plant—2-in.....	1.50
Moonvines—2-in.....	2.00
Salvia—5 var., 3-in., \$3.00; 2-in.....	1.50
Verbenas—2½-in., \$2.50; 2-in.....	1.50
Asters—Sample's best in colors, Wick's best mixture, Carlson's mixture, transplanted, per 1000.....	\$10.00
Centaurea—Dusty Miller, 2-in.....	1.50
Cobaea—3-in. \$4.00; 2-in.....	2.00
Lobelia—Compacta and Speciosa, 2-in.....	1.50
Pyrethrum—Aureum, Golden Feverfew, 2-in.....	1.25
Umbrella Plants—3-in., \$3.00; 2½-in.....	2.00
Pansies—Florists' International, in bloom, fine plants, 1000.....	\$10.00

VEGETABLE PLANTS.

Cabbage—300 000 Danish Ball Head, from Danish grown seed, \$1.25 per 1000; 15c per 100; transplanted, \$2.50 per 1000.....	.30
Celery—Transplanted strong plants, White Plume, Golden Self-Blanching and Golden Heart, \$3.50 per 1000.....	.30
Tomato—15c, 50c and.....	1.00
Pepper—Sweet Mountain, Ruby King and Cayenne, transplanted.....	.35

Wholesale price list on application.

LUDWIG MOSBAEK, So. Chicago, Ill.
8500 ANTHONY AVE.

Cyclamen
Giganteum

OUR SPECIALTY. My own and much improved strain, as good as any in the country or abroad, 3-inch, \$7.00 per 100; \$65.00 per 1000.
GERANIUMS—The very best standards, fine stock, in bud and bloom, 4-in. \$6.00, 3-in. \$4.00, 2-in. \$2.00 per 100. 20 per cent less by the 1000.
CANNAS—Leading varieties, 3-in. \$4.00 per 100.
ALTERNANTHERAS—Red and yellow, 2-in. \$2.00 per 100; \$15.00 per 1000.
BEGONIAS—Gracilis and Vernon dwarfs, 2-in. \$2.00 per 100; \$15.00 per 1000.
SALVIA—2-in. \$2.00 per 100.
FUCHSIAS—3-in. \$4.00, 2-in. \$2.00 per 100.
VIOLETS—Marie Louise, 3-in., \$5.00 per 100.
CALADIUM—Esculentum, 5-in., \$1.50 per doz.
Stock guaranteed the very best.

C. WINTERICH, Defiance, Ohio.

Mention the Review when you write.

20,000 Boston Ferns

Ready at \$25 per 100. Orders booked for small Bostons at \$5 per 100; \$10 per 1000.

THE "ANNA FOSTER" FERN

3-in. at \$20 per 100; cut from bench at \$35, \$50, \$75 per 100. 10,000 KENTIAS.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Mention the Review when you write.

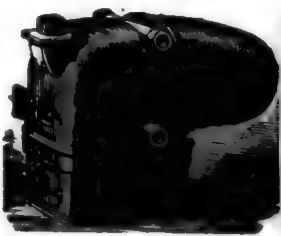
GERANIUMS.

2,500 S. A. Nutt, 3½-in.....	\$7.00 per 100
8,000 Queen of the West, 3½ and 4-in. 7.00 per 100	
1,000 Single Red, 3½-in.....	7.00 per 100
1,500 Sallerol, 2½-in.....	8.00 per 100

As good stock as can be grown. Strong plants in bloom. Sample if desired.

LAKE GENEVA FLORAL CO.
LAKE GENEVA, WIS.

Mention The Review when you write.



HITCHINGS & CO.
233 MERCER ST., NEW YORK.
GREENHOUSE BOILERS
PIPES, FITTINGS AND VENTILATING APPARATUS
Send out tickets for Catalogue.
GREENHOUSE BUILDING

Don't You Forget
SIEBERT'S ZINC
NEVER RUST
GLAZING POINTS
are positively the best. Last forever. Over 8000 lbs. now in use.
A sure preventive of glass slipping. Effective on large or small glass. Easy to drive, easy to extract.
Two sizes, ¾ and ¼, 40c a lb.; by mail, 16c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express.



For Sale by
Vaughan's Seed Store, Chicago & New York
Henry F. Mitchell..... Philadelphia
W. C. Beckert..... Allegheny, Pa.
Livingston Seed Co..... Columbus, Ohio
Schlegel & Fottler..... Boston, Mass.
J. M. McCullough's Sons..... Cincinnati, Ohio
Carneal & Davis..... Richmond, Va.
Chas. T. Siebert, Station B, Pittsburgh, Pa.

KIND WORDS NEVER DIE.

Bellevue, Pa.

Chas. T. Siebert:—Please book my order for 100 lbs. of Zinc Never Rust Glazing Points. I have used five different kinds in the past 12 years, and none of them gave me satisfaction like yours. They will stay in, are easy to drive, no rights or lefts, will hold the glass in place, and do not rust away like all others I have used. Your Zinc Points are easy to take out when making repairs. I have used about 100 lbs. of your Zinc Points in the last two years, and I am perfectly satisfied with them.

Yours truly,

F. BURKI.

Cleveland, Ohio.

Chas. T. Siebert:—In our 25 years' experience with glazing points of all kinds, I can say your zinc points are the best to date.

CHAS. H. WILSON,

Mgr. for Grant-Wilson Floral Co.

Lockland, Ohio.

Chas. T. Siebert:—I must say the Zinc Points have given great satisfaction. I have over 100 lbs. on my houses, and feel justified in stating that they are the best point on the market.

Yours respectfully,

W. K. PARTRIDGE, Florist.

Mention The Review when you write.

GERANIUMS in bud and bloom, 4-in., \$6 per 100—Mrs. E. G. Hill, Jean Vland, Bruant, Mme. Chevelliere, Beaute Poitevine.

CANNAS—Fine large plants in 4-in. pots ready for immediate planting, \$7.00 per 100; Burbank, Elliott, Henderson, McKinley, Vaughan, Crozy, etc.

ALTERNANTHERAS—Red and Yellow, 2½-in. \$2.50 per 100.

COLEUS—15 varieties, \$2.00 per 100.

CHRYSANTHEMUMS, Rooted Cuttings. July delivery—Opah, Willowbrook, Polly Rose, Robinson, Weeks, Fee du Champaur, Princess Bassaraba, Eaton, Jerome Jones, Monrovia, Parr, Halliday, Appleton, Park, Bonaffon, Golden Wedding, Golden Beauty, Lady Harriett, Glory of Pacific, Helen Bloodgood, Dalskov, Chadwick, Mrs. Perrin, Mary Hill, Murdock, Calvat, Malcolm Lamond, \$1.50 per 100. Mlle. Liger and Yellow Eaton, 50c each; \$5.00 per doz.

BOSTON FERNS—6-in., 50c and 75c each; 7-inch, \$1.00; 8-inch, \$1.25; 9-inch, \$1.50.

ROSES—2,000 Brides, 2½-in. rose pots, \$3.50 per 100. Cash or C. O. D.

W. J. & M. S. VESEY, - FT. WAYNE, IND.

Mention the Review when you write.

GERANIUMS S. A. Nutt, Bruanti, best dbl. Pink and White, first-class stock, 4-in., \$6.00 per 100.
VINCAS, extra strong, long vines, \$8.00 per 100.
CANNAS, mixed, 4 in., fine \$6.00 per 100.
SINGLE PETUNIAS, Dreer's, out of 3-in., \$3 per 100.
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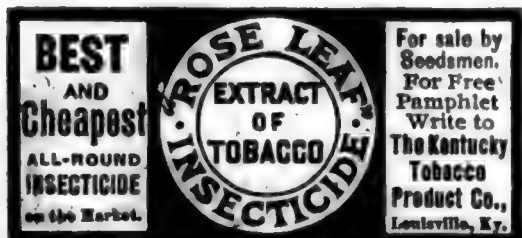
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issue of the following Thursday, and earlier will
be better.Entered at the Chicago post-office as mail
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Press Association.

INDEX TO ADVERTISERS.

This index covers only those having displayed
advertisements. There is a host of others mak-
ing offers in our classified advs. and they will be
found there under their proper headings.

Allen, J. K.	136	Hicks & Crawbuck	137
Amling, E. C.	131	Hill Co., E. G.	154
Aschmann, Godfrey	134	Hippard, E.	157
Baker, W. J.	135	Hitchings & Co.	156-58 61
Ball, C. D.	137	Holton & Hunkel Co.	139
Barnard & Co.	121	Hunt, E. H.	122-33-35-57
Bassett & Washburn	138-52	Igoe Bros.	157
Baur Co., S. A.	121	Jacobs & Son.	158
Bayersdorfer & Co.	123	Johnson & Stokes	145
Beckert, W. C.	138	Jurgens, Aug.	134
Beneke, J. J.	140	Kasting, W. F.	121
Bentley & Co.	138	Kellogg, Geo. M.	139
Berger, H. H. & Co.	122	Kennicott Bros. Co.	121
Bernheimer, E.	135	Kentucky Tobacco	137
Berning, H. G.	135	Product Co.	157
Bobbink & Atkins.	154	Kramer & Son.	159
Bonnot Bros.	136	Kreshover, L. J.	137
Bowe, M. A.	140	Kroeschell Bros. Co.	160
Bradshaw & Hartman	136	Kuehn, O. A.	139
Brant & Noe	135	Lager & Hurrell	135
Breitmeyer's Sons	137-40	Lakeview Floral Co.	166
Brod, J.	155	Lange, A.	140
Bruns, H. N.	138	Larkin Soap Co.	159
Buckley Plant Co.	155	LaRoche, M. F.	155
Budlong, J. A.	138-58	Lecakes & Co., N.	137
Burpee, W. Atlee &	143	Limbach, C.	159
Co.	143	Livingston Seed Co.	157
Caldwell Co., W. E.	158	Loomis Floral Co.	155
Caldwell The Woods- man Co.	135	Lord & Burnham	160
California Carnation Co.	133	Ludemann, F.	154
Century Flower Shop	140	McConnell, Alex.	140
Chapin Bros.	141	McCullough's Sons.	139
Chicago Carnation Co.	121	McManus, James.	136
Clarke Bros.	140	McMorran & Co.	157
Clarke's Sons, David	140	Manhattan Supply Co.	131
Classified Advs.	142	Michigan Cut Flower Exchange	139
Cottage Gardens.	137-51	Millang, C.	136
Cowee, W. J.	138	Moninger Co., J. O.	159
Crabb & Hunter	156	Moon Co., W. H.	150
Crowl Fern Co.	141	Moore, Hentz & Nash	156
Crooke Co., J. J.	157	Mosbaek, L.	156
Cunningham, J. H.	134	Moss, Isaac H.	137
Dearborn Engraving Co.	134	Muir, S.	149
Dickinson Co., Albert	133	Muno, John	138-52
Dietsch, A. & Co.	158	Murphy, Wm.	139
Diller, Caskey & Co.	158	Nanz & Neuner.	136
Dillon, J. L.	134	National Florists' Board of Trade	137
Dillon Greenhouse Mfg. Co.	160	N. Y. Cut Flower Co.	136
Dorner, F. & Sons Co.	155	Niessen, Leo.	135
Dreer, H. A.	136-160	Park Floral Co.	140
Dunne & Co.	122	Parker-Bruen Co.	159
Eickholt, Mrs. Chas.	141	Pennock, S. S.	134-35
Ellis, F. M.	139	Perkins, J. J.	137
Floral Exchange	153	Peterson's Nursery	150
Florists' Hall Asso.	154	Philadelphia Whole- sale Flower Market	137
Foley, J. J.	139	Pierce Co., F. O.	157
Foley Mfg. Co.	159	Pierson, A. N.	141
Foster, L. H.	156	Pierson, F. A.	137
Garland, Geo. M.	160	Pierson Co., F. E.	121-22
Garland, Frank.	138	Pierson-Sefton Co.	160
Gesler & Drury	153	Pittsburg Cut Flow- er Co.	135
Gasser Co., J. M.	140	Pittsburg Rose and Carnation Co.	153
Geller, Sigmund	122	Poehlmann Bros.	138-52
Ghormley, W.	136	Pollworth Co.	155
Giblin & Co.	160	Quaker City Machine Works	160
Gibbons, H. W.	159	Randall, A. L.	138
Greenhouse Mfg. Co.	160	Rawlings, E. I.	137
Gude & Bro., A.	140	Rawson & Co.	133
Gullett & Sons	134	Reed & Keller	122
Guttman, A. J.	137	Reeser Co.	134
Hammond, J. A.	136	Regan Ptg. House	122
Hancock, Geo. & Son	137	Reid, Edw.	135
Harbison, S. M.	134	Reinberg, Geo.	138-52
Hauswirth, P. J.	140	Reinberg, P.	138-63
Heacock, Jos.	152	Rice, M. & Co.	122
Herr, A. M.	135	Riedel & Co.	136
Herrmann, A.	135	Robinson & Co.	154
		Rock, W. L.	140
		Roehrs, Julius.	155

Rupp, J. F.	154	Thorburn, J. M. & Co.	186
Ryerson, U. C.	156	Tobacco Warehous- ing & Trading Co.	157
Salter, W. H.	135	Traendly & Schenck	137
Saltford	140	Van Horne, Griffen & Co.	159
Saltford, Geo.	136	Vosey, W. J. & M. S.	156
Sampson, Wm.	137	Vincent, Jr. R. & Son	154
Samuelson, C. A.	141	Virgin, U. J.	140
Sands, W. B.	141	Wagner Park Con- servatories.	155
Schmitts, F. W. O.	122	Weathered's Sons.	160
Scollay, J. A.	160	Weber, F. C.	140
Scott, John.	164	Weber, F. H.	140
Scott, W.	140	Weiland, M.	140
Seattle Floral Co.	141	Weiland & Risch	138
Sheridan, W. F.	136	Whetstone & Co.	159
Shibeley	140	Whitton, S.	155
Siebert, C. T.	156	Wiegand & Sons	140
Siebrecht & Son	140	Wietor Bros.	138
Sievers & Boland	140	Winterich, C.	138
Sinner Bros.	138	Winterson Co., E. F.	153
Skidelsky, S. S.	155	Wittbold Co.	140
Smith, H. J.	139	Wilke Mfg. Co.	158
Smith & Son, N.	155	Young, John.	136
Smith Co., W. & T.	150	Young, J. W.	153-55
Stern Co., J.	122	Young & Nugent	136
Stewart, S. B.	141	Zirngiebel, D.	165
Stoothoff Co., H. A.	157		
Stumpp & Walter	139		
Stuppy, S. J.	153		
Swanson, Aug. S.	140		

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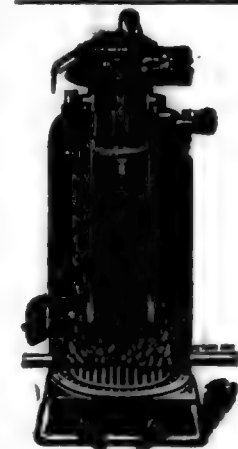
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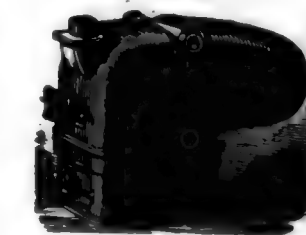
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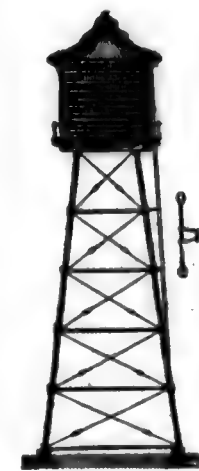
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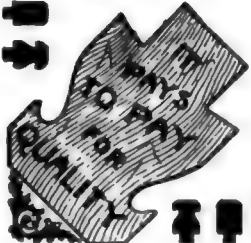
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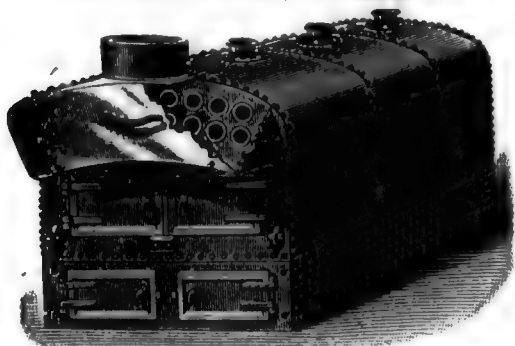
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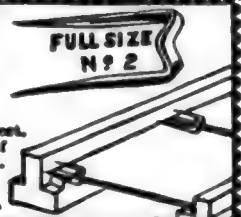
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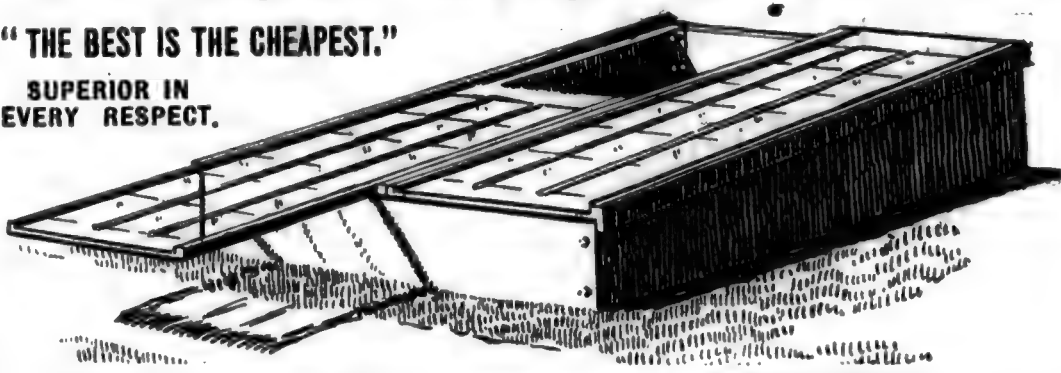
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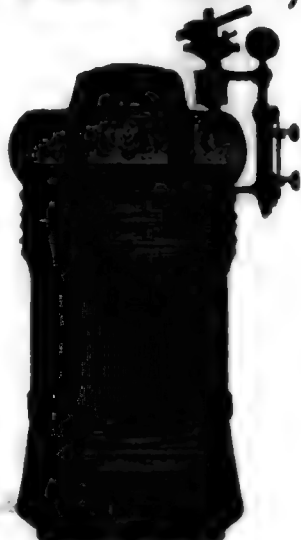
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Vol. XII.

CHICAGO AND NEW YORK, JUNE 25, 1903.

No. 291.

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1-3/4-inch.....\$.95	\$.30	\$2.50
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1/2-inch......10	.75	6.00
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1-1 1/4-inch diameter\$.50	\$3.75	\$35.00
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MISCELLANEOUS SEASONABLE HINTS.



Too Much Rain.

Many parts of the country that experienced a severe drought, have, for the past two weeks, had almost too much rain and a low temperature. Look out for plants like azaleas, acacias, etc., which are plunged in frames in pots. See that they do not stand in an inch of water, nor yet let the pots fill up with water, because it does not pass off. These conditions would be most harmful to any so-called hard-wooded plants, and if aggravated would be death.

With land that is not actually flooded, the excessive rains do no harm, except that it is hard to keep weeds down. Last year we read of many large growers, notably around the big city of Chicago, having great difficulty in preparing their rose and carnation compost in June and July, and we in a small way are experiencing some of these troubles just now. Soil handled when wet or in a sticky state is in very poor condition for good root action, and no treatment that can be given it after it is once in the house can restore it to its proper natural condition.

The Compost Shed.

This leads me to believe that in all establishments, large and small, a soil shed is a most essential feature of a grower's plant. It need not be boarded up on the sides; in fact, it is all the better not to be so. I use a good, sharp pitch to the roof and have it high enough for a wagon to pass under it, and wide enough so that rain storms cannot drive through it. The floor of the shed should, of course, be a few inches higher than the surrounding ground. Here men can work chopping and mixing the compost in any weather. There is always plenty of fine weather in fall or spring to haul your soil to the shed and plenty of opportunity to cart it to the houses, but when entirely unprotected there are often serious and annoying delays. Such a shed for piling up a thousand loads of sod I remember seeing at the Dale Estate, in Ontario.

Sod for Roses.

It is a little out of season to go into the question as to whether sod is better ploughed and piled up in the fall or in the early spring. You will notice in very large establishments that some of the rose beds show little evidence of the sod, it being pretty well rotted, and in other beds the grass from the sod is growing lively, or trying to, having recently been ploughed and carted into the beds. And in results there has been little difference except that the fresh sod has given you much labor to keep down the grass. I will venture my humble opinion that sod procured in very early spring is better for roses than that stacked up six months earlier, for in the decomposition of the fibre and roots there is a chemical change going on that is beneficial to the roots of the roses and many other plants. If this is not the case, then all the benefit there is in sod is purely mechanical. It is raining hard

again as I write, so I repeat, whether it is for sod, well rotted compost, manure or leaf mold, let us have a roof over it so we can work.

Asparagus.

Last week I meant to say a little more about plants that furnish us with green sprays, which are almost as necessary nowadays as the roses and carnations. Next in importance to the graceful ferns are the several species of asparagus. Growing *A. plumosus* is rather confined to the specialists who have lofty houses, giving it more height to grow than many of our houses afford. Still, when you have from nine to ten feet from the surface of the bed to the glass, it is profitable enough. Both *A. plumosus* and *A. Sprengeri* are simple plants to grow if their principal requirement, root room, is remembered. But to return to the beautiful *plumosus*, for it is the most graceful of them, if strings are desired, it should have six or eight inches of soil on the surface of the house, with no boards, tile, or stone between it and mother earth. If the natural soil of the house is dug and heavily manured a foot below the surface, you will have a still stronger growth. But whether you raise the bed a foot above the surface or prepare the soil of the

good growth it ceases to send out its useful and profitable sprays. If given a bed with 18 inches of rich soil (I should prefer it raised above the surface of the house) and planted in July, you can cut grand sprays continuously for the next twelve months. I have more than once alluded to a rose grower in central New York who has a connecting range of rose houses with no partitions, and beneath the gutters he has a lot of imported glass boxes. You know, perhaps, that European glass comes 100 feet to a box. So these boxes, which held 16x24 glass, are two feet long, sixteen inches deep, and nine or ten inches wide. These are filled with rich, heavy soil and three plants of *A. Sprengeri* are planted in each. The roots can go down sixteen inches and won't get exhausted in a few months. It is a great success and goes a long way toward paying the fuel bill. It is entirely an extra crop, without in the slightest detracting from the welfare of the roses. You may not have such a place at your disposal, but you are sure to have some ends and corners that can be utilized. A heavy loam with at least a fourth of manure and lots of room for the roots grows *Sprengeri* profitably. And *plumosus*, when wanted for sprays, should do in the place.

WILLIAM SCOTT.

CHRYSANTHEMUMS.

Planting.

Planting on the benches will very probably be delayed this year, in many sections, because of the weather, but if any way possible get your plants set out this month, especially if they are getting pot-



A Pillow Which Was Made Up to Sell for \$75.00.

house, have nothing to prevent its roots going down to China. Anywhere between 55 to 60 degrees at night will grow both *plumosus* and *Sprengeri* profitably, but don't give it less than that. *Plumosus* is no more useful as a long string or vine than it is in sprays for use with bunches of roses and carnations, and for this purpose it is grown on raised benches, but does much better if it is in a solid bed or bench.

And this brings to us the useful *A. Sprengeri*. You see handsome hanging baskets of this and you see it grown in pots and shallow benches, but after one

bound. The drought this spring kept back much work that ordinarily is out of the way by June, and now for a week or so the soil, owing to excessive rains, has been too wet to handle, at least in the eastern section of the country. While chrysanthemums will be planted for six weeks yet, the early and midseason varieties are better set out in June, if you are figuring on growing the top grade of flowers. This is, of course, assuming you have from three to six feet of head room. If the house is low the only thing you can do is to plant later, which is far easier than pulling and

twisting the stems in every direction to keep the flowers from the glass.

There is no need to say much about the preparation of the soil, which need not differ in any essential from that made up for roses or carnations, although if it be a heavy clay a fair proportion of sand may with advantage be added. If the soil is very wet when wheeled in, let it drain on the benches for a day or two before planting. It is a mistake to handle soil when it is wet, but at times one cannot help it.

Distance Apart to Plant.

The space needed for each plant is not less than 8x9 inches, and if you think you can afford to make it 9x10, so much the better for your plants. This is, of course, for single-stemmed plants. They can be, and often are, planted much closer, but the quality of the flowers is in direct ratio to the space the plants are given in the bench. You cannot take four or five flowers from a foot of bench surface and have them first quality, although where your market will only take a medium to small flower, close planting will pay better. As has been often stated in these notes, a man has to grow the stock he can sell at a profit. As a rule, in the large cities there are far too many of the small grades thrown on the market, and the consequence is a glut which pulls down the price of everything. The difference in the cost of growing good stock and poor stock is slight, oftentimes, in fact, nothing more than a little additional care, but the difference in the returns is considerable.

In planting set each variety by itself and, as far as possible, put the early kinds all together on the same bench. If this is done, when the crop is cut the space can be utilized at once for something else, and this at a time when the question of room is an important one, when so much stock has to be housed from the frost.

After planting get a brick and pound the soil down solid, level it with the hands and then give the entire bench a good watering. This will settle the soil evenly around the plants and water will not be needed again at the roots until after the plants are on the move. Do not water so much at first that the soil gets green and sour, but use a little common sense.

The soil should be stirred up once a week to keep the weeds killed down and the soil from getting baked and crusted. This is really an important item and yet is often neglected. The doors and ventilators should be left open wide as soon as the house is planted, and left so night and day except during a storm. If one has side ventilation in addition to the top it will be found of great advantage to keep the house cooler.

If there is any shade left on the glass that has been put there for the benefit of any previous crop, wash it off. The chrysanthemum does not need any shade and, though the house will get very hot on bright days, a good syringing a time or two during the day will materially lower the temperature and benefit the plants. Don't forget that it is very important to spray the under sides of the leaves, because it is there that the red spider makes his home, and a spraying over the tops of the plants does not inconvenience him in the least.

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Seasonable Hints.

During the growing season and until the young roots begin to approach the surface, cultivating should be closely attended to. When the soil is light and friable this can be performed with the hand, but with soil of a stiff, clayey nature a small hand hoe or cultivator is necessary. In using any kind of an instrument due care will have to be exercised so as not to go too near the neck of the plant nor deep enough to in any



Calla with Double Spathe.

way interfere with the roots, one inch deep being all that is required if cultivating is practiced as it should be, once a week.

During hot, dry weather, when young stock has to be watered frequently and in larger quantities, the soil will require more frequent stirring to break up the surface and so prevent too rapid evaporation. In clayey soils, which are deficient in fibre, this crust forms with almost every watering during warm weather, and should be broken up as soon thereafter as possible.

When the feeding roots begin to appear near the surface it is time to stop stirring the soil and apply a light mulch. A little study and care in the preparation of our mulching material would save a great deal of hard and unnecessary work at the time we want to use it. By having it in proper condition we may expect better results than if we are forced to use the crude and raw material in its hastily prepared state.

There is, also, little doubt but that

carelessness practiced in collecting and preparing our mulching material is a fruitful source in supplying the colonies of insect pests, such as eel worms, thrips and grubs; which make neglected soil and manure piles their favorite breeding spots.

The materials for a mulch compost should be collected during the summer and piled up in nearly the same manner as with rose soil, the proportions being two of manure to one of soil, with a generous sprinkling of air-slaked lime to sweeten it. This should be chopped up a little finer than rose soil for planting, and should be turned over every three or four weeks during the summer, choosing bright, sunny days for the work, and never allowing a crop of weeds to take possession.

To have it in good condition for using during the winter months, it should be put under cover so that it may escape the drenching fall rains which greatly impoverish it. The bone meal to be used should be added just previous to applying.

For a first application the mulch should be passed through a 4-inch screen. This makes it fine enough to entirely cover the surface without having to put it on too thick, half an inch being deep enough. It is also more easily assimilated in this state than if applied in chunks.

This should be repeated at intervals of six weeks, or as the material becomes exhausted, which will happen sooner in Beauty and Meteor houses than among Bride and Bridesmaid. RIBES.

CARNATION NOTES—EAST.

A Slight Review.

As the busy season draws to a close, it is a good time to review the work and experience of the past winter. It will be found that some errors, if I may so call them, were made, for errors will occur even with the best of plans, and from this very fact the divine flower has been brought to its present high position.

With the advent of so many new varieties, some superior in one direction, others in another, also the wide difference in treatment required to grow certain varieties, it is but natural that errors have been made.

Growers throughout the country have given their time, money, space and study to place those varieties possessing commercial value in a true position. Many varieties have fallen by the wayside, but I think no reflection should be cast upon the growers, a deduction which stands out more boldly when it is considered that the best qualities of many varieties have been brought out by growers who have studied their requirements, the originator supplying cuttings only.

It is but lately that the custom has been to supply the purchaser of new introductions with cultural directions, hence the failure of some varieties to create a favorable impression the first year, but it is a pleasure to note that at present almost every variety is accompanied by printed matter giving the method of growing employed by the originator, or, thanks to the trade papers, the subject has been taken up there.

It is to the advantage of any grower who has purchased varieties of this year's introduction to acquaint himself with their special needs as to texture of soil, temperature, feeding, watering, etc.

To the Smaller Growers.

There are those who grow a general stock in connection with carnations and of necessity are limited to some degree as regards heat, light, ventilation and location of benches, and as these notes are for the benefit of all, I will give a few points coming under my observation which may be of interest to such growers:

The location of a bench has much to do with the success of a variety. It may be a side bench having no ventilator or a bench alongside a partition, which interferes with both light and ventilation.

If other plants are to be grown in the same house, your knowledge will tell you what is best suited to the carnation temperature, or choose a variety of carnation best suited to the temperature required for the other crop.

If bedding plants are grown for spring sales, contrive to plant those varieties of carnations least in demand during April and May and let them be early bloomers.

These matters should have careful consideration before planting time. Plan to place those varieties you intend to cut from during the summer where they can be well ventilated and gotten at on both sides. Carnations can be grown at a profit with other plants, but Mr. Scott takes good care to supply you with the list.

GEO. S. OSBORN.

CARNATION NOTES—WEST.

In last week's issue Mr. Osborn asks my opinion regarding the use of the soil that had carnations planted on it last year up to Christmas, at which time they were frozen up. I am inclined to think, judging from the information at hand, that Mr. Osborn's advice was correct. Under certain conditions I would not hesitate to use the soil again this year, but if it was allowed to remain just as it was when Jack Frost took possession, plants and all, it certainly would not be advisable to use it again. If the plants had been taken out and the soil loosened up soon after they were frozen, I would not hesitate to plant carnations right into the same soil again after having mixed in some more old manure and bone. There is too much danger of stem-rot, though, as it is.

Preparations for Replanting.

Most of the school commencements are over and the June weddings, too, and you will need but few carnations, except pink and white. You will be able to throw out everything except a bench or two that may still be yielding fairly well and the sooner you begin the job the better you will get through it. You will not need to begin planting any earlier on account of it, but think how nice it will be next month if you can begin planting and keep right at it until it is done and perhaps plant the last ones when many of the late beginners are just commencing to plant.

There is no danger of planting too early as long as you have fair-sized plants, and, in fact, there is everything to be gained. Every year we plant a little earlier and we have never had cause to regret it. By fair-sized plants I do not mean what you would call a fair-sized plant in August or September, but rather, as Mr. Osborn describes, six or eight strong young shoots. That means about after the third stopping. If you propagated last December you will have such plants in plenty by July 10 to 15 and



Wreath of American Beauties made by Geo. Wittbold Co., Chicago.

such a plant benched at that date will give better results than a plant double the size benched late in August. We will have more on this subject a little later, at planting time.

Now we want to consider the refilling of the benches, or beds, as the case may be. If you are able to completely empty the house of all plants it will pay you to fumigate it with sulphur in order to kill all insects that may be in the corners and odd places. If you plant on benches you should apply a heavy coat of hot lime wash before filling in the soil. Of course you will see that there are no weak boards to break through next winter, when there is a fine crop of buds on; that is when they always give way.

After allowing the lime wash to dry, put on the bottom about an inch of manure, which should be well along in process of decaying. We prefer cow manure, and as we can get plenty of that kind we use very little other. If you have good stable manure it will answer the purpose, perhaps, just as well. On top of this fill in your soil about four inches deep. We proceed in the same manner with our solid beds, except that we do not whitewash at the bottom, but only on the sides.

Be sure that you break up all the lumps when you bring the soil in. You can do that with your shovel as you fill your wheelbarrow, and it will take up very little time. No good grower will screen the soil, as was often done a few years ago. Another thing you should be careful of is that you do not handle the soil when it is too wet. Some soils are ruined more quickly in this way than others, especially those of a clayey nature. It should always be in such a state that it will crumble readily. After filling the bench or bed we do not water it until the day before we want to plant, unless it should become powder dry, in which case it may take several waterings to wet it through. Do not make the mistake of planting in a soil that is moist only half way down and dry at the bottom; you could do nothing worse.

I do not believe in encouraging the weeds to come up and pulling them up before planting the carnations. I think that first crop of weeds does more good and less harm than most growers realize. Have you ever noticed a spot here and there where only a few scattering weeds came up and how much quicker a green scum will form over the surface of the soil? What is the reason? It is because

twisting the stems in every direction to keep the flowers from the glass.

There is no need to say much about the preparation of the soil, which need not differ in any essential from that made up for roses or carnations, although if it be a heavy clay a fair proportion of sand may with advantage be added. If the soil is very wet when wheeled in, let it drain on the benches for a day or two before planting. It is a mistake to handle soil when it is wet, but at times one cannot help it.

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The soil should be stirred up once a week to keep the weeds killed down and the soil from getting baked and crusted. This is really an important item and yet is often neglected. The doors and ventilators should be left open wide as soon as the house is planted, and left so night and day except during a storm. If one has side ventilation in addition to the top it will be found of great advantage to keep the house cooler.

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To have it in good condition for using during the winter months, it should be put under cover so that it may escape the drenching fall rains which greatly impoverish it. The bone meal to be used should be added just previous to applying.

For a first application the mulch should be passed through a 3-inch screen. This makes it fine enough to entirely cover the surface without having to put it on too thick, half an inch being deep enough. It is also more easily assimilated in this state than if applied in chunks.

This should be repeated at intervals of six weeks, or as the material becomes exhausted, which will happen sooner in Beauty and Meteor houses than among Bride and Bridesmaid. RIBES.

CARNATION NOTES—EAST.

A Slight Review.

As the busy season draws to a close, it is a good time to review the work and experience of the past winter. It will be found that some errors, if I may so call them, were made, for errors will occur even with the best of plans, and from this very fact the divine flower has been brought to its present high position.

With the advent of so many new varieties, some superior in one direction, others in another, also the wide difference in treatment required to grow certain varieties, it is but natural that errors have been made.

Growers throughout the country have given their time, money, space and study to place those varieties possessing commercial value in a true position. Many varieties have fallen by the wayside, but I think no reflection should be cast upon the growers, a deduction which stands out more boldly when it is considered that the best qualities of many varieties have been brought out by growers who have studied their requirements, the originator supplying cuttings only.

It is but lately that the custom has been to supply the purchaser of new introductions with cultural directions, hence the failure of some varieties to create a favorable impression the first year, but it is a pleasure to note that at present almost every variety is accompanied by printed matter giving the method of growing employed by the originator, or, thanks to the trade papers, the subject has been taken up there.

It is to the advantage of any grower who has purchased varieties of this year's introduction to acquaint himself with their special needs as to texture of soil, temperature, feeding, watering, etc.

To the Smaller Growers.

There are those who grow a general stock in connection with carnations and of necessity are limited to some degree as regards heat, light, ventilation and location of benches, and as these notes are for the benefit of all, I will give a few points coming under my observation which may be of interest to such growers:

The location of a bench has much to do with the success of a variety. It may be a side bench having no ventilator or a bench alongside a partition, which interferes with both light and ventilation.

If other plants are to be grown in the same house, your knowledge will tell you what is best suited to the carnation temperature, or choose a variety of carnation best suited to the temperature required for the other crop.

If bedding plants are grown for spring sales, contrive to plant those varieties of carnations least in demand during April and May and let them be early bloomers.

These matters should have careful consideration before planting time. Plan to place those varieties you intend to cut from during the summer where they can be well ventilated and gotten at on both sides. Carnations can be grown at a profit with other plants, but Mr. Scott takes good care to supply you with the list.

GEO. S. OSBORN.

CARNATION NOTES—WEST.

In last week's issue Mr. Osborn asks my opinion regarding the use of the soil that had carnations planted on it last year up to Christmas, at which time they were frozen up. I am inclined to think, judging from the information at hand, that Mr. Osborn's advice was correct. Under certain conditions I would not hesitate to use the soil again this year, but if it was allowed to remain just as it was when Jack Frost took possession, plants and all, it certainly would not be advisable to use it again. If the plants had been taken out and the soil loosened up soon after they were frozen, I would not hesitate to plant carnations right into the same soil again after having mixed in some more old manure and bone. There is too much danger of stem-rot, though, as it is.

Preparations for Replanting.

Most of the school commencements are over and the June weddings, too, and you will need but few carnations, except pink and white. You will be able to throw out everything except a bench or two that may still be yielding fairly well and the sooner you begin the job the better you will get through it. You will not need to begin planting any earlier on account of it, but think how nice it will be next month if you can begin planting and keep right at it until it is done and perhaps plant the last ones when many of the late beginners are just commencing to plant.

There is no danger of planting too early as long as you have fair-sized plants, and, in fact, there is everything to be gained. Every year we plant a little earlier and we have never had cause to regret it. By fair-sized plants I do not mean what you would call a fair-sized plant in August or September, but rather as Mr. Osborn describes, six or eight inch young shoots. That means about the third stopping. If you propagate last December you will have such in plenty by July 10 to 15 and



Wreath of American Beauties made by Geo. Wittbold Co., Chicago.

such a plant benched at that date will give better results than a plant double the size benched late in August. We will have more on this subject a little later, at planting time.

Now we want to consider the refilling of the benches, or beds, as the case may be. If you are able to completely empty the house of all plants it will pay you to fumigate it with sulphur in order to kill all insects that may be in the corners and odd places. If you plant on benches you should apply a heavy coat of hot lime wash before filling in the soil. Of course you will see that there are no weak boards to break through next winter, when there is a fine crop of buds on; that is when they always give way.

After allowing the lime wash to dry, put on the bottom about an inch of manure, which should be well along in process of decaying. We prefer cow manure, and as we can get plenty of that kind we use very little other. If you have good stable manure it will answer the purpose, perhaps, just as well. On top of this fill in your soil about four inches deep. We proceed in the same manner with our solid beds, except that we do not whitewash at the bottom, but only on the sides.

Be sure that you break up all the lumps when you bring the soil in. You can do that with your shovel as you till your wheelbarrow, and it will take up very little time. No good grower will screen the soil, as was often done a few years ago. Another thing you should be careful of is that you do not handle the soil when it is too wet. Some soils are ruined more quickly in this way than others, especially those of a clayey nature. It should always be in such a state that it will crumble readily. After filling the bench or bed we do not water it until the day before we want to plant, unless it should become powder dry, in which case it may take several waterings to wet it through. Do not make the mistake of planting in a soil that is moist only half way down and dry at the bottom; you could do nothing worse.

I do not believe in encouraging the weeds to come up and pulling them up before planting the carnations. I think that first crop of weeds does more good and less harm than most growers realize. Have you ever noticed a spot here and there where only a few scattering weeds came up and how much quicker a green scum will form over the surface of the soil? What is the reason? It is because

the soil is allowed to lay undisturbed and, from the watering it gets, a pasty crust comes over it, which keeps the air out of it, while the carnation roots are still inactive.

Wherever the weeds and grass come up thickly they keep the soil loose and they take up the properties that by decaying cause the soil to sour. When you pull them up after the carnations have been planted about two to three weeks the roots loosen up the soil to some extent half way down and the carnation roots, having become active again, will have the same effect on the soil as the weed roots had. I believe this is one of the reasons why sterilized soil has not been

the success that was predicted. Of course I do not mean that you should allow these young weeds to grow up and cover the carnation plants, but I am speaking of the good they do up to the time they are large enough to pull readily. After they are about three inches high they become voracious feeders and will soon rob the soil of its plant food, and that is when you want to stop them short.

We have, today, had a fine soaking rain and it will put the carnations in fine condition, even if we do not have much more rain before the middle of July. An occasional shower now and then will be all that is needed.

A. F. J. BAUR.

THE RETAIL

FLORIST.....

BACKGROUNDS AND ACCESSORIES.

A rummage in the well-stocked work-room of a floral decorator would be enjoyed by any artist, for there he ought to see the choicest flower receptacles produced. A small army of baskets of varied character—tall, low, slender, graceful, round, square, coarse, delicate, great and small—should forever dispel a suspicion that these useful and ornamental articles may go out of style. There might be some improvement in coloring of basket materials over what we now have. As it is, the mixed patterns, greens, browns and yellows, are easily procured; but why do not the manufacturers give us more of the rich solid colorings on the body of the basket? Crimson, heliotropes, delf blue and ultra marine ought to be favorably received.

One of the many accomplishments useful in our line of work is the making of Indian baskets. Sizes and shapes of baskets unobtainable on short notice can thus be supplied at home, and some of the designs and colorings are very pretty even for first choice.

We should also be able more easily to obtain baskets finished on the bottom. When one wishes to suspend a basket overhead, it takes some maneuvering to hide a flat or rough outside bottom.

The vase supply need not be so varied as to material nor size as that of the basket, but their capacity needs careful inspection. Narrow-necked vases are more of a nuisance than a help, ordinarily, and they are usually the kind that we are expected to use in decorations at private residences. Their graceful shape becomes an aggravation when the inside proportions are tested. Natural-colored pottery, jugs and pitchers may be utilized for odd studies for display purposes.

Other desirable flower receptacles are china hanging vases, decorated with conventional patterns, and Japanese pockets of china and bamboo. With the latter quaint outline designs can be traced around a window, door or mirror frame, while the stems have the advantage of remaining in water.

Besides accessories for cut flowers and foliage there are numerous helps and settings for plants. In every first-class es-

tablishment will be found jardinières, birch bark, raffia and paper-pot covers, sheet moss, ferneries, pedestals, jardinière stands, and wire or galvanized mantel pans. In grouping plants it is decidedly monotonous to see all the pots covered in the same way, no matter of how fine a quality the material may be. A small proportion of jardinières, a more liberal supply of birch bark or raffia covers, a few crepe paper wrappings, more of sheet moss and some uncovered, is a suggestive way of proportioning the number of pot covers. This recipe is about as definite as the kitchen "pinch of salt," but its very adjustability will add to its convenience.

In addition to the foregoing, useful help will be found in bits of draperies, silk cord, once in a while tulle,—and in the natural materials, Florida moss, bark, gravel, sand, and autumn leaves pressed and varnished.

With some such assortments it is not so difficult to "dress up" for special occasions, but even then there is more or less begging and borrowing to do. For a patriotic occasion or a convention in town, it is both complimentary to the guests and profitable to the dealer to devise a window decoration for the occasion. It is seldom advisable to work out emblems to the smallest details; but select some part or parts that are graceful and suggestive enough not to need a label, and then give it a good setting and bring in the business end in a prominent place.

For instance, we entertained in our town, once upon a time, the state D. A. R. convention. Their badge is the wheel of a spinning wheel and a distaff with encircling band,—suggestive, of course, of the employment of the Revolutionary dames. Borrowing a complete spinning wheel, we gave it the place of honor in the window on a bed of blue cornflowers, and on the cross-beam of the frame set a generous bunch of white peas and Sprenger, training the long sprays through the spokes and away up in among the flax on the distaff. Banked up behind and around was the usual stock of palms and ferns for out-of-town trade. The members of the convention in their carriage ride through the city changed their route to pass our window,

and also deposited some pin money with us before they left. The public is not always the cold-hearted, unappreciative person for which it gets credit.

A tent among the palms and jasmines was used effectively for some G. A. R. celebration. Another excellent opportunity for a good display was the meeting of the National Grain Dealers' Association. A shock of corn formed a background in the window. In the far corner was a shock of oats just as it stood in the field. But hidden in the heart was a prosy paper vase filled with American Beauties, which peeped out here and there through the hanging grain. The floor of the window was covered with autumn leaves, and over these and between the shocks of grain were the plants and flowers offered for sale. The grain dealers bought. This same design would be suitable for a Harvest Home or Thanksgiving occasion.

If no such opportunities are offered for complimentary displays, current events, local and world-wide, could be presented. Read like a caricaturist and there will be more material at hand than can be used. Or the seasons could be represented. Here is a scheme for winter: Have some fancy evergreens and display them with their natural settings,—cones and pine needles. Then for a vase gather up some patches of mosses that grow around the hydrants and under the benches, and have a few lycopodium ferneries filled for sale. Finish with lycopodium draperies. For a summer scene have a miniature lake with pond lilies, and a birch bark canoe filled with small flowers hauled up on the beach, or a few fishing-rods with a china hanger in camp-kettle style. Drape a fish-net with some vines over the top.

The first, last and always between law of successful window displays is scrupulous cleanliness. Dusty plants are unattractive, no matter what their fine points are. Another requisite is frequent and complete changing. A window full of one kind of plants is a good aid to sales with an advertised announcement. Speaking of advertising, it pays better to cut out program, club directory, year book and all such hold-up advertisements, and invest the same amount of money in a good window and liberal spaces in the best newspapers. Keep in mind that one element of the artistic is the striking, which in its best sense is by no means unnatural or vulgar.

Several grades of heavy wire are a great help for large bunches of flowers, extra basket handles, etc. A bronzing outfit with silver, green, gold and copper paints is very convenient. Wire frames, plant stands and brackets need freshening once in a while. The ready-mixed bronze paints are not as satisfactory nor economical as what can be mixed with the dry paint and liquid in bulk.

A large mounted mirror is a most useful adjunct, as well as a few table mirrors. Their rent in decorations will after a while pay for their cost. They will last for years with careful handling and protection from direct sun rays.

The ability to draw free-hand is more than helpful. In planning a decoration with a customer, illustrate if possible. The average imagination is not stretchable beyond the visual angle. "What it will look like" in black and white may gain the job. A few photos of your best work will demonstrate your abilities,

but a customer likes something designed for her special benefit. Put in the spare moments getting a few new schemes ready. A small blackboard is as good an investment as a box of paints. After getting started new ideas will develop. The more one does the more he is able to do, and the more quickly he can call his powers into use. There is no danger of exhausting one's resources. Draw out your plans even if you feel obliged to apologize for the crude draft.

All these helps cannot be picked up at once nor can the attainments be developed quickly, but it is here a piece and there a piece, for a good stock of accessories accumulates, like experience, only with the years.

GERTRUDE BLAIR.

JOHN F. WILCOX.

We have pleasure in presenting herewith a portrait of Mr. John F. Wilcox, Council Bluffs, Ia., who has a host of friends in the trade and whose immense range of glass is undoubtedly the largest in the country west of Chicago.

Mr. Wilcox was born Feb. 3, 1864, on a farm in Wisconsin, and his parents were not blessed with a large amount of worldly goods. At the age of 9 years he started to work for other people on the farm and continued until he was 13. His parents were then living in Darlington, a small Wisconsin town, and as they were still in poor circumstances, he went home and for three years helped to support them by grubbing out trees and chopping them into cord wood and sawing wood around town. He has related that he walked five miles night and morning to get to his work and many times ate a frozen dinner.

At the age of 16 he went to Iowa and entered the employ of L. A. Casper, Council Bluffs, at \$15.00 per month. Mr. Casper was then in the vegetable growing business, but he later on started growing cut flowers. Mr. Wilcox was here but a short time before he was made foreman and continued in this position about seven years. He married in 1885. He and Mr. Casper finally bought a small tract of land just outside the city and they became equal partners in the vegetable business, Mr. Casper devoting the major part of his time to the florist business. Later Mr. Wilcox bought Mr. Casper's interest and became sole proprietor.

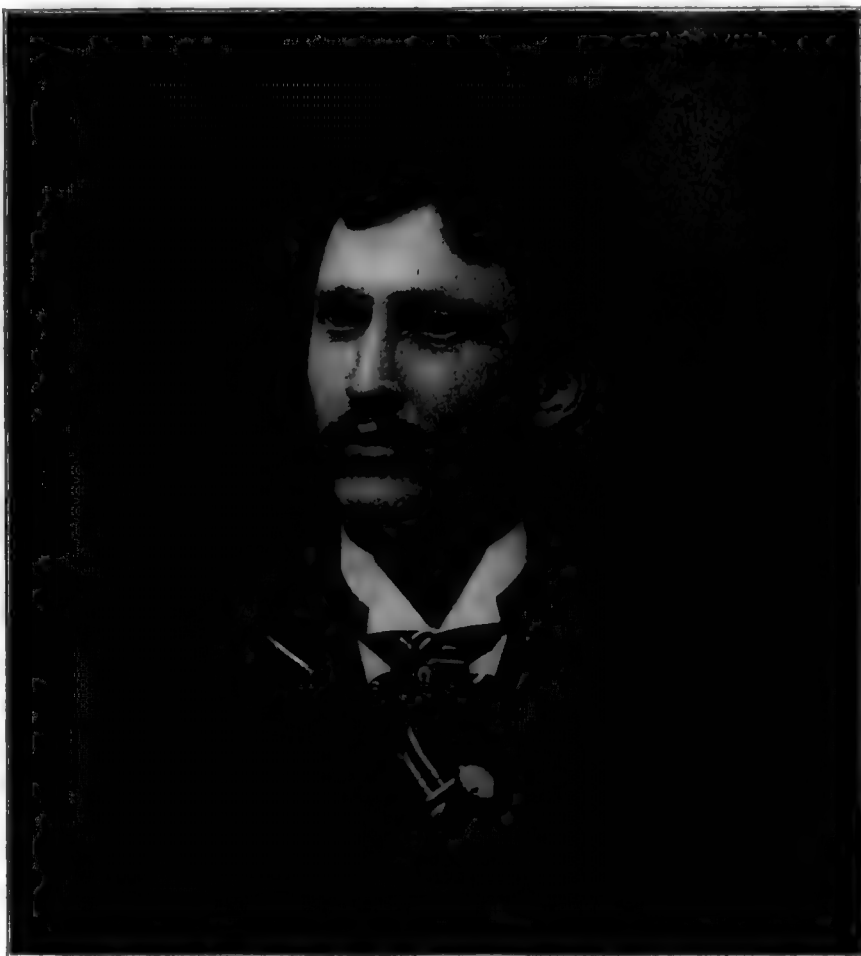
To accomplish this Mr. Wilcox worked almost day and night, personally supervising everything and getting up at one, two and three o'clock in the morning in all kinds of weather and many times not getting to bed again until 11 p. m. He succeeded in paying for the place and a few years later bought Mr. Casper's flower and plant growing establishment.

He now employs from 65 to 125 people and has the largest expanse of glass west of Chicago. He has built a handsome modern residence and is beginning to enjoy the fruits of his rather strenuous life.

He and his charming wife have been frequent attendants at the conventions of the S. A. F., and have quickly made warm friends of all who met them.

PLEASE SEND us an accurate list of those in the trade who receive their mail at your postoffice.

THE easiest way for the man who buys is the cheapest way to advertise. THE REVIEW's classified ads.



John F. Wilcox.

POT CULTURE OF MIGNONETTE.

To grow this plant in pots with success requires much more care and study than if it is planted in the bench, as along with its cramped root quarters it has the same insect enemies and diseases to contend with. The roots are also very sensitive to the fluctuations of temperature to which their position in the pot exposes them; consequently, owing to our extremes of cold and bright sunshine, it is rare to see a really well grown specimen in a commercial place in this country. A few florists in private places produce some handsome specimens, but as a rule these florists are of the imported variety.

Among commercial growers in Europe, and especially in England, this is one of the best selling and most remunerative of winter blooming plants, and is grown in large quantities. No doubt it will some time become a favorite here also, as with its bright, shining foliage and delicately fragrant blossoms, and its adaptability to window culture, there are few of our greenhouse plants that can compare with it and in its class it has no rival.

I will endeavor to give a resumé of the most successful method of treating this annual as a pot plant, which if followed closely will give good results.

The first and most important part is in the selection of suitable seed from a recognized good strain, as all the care that can be bestowed on an inferior strain is simply thrown away. Every grower who makes the culture of these plants equally important and is prepared to give them as much of his attention and skill as he does his cyclamens and primroses, usually has his own favorite strain, which he tries to improve year after year by carefully selecting and gathering the seed from those plants which have a good habit of growth and are free bloomers.

The capsules on the lower half of the flower spike usually contain the most perfect and best ripened seed. These should be gathered before they are perfectly ripe, as they shed the seed very easily, and put into a paper box without any covering and stored in a place where there is no danger of dampness.

For plants to bloom during the winter the seed should be sown early in July. Well drained 2-inch standard pots are large enough to sow the seed in, as to be successful with this plant the roots of the seedlings should never be disturbed in the slightest.

The soil most suited for seedlings is composed of two parts fibry loam and one part decomposed leaf mold, with an addition of clean sand in the proportion of one-eighth of the entire bulk. This compost should be made fine by passing it through a half-inch screen. The pots should then be filled flush and packed firm. Make a slight depression in the center of each pot and place in each five or six good sized seeds, and cover to the depth of about four times the size of the seeds.

To keep the pots from drying out too quickly they should be plunged in moss or some such substance and placed in a deep frame facing the north, and carefully protected from heavy rains. As soon as the seedlings begin to form the character leaf the strongest one in each pot should be selected and the rest pulled out. After a few days they should be repotted into 2½-inch pots, using the same kind of compost with an addition of about a sixteenth part of finely sifted, well decomposed cow manure.

During all the growing period it is best to keep these plants away from the direct rays of the mid-day sun, as this has a tendency to ripen the foliage and stem, which will surely ruin them. When the plants have acquired eight or ten leaves it is time to begin training. This

is done by merely nipping out the tip of the growth; pinching off three or more eyes will cause a stuntedness from which they rarely recover. Care should be taken that they never approach being pot bound, as this will cause premature and imperfect blooms.

During the first week of September they should be moved inside, as if they are allowed to remain outside till frost compels their removal and are then subjected to artificial heat, they are liable to drop their foliage. A house with a temperature of 55 degrees is just the temperature suited.

To have some of these specimens in bloom in November the stopping will have to be discontinued before October, but the best specimens are those which have been trained up to the middle of November. If properly trained and cared for these plants will continue to bloom until hot weather commences again.

In England they grow these plants on single stems and keep them growing and blooming for five or six years, entirely changing the character of the plant from an annual herb to that of an apparently hard-wooded shrub. In a future article I will endeavor to describe exactly how this is done.

RIBES.

THE HOLLAND BULBS.

BY HENRY F. MICHELL, OF PHILADELPHIA.

Read before the convention of the American Seed Trade Association at Atlantic City, N. J., June 23 to 25, 1903:

You are all aware that the trade in Holland on Dutch bulbs is constantly on the increase, caused by the gorgeous displays which can be had during the winter and spring with very little outlay of money and the ease of cultivation. I will endeavor in this paper to make only rambling remarks as they come before me, as I have been too much occupied to prepare a more complete essay.

I shall start with tulips, the gorgeous beauties, and mention herewith the choicest sorts which are rather high in price as yet, but are well worth the price.

Albion, or White Hawk.—The finest pure white variety in cultivation, either for bedding or for forcing, produces a very large snow white flower of great substance. It is a good keeper; the flowers remain perfect longer than any other white tulip and stand handling and shipping without danger of bruising.

Couleur de Cardinal.—This variety is considered to be the choicest bronzy scarlet sort, produces heavy petaled flowers on long stems. Good prices can always be had and a ready market is sure if the true variety is grown.

Le Matelas.—Another exhibition flower, very large pink bloom, edged with white.

Mon. Tresor.—A fine large, golden yellow specimen, especially adapted for forcing because it blooms quite early.

Rose Applatie.—Beautiful light pink flower, perfect shape, quite the rage in London and Paris, a good forcer.

The above are just a few of which I make special note. You are all aware of the best standard sorts, so that I will make no remarks about them. The up-to-date bulb importer has them all listed and described in his catalogue. I wish to state here that it is very important if you want La Reine tulips for forcing to be pure white in color, the bulbs must have been grown in sandy soil. La Reine tulip bulbs grown in heavy soil are liable to have green tips when forced. For outside planting it does not matter much where grown.

Parrot Tulips.—It is important that only large bulbs should be ordered, which can be depended upon to produce about 80 per cent to bloom. Small parrot tulip bulbs will bloom only from 50 to 60 per cent. Good flowers of parrot tulips bring high prices. They can be forced moderately to bloom in March and April.

Late flowering single tulips should be more extensively planted in this country. In London, Paris, Berlin, Vienna and other large European cities great quantities are used. The display of color in this class is marvelous. The most showy and satisfactory sorts are:

Bouton de Or, golden yellow, a perfect, beautiful flower of great substance, makes an elegant cut flower because after it is cut and placed in water it lasts nearly a week in prime condition.

Another handsome show tulip of the late flowering class is Grand Gesmeriana Spathulata, a dazzling scarlet, with a rich violet center, mammoth in size, favorably comparing with the Oriental scarlet poppy.

One of the daintiest in color is Picotee, some-

times called Maiden's Blush, a white flower with distinct pink border.

For a handsome mixture in late flowering tulips the Bizarres and Bybloemens contain every imaginable color of the rainbow. Recommend the late tulips to your customers, informing them at the same time that they bloom considerably later than the earlier, but still early enough to be done blooming before summer plants are planted in their beds. An important fact to remember in all late tulips especially, is to order and insist on strictly first size bulbs, as smaller bulbs frequently do not bloom.

I shall now say a few words about the favorite, well known hyacinths. Hyacinth bulbs in Holland are grown on land which has been heavily manured in the spring. Pure cow manure is used for this purpose. A crop of potatoes is grown on this land in order to take certain ingredients out of the manure which may harm the hyacinths. In August, after the potatoes are taken up, this land is carefully dug and the manure which is now thoroughly decomposed, is placed at such a depth that the roots of the hyacinth can easily reach it for their food. After the hyacinths are once grown on this land, it cannot be used to advantage for three years to grow hyacinths. As a rule tulips are grown on the ground where hyacinths have been grown the previous year. The ground is sufficiently rich for tulips, which do not require such rich soil. After a crop of tulips is grown on that land it is followed with narcissi or crocuses. After the third year, it is ready again for hyacinths, but the ground is dug quite deep and the sub soil or sand is dug to the surface.

The method used for the propagation of hyacinths is to cut the old, large bulbs at the bottom into three divisions, or scooped out. It takes from three to five years for the small bulbets produced from the parent bulb to become of age and sent out as first size bulbs. The scooping method produces the most bulbets, as many as 40 from each parent bulb.

One of the greatest difficulties in growing hyacinths is to guard against the diseases which the hyacinth is subject to. Three different diseases attack it. The black and white diseases affect the bulbs; the yellow disease affects the foliage first, then penetrates to the bulbs. Great care and constant watching are needed to prevent these diseases from spreading. Every careful, reliable bulb grower watches these pests hourly and as soon as any bulb shows signs of disease, it is immediately removed, and often the surrounding bulbs as well.

Hyacinths grown on pure, rich, sandy soil are the best. This special ground is very expensive in Holland and sells for more money than city property. The reason that Holland is better adapted for growing perfect bulbs than any other place so far discovered, is on account of the perfect drainage of the ground. Whether there is an excessive rainfall or drought for weeks at a time, the water is kept almost at the same height constantly by either having the surplus water pumped out, or let in through the dikes. All the beds are laid out in perfect squares of about 100 feet, surrounded constantly by water.

One of the queer and confusing features of the hyacinths is that a number of evidently different varieties bear the same name, but come in different colors. For instance, the Baron Van Tuyll comes in red, white and blue. The original Baron Van Tuyll was a blue hyacinth; the other two colors are sports from the blue. La Grandesse is the handsomest hyacinth of all, a most perfect, mammoth pure white spike, single flowers. There is now, however, a double La Grandesse, which is quite expensive as yet, but it will be bought, nevertheless, by hyacinth fanciers. Another hyacinth of extraordinary merit for forcing is the Koh-i-Noor, large, perfect, semi-double, rich pink spike. This will be one of the leaders for prizes.

There is such a great number of perfect spiked varieties now to be had, and all listed in the leading catalogues, that I will not go into more details or descriptions. I forgot to state that the General Society of Bulb Growers in Holland is now proceeding to have a better nomenclature in bulbs by giving each new offspring or sport a distinct name. Let us hope that they will soon alter the names of the red, white and blues in Baron Van Tuyll, Chas. Dickens, etc., and prevent a great many mistakes, which probably occur in this confusion of colors in the same name.

The demand for narcissi is certainly enormous in all the classes, both the hardy as well as the forcing or Paper White grandiflora types. As an example of the constantly increasing demand for hardy narcissi, one of our customers ordered of us 200,000 bulbs for outside planting.

When you want the proper double daffodil, Von Slon, for forcing purposes, be sure and secure the Talemionus Plenus variety. This is a beautiful double, cup-shaped flower and very seldom shows any green ribs or tips. Narcissi, especially the Horsfieldii variety, should be planted, if possible, as soon as they are received in September. Early planting of all narcissi is advisable to secure large blooms.

There is such a great variety of bulbs now in cultivation and on the market that I will not dare to speak any longer. One item, however, is of great importance and that is the Spiraea Gladstone. This is the champion of all spiraeas, produces immense plants if grown in 8 or 9-inch pots.

I will close by giving a list of the best standard satisfactory varieties according to my experience, and which will always give the best results, as follows:

DUTCH ROMAN HYACINTHS.

Chas. Dickens, Gigantea, Gertrude, Moreno, pink; La Grandesse, Mme. Van der Hoop, L'Innocence, white; Czar Peter, Grand Maitre, Queen of the Blues, blue.

NAMED SINGLE HYACINTHS.

Roi des Belges, Von Schiller, Queen of Hyacinths, red; Baron Van Tuyll, Cavaignac, Chas. Dickens, Gertrude, Gigantea, Lord Macauley, Moreno, Rosa Maxima, pink; Albertine, British Queen, La Grandesse, L'Innocence, Mme. Van der Hoop, white; Captain Boyton, Czar Peter, Enchantress, Lord Derby, light blue; Chas. Dickens, Grand Maitre, King of the Blues, Queen of the Blues, deep blue; Ida, King of the Yellows, yellow.

DOUBLE HYACINTHS.

Bouquet Tendre, red; Koh-i-Noor, Lord Wellington, pink; Isabella, La Grandesse, La Tour de Auvergne, white; Blocksberg, light blue; Chas. Dickens, deep blue; Minerva, yellow.

EARLY TULIPS.

Belle Alliance, Couleur de Cardinal, Pottebakker, Scarlet Vermilion, Brilliant, scarlet and red; Chrysolora, Gold Finch, King of the Yellows, Ophir d'Or, Mon. Tresor, Yellow Pottebakker, Yellow Prince, yellow; White Hawk or Albion, Duc van Tholl Maximus, La Reine, Nelly Pottebakker, White Swan, white; Cottage Maid, Proserpine, Rose Griselin, Rose Applatie, Rose Luisante, pink; Grootmeester Von Malta, Joost van Vondel, Keizerskroon, Standard Silver, variegated; Prince of Austria, Thomas Moore, orange; Wouwerman, violet, for outdoors only.

DOUBLE EARLY TULIPS.

Couronne de Or, yellow, valuable especially for forcing; Imperator Rubrum, scarlet; La Candeur, white; Murillo, pink, especially for forcing; Salvator Rose, pink, especially for forcing; Tournesol, red and yellow.

Yellow Prince, with variegated foliage.

PHILADELPHIA.

The Market.

Business continues very fair for the season, though it is not quite so brisk as last week. Flowers are a little more plentiful and prices easier. Choice stock finds ready sale at high prices. Really good Beauties are very scarce and bring more than during the first half of the month. Carnations are also higher, especially white varieties, which average about 50 cents per 100 more than the colored. Sweet peas are very plentiful and immense quantities are sold. Valley moves fairly well. Leo Niessen received 4,000 one day last week. A good deal of smilax has been shipped out of town. Harrisii lilies are pretty nearly done. They have proved better stock this month than even at Easter, though the demand is, of course, limited.

A Visit to Wyncote.

A perfect day, a beautiful walk after leaving the trolleys, a cordial welcome of the genial, whole-souled kind, and a lot of well grown stuff combined to make a visit to Wyncote very pleasant. So much more time was spent in talking than in making notes that when my hour was up I ventured to ask for an idea or two to fill out, but my host thought that was shirking and told a story to illustrate his point. It is not a long story and he tells it well. If you ever feel like shirking your work or putting it on somebody else while you take it easy, just get Mr. Heacock to tell you that story and you will take off your coat and pitch in again like a good fellow.

June is usually the month of apologies from the growers who are unlucky enough to have visitors. The old stuff looks rough; the young stuff looks small; repairs are under way; everything is out of gear. This was not the case at Wyncote. Plants are in flourishing condition and the place looks well generally. Joseph Heacock has always been known as a grower of fine roses and a few other cut flowers, chiefly car-



The Private Greenhouses of Geo. M. Laughlin, East Liberty, Pa. Designed and Erected by Lord & Burnham Co.

nations and "cyps." Palms have grown and grown with him until today he has even more palms than roses on his immense place. These palms are almost entirely made up of three varieties, *Areca lutescens*, *Kentia Forsteriana* and *K. Belmoreana*. The demand for specimen plants of large size has cleaned up pretty much everything over 8-inch. In 8-inch pots there are a fine lot of arecas, nice bushy plants, growing well. Two hundred of this size of areca were to leave two days after, but these would not be seriously missed among so many. The arecas in 6-inch pots were also fine; 400 of this size had just left. The foliage all through was of a deep, rich green. In kentias there were shapely madeup as well as single plants. *Kentia Forsteriana* in 7-inch pots were especially well done. The north side houses devoted to seedlings are worth seeing—arecas in thumb pots and kentias in the bench, so thick that their condition of perfect health made you wonder.

The roses were nearly all replanted; by this time the work must be finished. The majority of the houses are in Beauties, with one each of Liberty, Bridesmaid and Bride. All are strong stuff from 4-inch pots, the earlier planted houses breaking nicely. One and a fraction houses of Beauties in ground beds will be carried over. The cut of Beauties during May has been phenomenally heavy, the special grade being numerous. Fully 20,000 young Beauty plants have been sold this season.

Various Notes.

The trip to Morrisville last week proved delightful. A member of the party spoke in glowing terms of Mr. Moon's hospitality and of the interesting trip through the nursery. Mr. Moon gave a very interesting account of the experience of the past fifty years, the business having been established by his father in the early fifties.

William L. Walton, of Oxford, Pa., is bringing in some fine Prosperity and Portia to the Flower Market.

Miss Mary C. Henrici and William Reynolds were married Tuesday evening, June 23. After a very pretty ceremony an elaborate wedding supper was served, in which many of the retailers and wholesalers were participants. Amid

groom left that evening for a month's honeymoon at Hightstown, N. J. Mr. Reynolds is with E. Bernheimer. "Billy," we all wish you many years of happiness.

Cut Crimson Ramblers sold well on Thursday of last week, a church holiday using lots of these flowers.

Thomas Foulds is much sought after these days on account of the white *petunia* flowers he carries.

J. J. Habermehl's Sons had a big job in New York in which they used some very choice stock. Some choice orchids found their way to this place.

Frank W. Whiteley is a gentleman of leisure these days, but he does not forget to visit his old friends once a week.

Tearing out and replanting is in full swing just now and there will be several more houses of Liberty planted next year. John Stephenson's Sons, Oak Lane, will have a house of this variety next season.

J. Wolff, Jr., has been busy with weddings and decorations, of which he makes a specialty. He is well equipped for this work, having a large stock of decorative plants at his Sedgely avenue place.

Mrs. Edgar, of 2307 Ridge avenue, had a very good spring trade. She was unfortunate in having had an attack of typhoid fever earlier in the season, but has now entirely recovered.

Albert Woltemate has almost finished his planting out. He has sold a great many crotons this year and says that he is cleaned out nicely of all salable stock.

E. A. Hutchinson is building a new carnation house, 20x50, at Oxford. Mr. Hutchinson is a beginner who wishes to experiment before regularly embarking in the business.

Robert Gaul, cousin of the manager of the Century Flower Shop, and Max Janow, late with William J. Moore, form the new pony battery of the Flower Market.

Edward Reid lost a valuable hunting dog. After one week of advertising (not in the REVIEW) and fruitless search John McIntyre did some clever detective work, locating the dog on South Broad street and following him to the home of his temporary master. A raid on front and back entrances simultaneously resulted in restoring the lost canine to its rightful owner.

John I. Heibeck, of Oxford, Pa., is tearing down the greenhouses on a property

lately acquired, with the intention of rebuilding in more substantial style.

Bowling.

The third series of games for places on the team to represent this city in Milwaukee took place on the Unique alleys last week. Wm. Stevens was unable to participate. The following are the scores of the other seventeen competitors and the points won to date:

Player.	1st.	2d.	3d.	Points.
Moss	171	190	190	8
Gibson	145	170	135	4
Adelberger	143	184	172	5
Watson	134	152	125	3
Harris	180	172	149	3
Westcott	114	99	146	0
Robinson	148	155	179	4
Craig	137	116	157	1/2
Moore	117	187	154	2 1/2
Yates	160	160	171	7
Habermehl	198	119	134	3
Baker	158	139	135	2
Kift	163	135	171	4
Falck	135	160	177	3
Connor	145	144	172	4
Dunlap	194	161	157	3
Polites	165	168	141	7

PHIL.

NEW YORK.

Picnic Plans.

The "good old summer time" is still off the track somewhere and the weather for three weeks has been a disgrace to itself and a menace to humanity. Not content with eight weeks of drought, we have been literally swamped with three weeks of rain. Weather prophets now predict a change with the moon on Thursday and a 90 degree temperature thereafter. In any event, we must have fine weather on July 1, for the club's outing will be the greatest gathering in its recreating history. The demand for tickets is great, Mr. Traendly says, and he is far in advance of last seasons' record at the same date. Whole families are going, and while moderation in all things will prevail, it is now an assured fact that the boat will be full. Some idea of the numbers may be gathered by the knowledge that J. Reimel, of Woodhaven, has sent for eight tickets, and Louis Schmutz, of Flatbush, for six, while many of the club members have purchased four or more, and about every active or prominent member will be there. The athletic part of the day is well attended to. In addition to the splendid prizes already announced, Chas. Schenck will give a

consolation prize of a handsome parasol for a girl's race, under ten, to be competed for by all who failed to win in the other races. And gallant David Mellis has offered two prizes for a married ladies' fifty-yard dash, that should furnish the most exciting minute of the afternoon. Don't forget the date—next Wednesday, July 1—and don't miss the boat, which leaves promptly at 9:30.

Convention Suggestions.

J. S. Wilson, of Western Springs, Ill., arrived in the city Monday and will have a week of much needed rest here and in Boston and Philadelphia. He is doing some fine missionary work for the Milwaukee convention and predicts a great attendance. That \$1,500 generous provision by the Chicago florists for the entertainment of visiting conventionists is much commented on and greatly appreciated by the eastern contingent. New York hopes to arrive in Chicago on the Monday preceding the convention, with a special train load of 100, loaded with enthusiasm and ready for a western welcome. Now that the convention is less than eight weeks distant, we hear it discussed frequently and a great many are arranging for the delightful trip and the happy yearly reunion, which once enjoyed, possesses a fascination which is difficult to resist. We rather expect to have Milwaukee have the record for attendance when the noses are counted at White Fish Bay. A great many express a desire for a musical and literary evening following the president's reception, the program to be made up from the ranks of the visiting florists. There is no arrangement that could draw so potently and interest so many, and Vice-President Pollworth would make an ideal manager for such an innovation.

The bowling practice goes merrily on. The New York club will doubtless have a great team with Lang, Traendly, O'Mara, Raynor, Burns, Siebrecht and Haffner to draw from; while Flatbush with the Daillidouze brothers, Riley, Irwin, Thielmann, Zeller, Schmutz and Mellis on hand will do itself justice. Riley has been averaging 200 lately, and last Thursday led the club with a score of 234.

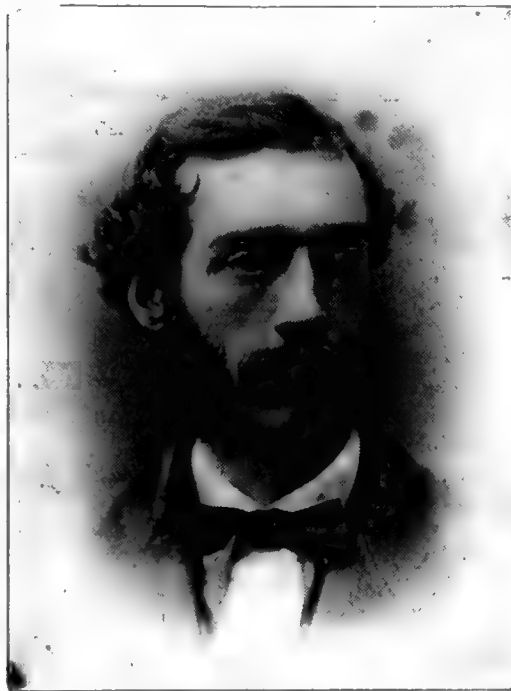
Death of Jas. W. McGarrett.

Jas. W. McGarrett died June 11 at his home in New York City, of a complication of diseases, after an illness of over a year's duration. Mr. McGarrett was one of the oldest members of the trade in New York city, his first employment commencing with Bridgeman & Co. In the early '60s he was a member of the national guard and during the civil war patriotically responded to the government's call for volunteers, participating in the battle of Gettysburg and in other active service both with the 12th and 84th regiments, S. N. G. of N. Y. After his return home Mr. McGarrett served many years among the trade in New York, having been with the late Walter Reid for 18 years and with Riddock & Co. for many years. His last employment was at J. W. Hauser's, on Madison avenue, where he remained for ten years, until the time of his last illness. He had also been a respected employee of Chas. Thorley and Alex. McConnell. Mr. McGarrett was held in high esteem by all, especially in the trade, where he was well known. He was of strong character, conscientious in the discharge of his duties, never swerving from what was considered just and right and faithful to all

trusts. He leaves a widow, four sons and four daughters. One son, George, is bookkeeper with Alex. McConnell.

Among the Growers.

A trip over the acres of nursery and through the many greenhouses of Bobbink & Atkins, at Kutherford, the day before Mr. Atkins sailed for his annual trip to Europe, demonstrated the remarkable rate of growth of this firm in the past four years. Three new greenhouses 130 feet long are being built this season for decorative stock, and several houses are filled with large and medium sizes of kentias. There are bay trees in all sizes and thousands of them, evergreens and conifers in tubs and baskets, box, weeping trees, blue spruces, rhododendrons, herbaceous plants innumerable,



Jas. W. McGarrett.

over 150 varieties of tree peonies and 300 specimens of topiary work, of this latter novelty the largest importation ever brought to America. Much shipping is still going on, notwithstanding the nearness of the end of the season. The rains came just in time to safely establish the immense plantings of the firm.

A. Schultheis, whose plant at College Point consists of thirty houses, is building three more 25x125 to be devoted entirely to ericas, of which fine decorative plant he has an immense stock, including all the best varieties. He has added 10 acres of valuable ground to his premises this year and has just closed one of the best seasons in his career. He has ten houses devoted entirely to kentias and a fine lot of pandanus, latanias and arecas of all sizes. His grounds are laid out with much taste, a fine hedge of Crimson Ramblers being especially noticeable. The Ramblers, Dorothy Perkins, etc., are all plunged in pots and can be shipped at any time with safety.

While Julius Roehrs, pere, is in Europe, which will be until October, Julius Roehrs, fils, has assumed the responsibility of the immense plant at Carlton Hill, where quality and quantity have served to make a national reputation. Five new houses are in process of construction and constant repairs keep the great plant up to date in all respects. The latest importation of orchids, over 10,000 plants, largely cattleyas, includes some

grand specimens. The demand for these plants has far exceeded expectations. Mr. Roehrs will have a fine exhibit at the convention, although unable to be present personally. He has a fine stock of Piersoni and Anna Foster, Phoenix cahariensis, Cibotium Schiedeii, dracenas, Farleyense, cocos, livistonas and bays, all in perfect shape.

Personal and Trade Notes.

Retailers report the usual results of bad weather, and aside from steamer trade and an occasional funeral order there is nothing doing.

The President can no longer make reflections on the family question to John Young's genial salesman, Mr. Hildebrand. It is a boy and all's well.

The days of auction opportunities are going fast. The end comes the last of the month and Mr. Elliott will celebrate the close of a great season at the July outing. He has had the field entirely to himself.

John Kral is at Portchester enjoying an early vacation. In the meantime Mr. Nash, of Moore, Hentz & Nash, finds the burden of his absence demonstrative of his abilities.

R. Vincent, Jr., and Mrs. Vincent, of White Marsh, Md., sailed for Europe Tuesday. Wm. Scott, of Tarrytown, sailed for Scotland Saturday.

Rudolph Asmus will soon move to Bogota, N. J., having sold his New Durham, N. J., plant to Herman Schoelzel, of Union Hill. Mr. Asmus has rounded out nearly forty years of horticultural experience and well deserves the competence and rest which have crowned his labors.

Last week the United States Cut Flower Co., of New York City, was incorporated at Albany, with D. Wolf Weaver, G. C. St. John and A. H. Mattox as directors. Some weeks ago the daily press, you will remember, announced a scheme whereby branches of some such organization would be placed in many of the large cities of the country. It is possible this is the consummation of that prediction. There is no limit to the ambition of some florists, and the wonderful part of the ambition is that it has generally culminated in practical success.

Messrs. Stumpp, of the Stumpp & Walter Co., and Henry, of Henry & Lee, start on Friday for Bermuda. B. Suzuki left for Japan Friday. Mr. Kenyon, of the Elizabeth Nursery Co., leaves this week for Europe, and Fred Atkins, of Bobbink & Atkins, starts this week Wednesday for a ten weeks' business trip, visiting France, Holland and Belgium before his return in September.

J. AUSTIN SHAW.

ALTHOUGH I am a busy man I always take time to view the REVIEW, and I always find something to interest me.—F. J. FILLMORE, St. Louis, Mo.

YOU CAN sell your surplus stock quickly and economically by offering same in the REVIEW's classified ads.

PLEASE STOP the advertisements in the REVIEW. It's all right selling what's on hand, but a fellow wants to kick himself when orders come in and he hasn't any plants left. I will have something else to offer in a few weeks.—AUGUST BECKER, Columbia, S. C.

I COULD not get along without the REVIEW.—WM. HIGH, Purcell, I. T.

Choice Roses....

WE have large cuts of Brides and Maids now on and the best shipping stock the market affords. Plenty peonies. A 1 carnations and valley, peas, smilax and asparagus to meet all requirements. Let us have your order. "Right Goods at Right Prices."

E. C. AMLING,

The Largest, Best Equipped and Most Centrally Located
Wholesale Cut Flower house in Chicago.

32-34-36 Randolph St.,
Long Distance Telephones 1999 and 1977 Central.

Chicago, Ill.

AMERICAN BEAUTY.		Per doz.
30-36-inch stem.....		\$3.00
24-inch stem.....		2.00
20-inch stem.....		1.25
15-inch stem.....		1.00
12-inch stem.....		.75
Short stem.....		\$4.00 to \$5.00 per 100
		Per 100
Brides and Maids.....		\$3.00 to \$6.00
Meteors and Gates.....		3.00 to 6.00
Kaiserins.....		3.00 to 8.00
Carnations.....		1.00 to 1.50
large and fancies.....		2.00 to 3.00
Mignonette, doz., 25c to 35c.		
Harrisil.....		\$1.25 to \$1.50
Sweet Peas.....		.75 to 1.00
Valley.....		4 00
Peonies.....		.75c to \$1.00 per doz.
Marguerites.....		.75 to 1.00
Asparagus... per string, 50c.		
Asparagus Sprengerl.....		2.00 to 5.00
Ferns...per 1000, \$2.50.....		.25
Galax.....		1.25..... .15
Adiantum.....		1.00
Smilax.....		per doz., \$1.50

Subject to change without notice.

SALEM, IND.—O. P. Fordyce has sold his place and left town and the greenhouses will be torn down.

IN L. H. Foster's advertisement last week the price of small Boston ferns should have been \$40.00 per 1,000.

WANT ADVERTISEMENTS.

Advertisements under this head one cent a word, cash with order. Plant advertisements not admitted under this head.

Every subscriber is entitled to a free advertisement not exceeding 35 words in any one issue desired during the year. If the advertisement exceeds 35 words, send at the rate of one cent for each additional word.

WANTED—Two good men for general greenhouse work. Only sober, reliable and industrious men need apply. Address Hoffmeister Floral Co., 813 Elm St., Cincinnati, Ohio.

WANTED—A good experienced grower to take half interest in florist and market garden place, central Massachusetts. 7,10 feet glass. 25 acres land, fine retail trade; easy payments. Address No. 122, care Florists' Review, Chicago.

SITUATION WANTED—By competent hand, married, no children; can build or repair any part of greenhouses; understand growing of flowers, bedding stock or vegetables including mushrooms. Industrious, no bad habits, thorough business man. References indisputable. Address No. 119, care Florists' Review, Chicago.

WANTED—Second hand hot water boiler and pipe to heat 2 houses 16x70 and 12x75, 60 degrees. J. F. Sked, Westerville, Ohio.

SITUATION WANTED—By two sober, industrious young florists with reliable party where good help is properly treated. Experienced in roses, carnations, etc.; also in greenhouse building. Will make themselves valuable to good employer. Address W. R. D., 158 Lawrence St., Cleveland, O.

SITUATION WANTED—By a middle aged German, life experience in cut flowers and pot plants. Please state wages. No. 118, care Florists' Review, Chicago.

FOR SALE OR LEASE—3 1-7 acres land, two miles from center of Columbus, Ohio, with three greenhouses—2,400 feet glass—steam heating, good watering facilities and stable. Plant well stocked with 6,000 carnations, 1,000 chrysanthemums and garden truck, offered either separately or with plant. Address Mrs. Harriet C. Salter, 368 King Ave., Columbus, Ohio.

FOR SALE—Greenhouses stocked; dwelling, about 4 acres ground; no competition. Good chance and will sell cheap on account of sickness. Address S. L. Harper, Mechanicsburg, O.

SITUATION WANTED—By sober industrious man of 43, wife and one child, to take charge of small garden farm and greenhouse, on salary or shares. Must be within five miles of good market. Twenty years' experience. Address Practical Gardener, Hazel, Allegheny county, Pa.

FOR SALE—No. 8 Furman hot water boiler in good order. Is heating 8,000 feet glass. Make cash offer, F. O. B. East Aurora, N. Y. Wise 1908.

FOR SALE—Bolton hot water boiler. Will heat 1,500 feet of glass; in shape: a bargain for \$35.00. D. Kleinhans, Ithaca, Mich.

WANTED—At once, man to take charge (under foreman) of 15,000 feet of glass, growing carnations, mums, palms ferns, bulb stuff, bedding plants, etc. Permanent position and good salary to thoroughly good man; no other need apply. W. W. Seekins Duluth, Minn.

WANTED—5,000 florists to use our special box label with their name and address printed thereon. Price \$2.00 per 1000 prepaid. Cash with order. Send for sample. In ordering write your name and address plainly to avoid errors. Address Scholl Printing Co., Chillicothe, Ohio.

WANTED—Man who thoroughly understands the florist business and knows the wants of florists in the line of greenhouse supplies; must be able to invest from \$500 to \$300 and be capable of managing. To such a man, \$25.00 per week and part interest. Address No. 120, care Florists' Review, Chicago.

WANTED—To buy greenhouse material or greenhouses complete to take down. Address No. 121, care Florists' Review, Chicago.

WANTED—At once, second-hand hot water boiler to heat greenhouse 100x20 feet, must be in good condition. H. M. Burt, Battle Creek, Mich.

WANTED—Foreman to manage 20,000 sq. feet of glass to grow carnations, mums, Easter bulbs and spring bedding. Must be reliable and strictly sober. Daniel E. Gorman, Williamsport, Pa.

FOR SALE—One Hitchings saddle boiler, No. 3. Has been in use only one winter. A. J. Lantier, 1713 Walton Ave., Fort Wayne, Ind.

SITUATION WANTED—By young man with 8 years' experience in general greenhouse work; 5 years in present place; able to take full charge. Address No. 115, care Florists' Review, Chicago.

SITUATION WANTED—German, single, 15 years' experience in palms, ferns, bedding, stove plants, forcing stock cut flowers, lily of the valley; commercial or private place. Carl Jahn, 1409 West Madison Street, Chicago.

WANTED—A second-hand heater and enough 2-inch pipe for 300 feet of glass. Address A. Gardiner, Waxahachie, Tex.

WANTED—Sober, reliable grower: roses carnations, mums and bedding stock; retail place; state wages expected with board and room. Lewis R. Allen, Murphysboro, Ill.

WANTED—Competent florist in growing A No. 1 carnations, roses and general line of plants; steady employment: wages \$40.00 per month with board and room; increase in wages if parties are suit-d. Apply Missoula Nursery Co. Missoula, Montana

SITUATION WANTED—By first-class cut flower grower as foreman; 12 years' experience; rose as specialty; 8 years with one of the leading cut flower houses of the east; best of references; only first-class place wanted. Address No. 116, care Florists' Review, Chicago.

FOR SALE—Some extra good second-hand 3-in. pipe at 6c per foot; also some 4-in., guaranteed sound. W. H. Salter, Rochester, N. Y.

WANTED—Two young men, A-1 assistants. Pittsburgh Rose & Carnation Co., Crystal Farm, Valencia P. O., Pa.

WANTED—Lightweight 4-inch pipe; cast or wrought iron. W. W. Hendrix, Wiley, Ga.

WANTED—Young single man who can grow roses, carnations and general stock; steady place for right man; state wages with board and room. J. W. Kentz & Son, 335 W. 2nd St., Peru, Ind.

WANTED—Two or three men for carnations and roses. Bassett & Washburn, Hinsdale, Ill.

WANTED—Two good men for general greenhouse work; two helpers in rose section. J. F. Wilcox, Council Bluffs, Iowa.

S. A. F. CONVENTION.

I will take charge of the exhibition of your goods at the S. A. F. Convention to be held at Milwaukee in August. Will give them good and faithful care and take orders if desired. Correspondence solicited. I refer by permission to The Florist's Review and The Joliet National Bank of Joliet, Ill. Address—

C. E. FINLEY, JOLIET, ILL.

75 Boxes ^{16x24} B. D. S. Glass
at \$3.75 per box, F. O. B. Chicago.

Surplus stock from building. Cash must accompany order.

J. A. BUDLONG,

37 Randolph St., CHICAGO.
Mention the Review when you write.

FOR SALE OR RENT.

MODERN GREENHOUSE PLANT

Of 20,000 square feet of glass; potting shed between houses. 20x80 feet; glass 10x15 and 16x24 inches; heated by steam from return tubular boiler. All in good order.

SAMUEL J. BUNTING, Elmwood Av and 58th St., PHILADELPHIA, PA.

EXTRA LOW PRICES.

On boilers and engines to close them out.
One No. 5 Ericsson engine.....\$40.00
One No. 8 Ericsson engine..... 70 00
One No. 10 Ericsson engine..... 80 00
One No. 5 Rider engine..... 65 00
One Clorofic sectional boiler, 900 sq. ft. rad'n 55 00
One Scollay boiler No. 9, invincible, cost new, \$280.00..... 140 00
One Scollay boiler, small No. 2..... 30 00
One Lord & Burnham boiler..... 50 00
One Spence No. 40..... 55 00
One coil boiler, 2,200 sq. ft. radiation..... 60 00
All guaranteed to be in good working order. Boilers taken in exchange.
New 2-inch Pipe, 10c per foot net.
Second-hand 2-inch Pipe, 8c per foot.
Second-hand 1 1/2-inch Pipe, 5 1/2c per foot.
Second-hand 1 1/4-inch Pipe, 4 1/2c per foot.
Second-hand 1-inch Pipe, 3 1/2c per foot.
Second-hand 3/4-inch Pipe, 3c per foot.
3,000 ft. job lot new 3/4-inch hose, \$5.00 per 100 feet, not guaranteed.
New 3/4-inch hose, guaranteed one year for 150 lbs. pressure, 7 1/2c per foot.
Write for prices on all kinds of tools and lumber.

MANHATTAN SUPPLY CO.

440-442 11th Avenue, NEW YORK.
Mention The Review when you write.

CHICAGO.

The Market.

This is generally looked forward to as one of the busiest weeks in the year and, indeed, shipping trade is very heavy, but it is doubtful if the week's record will be anywhere near last year's taking the market as a whole. One of the reasons for this is the scarcity of good roses with which to meet requirements. There are still large receipts of low grade stock, although now and then sees a day with the market pretty bare and Tuesday found Brides hard to get. Beauties are not plentiful and cuts in general will now be light, for replanting will be rushed from this on. Carnations are holding up very well and moving satisfactorily. The cold storage peonies are moving this week and some superb stock is offered at 75c and \$1 a dozen. A. Kennicott said that they still had most of their crop on hand Tuesday night, but figure on moving it all this week. Sweet peas are very abundant and the quality never better. Harrisii is selling steadily if slowly, but candidums are hard to move.

At Wienhoeber's they say that they have had a number of complaints where they sent out peonies fresh from cold storage. They think they must be brought on slowly in a cool room for 24 to 48 hours else they wilt down at once on being put into a customers' home. E. E. Pieser says that peonies from cold storage should be unwrapped by the storekeeper, the stems shortened a half inch, the paper replaced loosely around the bunch and set away in water in a cool, airy place for a day or so, when they will keep equal to stock just cut.

The general report among the better class of retail stores is that June has not been up to last year. There have been some good wedding jobs but the European hejira seems to come earlier every year and this season there has not been the usual call for flowers for commencements in the many private schools about the city and suburbs. Funeral work, too, has run light this month.

C. H. Fisk has been under the weather but is now feeling like himself again. He was in St. Louis for two or three days while the flood was on.

The Glen View Floral Co. has been incorporated by Maurice W. Barnhart, Hans P. Gerhardt and Jas. P. Gascoigne. The capital stock is \$3,000.

Louis Wittbold and family have returned from a two weeks' visit at Wheeling, Ill., Mrs. Wittbold's old home.

Peter Reinberg has had a fine cut of Liberty this month, but next week will throw out the two-year-old plants and begin to dry off the year old stock, so does not expect much for July and August.

The Schramms will each build one more house this season.

The E. F. Winterson Co. report something doing in the supply line. One order this week was for 36 dozen wheat sheaves.

George Reinberg is getting well along with his rebuilding and adding five houses and 700 boxes of French glass are beginning to be anxiously awaited. He has a tremendous field of carnation plants in fine shape.

Peter J. Schumer, whose place adjoins Weiland & Risch, at Evanston, and who has had half his establishment in vegetables, will have twelve 175-foot

houses of carnations next year. Weiland & Risch will market the cut.

Harry Smyth, of Wienhoeber's, is feeling fine. He spent four weeks in the hospital just after Easter recovering from a surgical operation which cured a rupture.

Some of the growers report trouble in rooting cuttings of W. H. Chadwick chrysanthemums.

Bassett & Washburn report this their best June, wholly out of town demand.

Weber Bros. will be in in a day or two with a crop of 4,000 auratum lilies.

Sinner Bros. are going ahead with three new rose houses 30x200.

A. F. Amling is sending in a nice crop of Harrisii, from about 500 bulbs.

Wietor Bros.' season's addition has developed into ten houses 30x350, which at one time would have been considered quite a sizeable little place in itself.

Stollery Bros. have had a very busy season and are well cleaned out on bedding plants. They are not cutting much of anything at present, but have a few hundred lily bulbs which will be in shortly; however, they are not pleased with the experiment of waiting for the sun to bring the flowers.

Leo H. Bather, with his bride, was a visitor last week. He is a son of Andrew Bather, of Clinton, Iowa.

Mrs. J. D. Thompson and daughter went to New York last Thursday for a month's visit.

The Garfield Park Floral Co. has marketed a fine lot of large hydrangeas in pots and tubs. They are in good demand for porch and lawn decoration.

Fred Wittbold has a new baby boy at his house, born June 7.

George W. Wienhoeber was at Cornell for the commencement.

N. J. Wietor is at Woodruff, Wis., fishing this week.

W. S. Garland, at Des Plaines, has had a very steady cut all season, and it's the steady crop that pays.

Neat cards advertising the Milwaukee convention are hanging in all the wholesale houses.

A. L. Randall and family are at their summer home near St. Joe, Mich.

Visitors: B. F. Vandervate, Galena, Ill.; H. L. Wiegand, Indianapolis; Mrs. W. T. Hempstead, Bloomington, Ill.; C. H. Maynard, Allen, Mich.

Bowling.

The following is the excellent score made in the first contest of the final series, June 23:

Player.	1st.	2d.	3d.	4th.	Total.
Asmus	142	137	154	127	560
G. Stollery	181	179	144	144	648
Winterson	148	129	121	143	551
Lambros	158	192	144	171	665
Balluff	186	209	158	123	676
Hanswirth	174	159	170	135	638
F. Stollery	157	161	159	139	606
Pruner	191	171	118	151	631
Scott	228	161	135	150	674

FROM OUR ENGLISH EXCHANGES.

The Gardeners' Magazine.

Average Height of Ornamental Grasses and Space Needed.—*Agrostis pulchella*, *Briza gracilis*, and *B. major* all grow about a foot high, while *Chrysurus aureus* is only about nine inches high; all these should be thinned out to from three to four inches apart. *Agrostis nebulosa*, *Briza geniculata*, *Chloris barbata*, *Coix lachryma*, *Eragrostis elegans*, *Hordeum jubatum*, *Lagurus ovatus*, and *Panicum capillare* grow about eighteen inches high and need from four to six inches

space, the latter for preference. *Avena sterilis*, *Pennisetum longistylum*, *Tricholena rosea*, and *Paspalum elegans* are taller growers, rising from two to three feet high, and consequently needing to be thinned out to from six inches to one foot apart.

Spiraea Opulifolia Aurea.—With the solitary exception of *Spiraea prunifolia*, whose leaves die off in the autumn brightly tinged with red, this is the only spiraea remarkable for its colored leafage. It belongs to that class of golden-leaved shrubs that are seen at their best when the foliage is first expanded, while some others almost green in the spring become richly tinted as the summer advances. Another shrub that behaves in a similar manner is the golden-leaved variety of *Ribes alpinum pumilum*, which by midsummer is quite green; while in *Weigela Looymani aurea*, the golden elder, and *Cornus Spathi* the golden color deepens throughout July and August.

Uses of Electricity in Plant Growth.—The experiments by Dr. Lemstrom, of Helsingfors, in the uses of electricity in stimulating the growth of vegetable and other crops gave some interesting results, and a German translation of the report on them has been issued by Dr. Otto Pringsheim. The experiments appear to have been suggested by an attempt to connect the luxuriant growth of plants in high latitudes with the influence of electric currents associated with the Aurora Borealis. The experiments showed that for plants growing on arable land of medium quality an increase of 45 per cent in the crops is obtainable. On poor soil the effect is trifling. Certain plants, such as peas, cabbages and turnips, only lend themselves to electrical treatment after being watered. It is, however, injurious to most, if not all, plants to submit them to the influence of electricity in hot sunshine. In the introduction, Dr. Pringsheim makes some estimate of the cost of applying the method to agricultural purposes and arrives at the conclusion that it can be made to pay. A further suggestion is that we have here an explanation of the needle-shaped leaves of coniferous plants, which are well adapted to facilitate the passage of electricity.

SPRAYING CROPS.

In the ten years Prof. Clarence M. Weed's little treatise on spraying has enjoyed a sale which has exhausted three and made necessary a fourth edition, rewritten and brought up to date. The book of 150 pages, fully illustrated, covers the whole field of spraying but, while there is much of interest on every page, probably of greatest value, particularly to florists, is the chapter on insecticides and fungicides, in which formulæ are given for making all the standard remedies. The book is brought out by the Orange Judd Co., but copies will be sent postpaid upon receipt of 50 cents by the FLORISTS' REVIEW.

FINDLAY, O.—S. J. McMichael says that he lost at least 100,000 tomato plants by frost this spring. He had among many orders one for 75,000 plants, but was unable to ship it in full because of the damage by frost. Still it has been a good season.

IF YOU have a good thing, push it along through the REVIEW's classified ads.

Seed Trade News.

AMERICAN SEED TRADE ASSOCIATION.

Pres., Walter P. Stokes, Philadelphia; First Vice-Pres., Chas. N. Page, Des Moines, Ia.; Sec'y and Treas., S. F. Willard, Wethersfield, Conn. The twenty-first annual convention will be held at Philadelphia and Atlantic City, June 23, 24 and 25, 1903.

L. L. MAY was unable to attend the seed trade convention because of Mrs. May's illness.

B. SUZUKI passed through Chicago this week en route from New York to Japan via Vancouver.

The western delegation of the seedsmen's convention at Atlantic City, N. J., was rather light.

SOME replanting is being done in the cucumber fields. It is thought that it is not yet too late to secure a fairly good stand.

CONTINUED good weather is improving the crop prospect in the Holland bulb district, but there is little possibility of a surplus.

THE acreage of millet in the northwest is the largest on record, partly the result of the wet weather, which delayed corn planting in many sections.

C. P. Bartleson, of Coldwater, Mich., representing the Niagara Lithograph Co., of Buffalo, is calling on the seed trade for orders for next season.

EXPORT demand for clover seed was large the past season. Official report makes the exports nearly 100,000 bags, as against 46,000 the preceding year.

THE Stecher Lithographic Co., of Rochester, announces the perfection of a packet filling machine which can be sold at a reasonable figure and does the work in a neat and rapid manner.

IN Illinois an average clover crop will be made. In the southern district the crop has been harvested under favorable conditions. Timothy is light in some localities, but the general condition is promising.

RADISH for seed in the Michigan sections is reported to be doing well. A fairly good stand in general and a growth up to the average at this time promises an average crop for 1903 if no drawbacks occur later.

NOTHING serious in the way of reports have arrived from the growing stations the past week. Weather conditions all around seem to be more favorable, although unseasonable coldness retards growth somewhat.

THE contract district and the great west has not a full representation at Atlantic City, where the seed trade convention is in session this week. This is to be regretted, as the absentees are considering many things of interest to the eastern trade.

THE latest reports from the jobbers in French Romans show the market holding firm at about 90 francs and it is likely that American forcers will have to pay a good price for early bulbs, with a possibility of a break if a surplus develops late in the season. Several American dealers report that the high price of

Stumpp & Walter Co
50 Barclay St. N.Y.

Cycas Stems.

2 to 3 lbs. 4 to 5 lbs. 6 to 7 lbs.

Per 100 lbs....\$7.50 Per 1000 lbs...\$65.00

Burpee's Seeds Grow

SEEDS

THE ALBERT DICKINSON CO.

Timothy, Clovers, Flax, Hungarian, Millets, Red Top, Blue Grass, Lawn Grass, Orchard Grass, Pasture Mixtures, Bird Seeds, ENSILAGE CORN, POP CORN, BUCKWHEAT, BEANS, PEAS, ETC. COTTON GRAIN BAGS. CHICAGO ILL.

Mention The Review when you write.

Romans has resulted in largely increasing their orders for Paper Whites, in some cases doubling the business on this item.

IN northern sections tomato plants were transplanted into cold frames some time ago and are now ready for the open ground. If the weather warms up setting out will progress rapidly. It is too early to make any estimate of what the seed crop may be.

GOVERNMENT SEEDS.

A Washington telegram to the Chicago Record-Herald of June 24 says:

"Charges of short weight in the seeds furnished the Department of Agriculture appear in the testimony given before the Court of Claims against the New York Market Gardeners' Association. Arthur C. Nellis, representative of the New York association, alleges the government owes him \$18,000 on his contract for 1900-1901. Officials of the Department of Agriculture assert that Nellis gave orders that all packages of seed should be made up short in weight; that the packages were not properly labeled; that the seed was delivered two months after the time specified in the contract and that no penalty was enforced and that cheap and improper paper was used.

"Charles Kingsley, a foreman under Nellis, in his testimony filed in the Court of Claims, says he received orders from Nellis to 'make all packets short in weight' and that he did so. Although two or more government inspectors were constantly present to see that the contract was fulfilled, no attention apparently was paid by them to the alleged abuses.

"One specification is that Nellis labeled spinach seed costing 6 cents a pound 'best seed,' which costs 16 cents. In the year covered by the litigation Congress appropriated \$108,574.12 for seeds and Nellis was paid about \$90,574.39. These are the seeds representatives and senators receive from the government for distribution."

BURLINGTON, IA.—N. J. Burt is on the sick list. Chas. Danacher has again taken possession, June 15, of his greenhouses. Otto Klingbiel retains the retail business and store.

I THINK the REVIEW is the best florists' paper in this country.—ALBERT REICHS- PFARR, Richmond, Ky.

BUY YOUR BULBS

IN SAINT LOUIS.

WHITE CALLAS

2 to 2½-in. diameter, doz., \$1.25; 100, \$9.00
1½ to 2-in. " " 1.00 " 7.00
1¼ to 1½-in. " " .75 " 5.00

FREESIA REP. ALBA.

¾-in. up 100, \$1.00; 1000, \$7.75
½-in. up " .75 " 5.00

For immediate order and cash.

All Western Growers should receive our **IMPORT PRICE LIST OF FORCING BULBS**

Plant Seed Co., Saint Louis.

17 A few hundred small Cycas Stems still on hand 6c per lb.

Mention The Review when you write.

PRIMROSE --- Chinese Fringed.

Kermesina Splendens.....	Trade Pkt., 50c
White, Yellow Eye.....	" 50c
Bright Pink.....	" 50c
Brilliant Red.....	" 50c
Rosy Morn.....	" 50c
Blue.....	" 50c
Flesh Color.....	" 50c
Mixture of above.....	" 50c
Fern Leaved Mixed.....	" 50c
Obconica Grandiflora, White.....	" 50c
" " Rosy Chamoise.....	" 50c
" " Bright Rose.....	" 50c
" " Fringed Mixed.....	" 50c

W. C. BECKERT, - ALLEGHENY, PA.



RAWSON'S

Arlington Tested

Seeds FOR THE FLORIST

Catalogues Mailed Free.

W. W. RAWSON & CO., Seedsmen, 12 and 13 Faneuil Hall Square, BOSTON.

Mention the Review when you write.

Calla Bulbs!

1½ to 2 inches in diam.

Choice grown for Florists' use, \$5.00 per 100. For delivery August 1. Express prepaid.

California Carnation Co., Loomis, Cal.

PLEASE change our adv. in the classified department of the REVIEW, as the Boston ferns were all sold with the first insertion of the adv.—SOAR BROS., Little River, Fla.

SAMUEL S. PENNOCK, VALLEY!

Commencing June 29,
open from 7:30 a. m.
to 6 p. m.

Wholesale Florist,
1612 Ludlow St., PHILADELPHIA.

IF YOU are in the market for fine clean stock in **Brides, Maids and Meteors**; also first-class **Carnations**, place your order with

J.A. BUDLONG

37-39 Randolph St., CHICAGO,

as we always have a good supply of the best stock in the market. All other cut flowers in season. No charge for P. & D. on orders of \$4 and over.

AMERICAN BEAUTY,		Per doz.
30-36-inch stem.....		\$3.00
24-inch stem.....		2.00
20-inch stem.....		1.25
15-inch stem.....		1.00
12-inch stem.....		.75
Short stem ...	\$4.00 to \$5.00	per 100
		Per 100
Brides and Maids	\$3.00 to \$5.00	
Meteors and Gates.....	8.00 to 6.00	
Kaisersins.....	8.00 to 8.00	
Carnations.....	1.00 to 1.50	
fancies.....	2.00	
Adiantum.....	1.00	
Peonies.....	.75c to \$1.00	per doz.

ST. LOUIS.

The Market.

The conditions of the market at this time are better. Train service is again restored and shipments can be made with safety; the wholesalers are again moving their shipments on time, which is very pleasing to the trade. Cut flowers of all kinds are more plentiful and the wholesale district presents a healthier appearance than it has for the past ten days. The month of June, so far, has been a good one for the florists, although school work does not amount to so much as formerly. There were plenty of weddings, more than usual during this month, and a great amount of funeral work. Trade continued fair during the past week. The Saengerfest used up quite a lot of choice stock, which was sent to the different soloists as they appeared in the big art hall on the World's Fair grounds.

White flowers were in great demand, especially white roses. This left a great many Bridesmaids on the wholesalers' hands, which seemed hard to dispose of. Laertes, Meteors and Perles, when good, had a big demand. Choice Beauties were somewhat scarce and good flowers are hard to get around here at present. There will be a falling off in quantity soon, as most of the growers have already started to throw out stock and commence replanting. Sweet peas are a great glut now and are here in all colors of the rainbow. The best light shades are selling fairly well; others are generally dumped the next day for want of demand. W. Pilcher, of Kirkwood, is sending in about the best. Prices on peas are 75 cents for a single hundred, and \$2.50 in thousand lots. The glut promises to be even greater this week, as all the wholesale house are loaded down with them this (Monday) morning.

A big lot of colored carnations went to waste the past week, as the demand was mostly for white. They don't keep well at this time of the year and the retailer is very cautious about laying in a big stock. Gladioli in all of the lighter colors are in fair demand. These are still limited in quantity. Some fairly good valley is in the market at the usual price. A big lot of them have been used the last two weeks for wedding bouquets. Fancy ferns are very scarce and it was

Primroses.

Chinese, 2-in. pots. July.....	\$2.00 per 100
Obconica, alba and rosea.....	2.00
Forbesi, "Baby".....	2.00
Smilax, 2-in. pots.....	1.00

CASH, PLEASE.

JOS. H. CUNNINGHAM,

Mention The Review when you write.

Asparagus.

Sprenger, 2-in pots.....	\$2.00 per 100
Plumosus Manus, July.....	2.50
Coleus.....	1.00
Geraniums.....	2.00

Write for prices.

Lager & Hurrell, Growers and Importers... Summit, N. J.

Mention The Review when you write.

amusing to watch a bunch of florists clean out a box of 5,000 which came in the other day at one of the wholesale houses. In five minutes every one was gone at 25 cents per 100. Smilax and galax have been in big demand, owing to the scarcity of ferns.

Various Items.

The plant season is entirely over and all of the growers are pretty well cleaned out of most everything except geraniums. On these nearly all of them were well stocked. The season was a good one and all the plantmen are well satisfied with the business done and with the prices, which they claim were somewhat better than last year's. Up in the seed district the busy season is at an end and some of the help will soon take their vacations. They report that business this year was a great deal better than last.

R. J. Mohr is now employed by the horticultural department at the World's Fair. Rudolph looks happy and contented in his new position.

Anton Then, the good natured and big hearted Chicago florist, was a visitor the past week. Anton attended the annual Saengerfest. He says he could not visit all his friends while here, as his time was nearly all taken up with the society.

Riessen Floral Co. had a very busy time of it the past week, attending to the wants of the visiting singers. Ed. Burchel, the manager of the company, is a prominent member of the society and was out among them from start to finish.

Edward Guy and Henry Emmons, of Belleville, were the first to visit us since the flood. They reported everything in good shape in their city and that the eastern craft will attend the florists' picnic on July 23.

Louis Blackhead and Charlie Schonelle, two of Mrs. Ayers' right-hand men, are matched for a bowling game to see who is the best bowler. Will Adels, also

ORCHIDS..

Arrived in fine condition—Cattleya Citrina, Epidendrum Nemorale, E. Vitellinum Majus, Odontoglossum Citrosium, O. Maculatum, O. Belchenheimii, Oncidium Cavenishianum, O. Ornithorhynchum, O. tigrinum unguiculatum, O. varicosum Rogersii, Phalaenopsis Amabilis and P. Schilleriana.

Lager & Hurrell, Growers and Importers... Summit, N. J.

Mention The Review when you write.

of Mrs. Ayers', is the stake holder. Schonelle says Louis is bluffing and that he can beat him at any time.

A. J. Bentzen reports a very good spring business, selling out on all spring plants. They have just rebuilt their benches and planted the chrysanthemums.

Bowling.

The bowlers had a big time at the new Blue Ribbon alleys. The two teams again rolled three close games. The scores were as follows:

Review.	1st.	2d.	3d.	Total.
Kuehn	143	156	134	433
Beneke	171	152	156	479
Adels	136	128	165	429
Ellis	120	140	130	390
Betteken	97	101	87	285
Total.....	667	677	672	2016
Exchange.	1st.	2d.	3d.	Total.
Beyer	152	170	154	476
Miller	154	176	134	464
Weber, Jr.	147	126	128	398
Young	117	154	119	390
Schonelle	101	119	100	320
Total	671	745	635	2048

J. J. B.

MOLES AND MICE.

In reference to moles and mice, as an answer to several answers, why not keep a cat? We have one which will catch every mole; in fact, anything that moves on the ground or under the same, anything from a humming bird to a squirrel. Where the cat cannot go I insert glass in the runs and drive the moles to the outside, for the cat to catch.

F. J. ULBRICHT.

LEO NIESSEN, PHILADELPHIA.

EVERYTHING IN CUT FLOWERS in quantity.

SOW JOHNSON & STOKES' KINGLY COLLECTION PANSY

Unquestionably the Finest Strain of Giant Pansy now offered to the trade.
1000 seeds, 30c; 2000 seeds, 50c; 5000 seeds, \$1.00; per oz., \$5.00.

TUBEROSES -- Dwarf Excelsior Double Pearl.

To induce QUICK SALE we make this EXCEPTIONAL OFFER to clear.

	Per 100	Per 1000	Regular Price
MAMMOTH BULBS, 4 to 6 inches and over, 5000 for \$20.00	\$.60	\$4.50	\$7.00
SECOND SIZE, splendid value, 3 to 4 inches and over, 5000 for \$10.00	.25	2.25	4.00

JOHNSON & STOKES, 217 and 219 Market St. PHILADELPHIA, PA.

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ESTABLISHED 1802.

Thorburn's Seeds

for over a 100 years have been universally recognized as the standard of excellence.

Florists are invited to send for our prices on

Lilium Harrisii and Lilium Longiflorum

and all other BULBS. Also

....CYCAS REVOLUTA STEMS....

J. M. THORBURN & CO.

36 Cortlandt St., NEW YORK.

Mention the Review when you write.

For Sale.

Three large cypas revoluta specimen plants. 30 perfect leaves 42 inches long. Also 1 very large one, 40 leaves, 50 inches long. Write

SCHLURAFF FLORAL CO., Erie, Pa.

Meteor Rose Plants!

3½-inch, \$4.50 per 100; \$37.50 per 1000.

Cash with order unless parties are known. These plants are guaranteed extra choice.

BRANT & NOE, Forest Glen, Chicago, Ill.

Will exchange Meteors for Maids and Brides.

Mention the Review when you write.

ORDERS BOOKED FOR SMALL BOSTONS

at \$5 per 100; \$40 per 1000.

THE "ANNA FOSTER" FERN

3-in. at \$20 per 100; cut from bench at \$35, \$50, \$75 per 100. 10,000 KENTIAS.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Mention the Review when you write.

Wholesale Cut Flower Prices.

Philadelphia, June 24.

	Per doz.
Beauties, Specials.....	\$ 2.00 to \$ 3.00
Extra.....	1.50
No. 1.....	1.00 to 1.25
Shorts.....	.50 to .75
Queen of Edgely, Specials.....	2.00 to 2.50
Firsts.....	1.00 to 1.50
Seconds.....	.50 to .75
Brides and Maids, Specials.....	\$4.00 to \$8.00
No. 2.....	2.00 to 3.00
Carnot, Firsts.....	6.00 to 10.00
Seconds.....	3.00 to 4.00
Golden Gates, Firsts.....	4.00 to 8.00
Seconds.....	2.00 to 3.00
Kaiserin, Firsts.....	6.00 to 10.00
Seconds.....	2.00 to 4.00
Liberty, Firsts.....	6.00 to 15.00
Seconds.....	2.00 to 4.00
Meteors, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Perles, Firsts.....	3.00 to 5.00
Seconds.....	2.00 to 3.00
Sunrise, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Ivory, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Cattleyas.....	40.00 to 50.00
Carnations, Commons.....	.75 to 1.00
Fancies.....	1.50 to 2.00
Prosperity.....	3.00 to 4.00
Sweet Peas.....	.50 to .75
Petunias.....	2.00
Adiantum Cuneatum.....	.75 to 1.00
Asparagus plumosus, Strings.....	35.00 to 50.00
Sprays.....	1.50 to 2.00
Callas.....	8.00 to 10.00
Lilium Candidum.....	10.00
Harrisii.....	12.50
Daisies, White.....	.50 to .75
Yellow.....	.50 to 1.00
Gladioli.....	6.00 to 8.00
Lily of the Valley.....	2.00 to 5.00
Smilax.....	12.50 to 20.00
Stocks.....	4.00 to 6.00

Good Fortune is the Chum of Opportunity.

This is your chance to lay in a stock of Godfrey Aschmann's tip-top *Araucaria Excelsa*. Do it now and they will help to fill your treasure box; they will be growing into money for you while you're asleep. We are headquarters for this great favorite among decorative plants. Our houses are full of choice April importations—no seedlings—raised in Belgium from top cuttings only. Here is my very lowest quotation. Who can beat such stock as I offer for the money?

5½-in., 2 to 3 tiers, 8 to 10 in. high.....\$0.50 each
5½-in., 3 to 4 " 10 to 12 "60 "
5½-in., 3 to 4 " 13 to 15 "75 "
6-in., 4 to 5 " 16 to 18 " 80c, 90c, 1.00 "

Kentia Belmoreana—4 years old, 30 to 36 in. high, 5½-in. pots, 75c to \$1.00 each.

Kentia Belmoreana—4 years old, 25 to 30 in. high, 5½-in. pots, 75c each.

Picus Elastica—Imported, 4-inch pots, 25c each.

Cash with order please. Goods travel at purchaser's risk only. Please state if with or without pots.

Wanted to Buy—Boston Ferns for cash.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants,

1012 Ontario Street, PHILADELPHIA.

Mention the Review when you write.

1217 Arch Street,
PHILADELPHIA.

EDWARD REID,
WHOLESALE FLORIST.

Valley and Beauties

1526 Ransstead St., PHILADELPHIA.

Store closes at 8 p. m.
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WHOLESALE FLORIST.

Carnations, Roses, Sweet Peas

11 South 16th Street,

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Valley and Smilax

1432 South Penn Square, Philadelphia.

PITTSBURG CUT FLOWER CO. Ltd.

WHOLESALE FLORISTS, Pittsburgh, Pa.

FOR SOUTHERN WILD SMILAX

(Where Quality is First Consideration.)
Write, Wire or Phone the Introducers

Caldwell The Woodsman Co., Evergreen, Ala. or their agents: L. J. Kreshover, New York; J. B. Deamud, Chicago; H. Bayerdorfer & Co., Philadelphia; W. F. Kasting, Buffalo; J. M. McCullough's Sons, Cincinnati, Ohio; H. G. Berling, St. Louis, Mo.

A. HERRMANN,

MANUFACTURER OF FLORAL METAL DESIGNS,
IMPORTER AND DEALER IN FLORISTS' SUPPLIES,
Factory, 709 First Ave., bet. 40th and 41st Sts.
Office and Warerooms, 404, 406, 408, 410, 412 East 34th St., NEW YORK.

WRITE FOR NEW CATALOGUE.

HARDY and ROSES from 4 or 5-inch clean plants on own roots. Clothilde Soupert, Coquette des Blanchies, Coquette des Alps, La Reine, Gen. Jacqueminot, La France, Crimson and Yellow Rambler, etc. Large flowered *Clematis*, finest purple, white, lavender and pink sorts, 2-year, from 5-in. pots, 18c; 1-year from 3-in., 9c; *Clematis Paniculata*, from 5-in. pots, 10c. Extra, from 6-in., 25c. *Ampelopsis Veitchii*, from 3-in. pots, 5c; from 4-in., 10c; from 5-in. pots, 16c. Packing free for Cash.

W. H. SALTER, ROCHESTER, N. Y.

ALBERT M. HERR

LANCASTER, PA.

Carnations, Geraniums, Smilax, Asparagus.

Correspondence Solicited.

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We are headquarters
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Flowers in their season.

"THE LILY KING." Reasonable Prices.
Square Dealing
Out-of-town florists promptly attended
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55-57 W. 26th St.
NEW YORK CITY.
SHIPPING ON COMMISSION.
Tel. 2034 and 2239 Madison Square.

Established 1891.
GEO. E. BRADSHAW. JOHN B. HARTMAN.
BRADSHAW & HARTMAN,
Wholesale Florists,
53 West 28th Street, NEW YORK.
Telephone 1239 Madison Square.
Consignments Solicited.
Mention The Review when you write.

JAMES McMANUS, Telephone, 50 W. 30th St., NEW YORK
789 Madison Square.
Beauties, Meteors, Brides and Bridesmaids are the leaders
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
ORCHIDS A SPECIALTY.
HEADQUARTERS FOR NOVELTIES

W. GHORMLEY,

WHOLESALE COMMISSION,

57 W. 28th Street, NEW YORK.

The largest commission house in America

for Roses, Violets and all other varieties of Cut Flowers.

My large shipping trade enables me to command the highest prices.

Telephone 2200 Madison Square,
which ring, connects you with all our TELEPHONES.

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THE PIONEER HOUSE
Open every day at 6 a. m.
J. K. ALLEN
WHOLESALE FLORIST,
106 W. 28th Street, New York City
We ship all over the United States. Consignments realize with
us the best market prices. Tel. 167 Madison Sq.

WALTER F. SHERIDAN,
Wholesale Commission Dealer in
CUT FLOWERS
39 West 28th St., NEW YORK.
(Established 1882)
Receiving Extra Quality American Beauties
and all other varieties of Roses.
Telephone 902 Madison Square. Carnations.

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WHOLESALE FLORISTS,
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Cut Flower Exchange.
OPEN ALL DAY!
AN UNEQUALLED OUTLET FOR CONSIGNED FLOWERS.
Telephone No. 2438 Madison Sq.

JAMES A. HAMMOND,
Wholesale Commission Florist,
113 W. 30th St., NEW YORK CITY.
Tel. 854 Madison Sq.
Consignments receive conscientious and prompt
attention. Highest market price guaranteed.
The finest stock in the market always on hand.

'MUM PLANTS
In 2 1/4-in.
pots.

Mrs. Perrin, Maud Dean, Elvena, Wanamaker,
Jerome Jones, Mutual Friend, G. Pitcher, Niveus,
Golden Gate, Goldmine, Mrs. H. Robinson, Mme.
Carnot, H. Hurrell, Maj. Bonaffon, Willow
Brook, J. K. Shaw, \$3 per 100; \$25 per 1000.

Alice Byron, \$5 per 100; Col. Appleton and
Jeannie Falconer, \$4 per 100; Yellow Eaton, 50c
each; \$5 per doz., \$30 per 100.

A. N. PIERSON, Cromwell, Conn.

Always mention the Florists' Review when
writing advertisers.

Wholesale Cut Flower Prices.

New York, June 24.

	Per 100
Beauties, Specials	\$10.00 to \$20.00
" Fancies	8.00 to 10.00
" Extra	5.00 to 7.00
" No. 1	2.50 to 4.00
" No. 2	1.00 to 2.00
Queen of Edgely	8.00 to 20.00
Brides and Maids, Specials	8.00
" Extra	3.00 to 5.00
" No. 1	1.50 to 2.50
" No. 2 .....	.50 to 1.00
Golden Gates	6.00 to 10.00
Liberty	5.00 to 8.00
Meteor	2.00 to 5.00
Mme. C. Testout	2.00 to 6.00
Mrs. Morgan	5.00 to 8.00
Perles	2.00 to 4.00
Sunrise	2.00 to 4.00
Oatleas	25.00 to 30.00
Carnations, Common .....	.50 to 1.00
" Selects	1.00 to 1.50
" Fancies	2.00 to 4.00
Adiantum cuneatum .....	.50 to .75
" Farleyense	5.00 to 10.00
" Croweatum	1.25 to 1.50
Asparagus plumosus, Sprigs	25.00 to 50.00
Plumosus Sprays, \$2.00 a doz., bunches.	
Sprenger Sprays, 2.00	
Sweet Peas, per 100 bunches, \$2-\$5	
Peonies	2.00 to 5.00
Harrisii lilies	3.00 to 5.00
Oallas	3.00 to 5.00
Valley	1.00 to 2.00
Smilax	6.00 to 10.00
Fansies .....	.50 to 1.00
Daisies .....	.50 to 1.00
Ferns, Common, per 1000, 75c.	
" Fancy, per 1000, \$1.50.	

Toward the end of last week the throwing out
of the old plants, the unseasonable weather and
the consequent shortage, all combined to bring
about better prices, and on Saturday the scarcity
could be felt. Values bounded upward, and some
extra fine Beauties brought \$3.00 a dozen, while
10 cents was bid for best Brides and Maids,
with 4 cents for carnations of extra size. The
commencements of the week, the ocean travel
and late June weddings may serve to hold the
market for a time, especially as the weather
continues erratic and supply limited.

"Our advs. in your paper this year
have certainly been most satisfactory in
results."—GRAND RAPIDS VIOLET Co.,
Grand Rapids, Mich.

Pacific Florist ISSUED
MONTHLY by the
Pacific Florist Publishing Co.,
229 Stevenson St., San Francisco, Cal.
is the BEST ADVERTISING MEDIUM ON THE PACIFIC
COAST. Subscription \$4.00 per year.

JOHN YOUNG

Special American Beauties,
Surpassing Carnations,
Lily of the Valley, Orchids
and all seasonable flowers.
51 W. 28th St., NEW YORK.
Tel. 1905 Madison Sq.

Mention The Review when you write.

Young & Nugent

42 West 28th Street
New York

Send for Quotations

Mention The Review when you write.

H. C. RIEDEL.

F. D. SPICER.

Riedel & Spicer

Wholesale Florists,
Strictly Wholesale, 34 W. 29th Street,
Tel. 3039 Madison Sq. New York City.
Mention The Review when you write.

The New York Cut Flower Co.

55 and 57 West 28th Street,
WHOLESALE FLORISTS.
Daily Reports. Weekly Payments.
Tel. 2239 Madison Sq. J. A. MILLANG,
2034 Madison Sq. Manager.

Mention The Review when you write.

FOLEY'S FLORAL FOTOGRAPHS

Send for my Floral Album, size
12x11, containing 24 different fune-
ral designs. Sent to any part of the
country by express, \$7.00 c. o. d.

226-226 1/2 Bowery, NEW YORK.

Mention the Review when you write.

Always mention the Florists' Review when
writing advertisers.

The Philadelphia Wholesale Flower Market.

Beauties, Valley and Sweet Peas for JUNE WEDDINGS and COMMENCEMENTS.

OPEN FROM 7:00 A. M. TO 6:00 P. M. 1228 CHERRY STREET, PHILADELPHIA.

ALEX. J. GUTTMAN, Wholesale Florist.

All seasonable Flowers and Novelties at proper prices can be had at
52 West 29th Street, New York.
 Telephone 1738 Madison.
 Mention The Review when you write.

ESTABLISHED 1872.

John J. Perkins WHOLESALE and COMMISSION FLORIST,

115 West 30th St., NEW YORK.
 Telephone No. 958 Madison Sq.

WANTED a few more reliable growers of Carnations and Violets. Only first-class stock handled.

BRANCH STORE, 48 West 30th St., New York. R. W. PERKINS, Manager.
 Consignments Solicited. Quick returns to Shippers. Highest Market Prices Guaranteed.
 Mention The Review when you write.

WM. SAMPSON, WHOLESALE FLORIST.

Coogan Building, 26th St. and 6th Ave.
 With the New York Cut Flower Co.
 Tel. No. 2239 Madison. Consignments Solicited.
 Specialties, CARNATIONS and MIGNONETTE.

....THE....

COTTAGE GARDENS Wholesale Florists,

QUEENS, - L. I., N. Y.

ASPARAGUS Plumosus Nanus

2-inch pots,
 \$3.00 per 100; \$25.00 per 1000

Asparagus Sprengeri

2-inch pots,
 \$3.00 per 100; \$25.00 per 1000

ISAAC H. MOSS, GOVANSTOWN, BALTIMORE, MD.

WHEN YOU WANT Engravings made

send us Photos or clippings from other catalogues and let us reproduce them. We make the cuts for the Florists' Review.

DEARBORN ENGRAVING CO.,
 300-308 Dearborn St., CHICAGO.
 Mention The Review when you write.

Wholesale Cut Flower Prices.

Pittsburg, June 24.

	Per 100
Beauties, Specials	\$25.00 to \$30.00
Extra	15.00 to 20.00
No. 1	10.00 to 12.00
Shorts	2.00 to 5.00
Brides and Maids, Specials	6.00
Extra	4.00 to 5.00
No. 1	2.00 to 3.00
No. 2	1.00
Carnot	4.00 to 5.00
Cusin	2.00 to 3.00
Kaiserin	2.00 to 3.00
Liberty	2.00 to 3.00
Meteor	2.00 to 4.00
Sunrise	2.00 to 3.00
Carnations, Common	1.00
Selects	1.25 to 2.00
Prosperity	3.00
Adiantum Ouneatum .....	.75 to 1.25
Asparagus plumosus, Strings	30.00 to 50.00
Sprays	2.00 to 3.00
Sprengeri, Sprays	2.00 to 3.00
Callas	4.00 to 6.00
Daisies .....	.25 to 1.00
Gladioli	6.00 to 10.00
Lilium Longiflorum	6.00 to 12.00
Lily of the Valley	2.00 to 5.00
Pansies .....	.25 to .50
Smilax	12.00 to 15.00
Sweet Peas .....	.25 to 1.00
Common Ferns, \$2.00 per 1000	

ELLIS, MASS.—Peter Fisher will spend his vacation in England, sailing early in July.

COLUMBIA CITY, IND.—While D. C. Noble was in Chicago the other day he bought cypress and glass for a house 18x100.

COULD hardly get along without the REVIEW. Its pages are pretty well scanned, advs. and all.—A. E. KENNEDY, Algona, Iowa.

WE OFFER

Surplus Stock!

In Prime Condition. Write for prices.
 1000 Oliver Ames, 4-inch pots.
 2000 Mme. Cusin, 8 and 4-inch pots.
 2000 Pierpont Morgan, 8 and 4-inch pots.
 2000 Meteor.
 3000 Bridesmaid, 8 and 4-inch pots.
 8000 Bon Silene.
 1000 Isabella Sprunt.
 500 Safrano.

2000 8-inch Sprengeri, extra strong, \$8.00 per 100.

JOHN BREITMEYER'S SONS,
 Detroit and Mt. Clemens, Mich.

DOUBLE FRINGED PETUNIAS

ANo. 1 assortment of money-makers, strong 2-inch. \$2.00 per 100.
 Geraniums—Mixed, 2-inch, \$2.00 per 100.
 Verbenas—2-inch, \$1.50 per 100.

Also Chrysanthemums, Pelargoniums, Star Petunias, Selaginellas, Salvias, etc.

E. I. RAWLINGS, Quakertown, Pa.
 Mention The Review when you write.

FRANK H. TRAENDLY. CHARLES SCHENCK.
TRAENDLY & SCHENCK,
Wholesale Florists
 AND CUT FLOWER EXCHANGE
 38 W. 25th St., NEW YORK.
 Telephones 798 and 799 Madison Square. CONSIGNMENTS SOLICITED.
 Mention The Review when you write.

Hicks & Crawbuck

Wholesale Florists,
 108 Livingston Street, BROOKLYN, N. Y.
 Tel. 3660-3661 Main.
 Mention The Review when you write.

GALAX Bronze or Green, \$1.00 per 1000; 75c per 1000 in 5000 lots.
 Leucothoe Sprays; Bronze or Green, \$1 per 100.
 Fancy Ferns, \$2.00 per 1000.
 Green Sheet Moss, fresh stock, \$2.50 bbl. sack.
 Sphagnum Moss, \$1.75 per bale.
 Small Green Galax for Violets, \$1.00 per 1000
 ALL KINDS OF FLORISTS' SUPPLIES.
 L. J. KRESHOVER, 110-112 W. 27th St., New York.
 Tel. 597 Madison Sq.
 Mention The Review when you write.

N. LECAKES & CO.
 53 West 28th St., NEW YORK.
 (BASEMENT.)
 Telephone 1239 Madison Sq.
 Ferns, Galax Leaves and Leucothoe Sprays
 OUR SPECIALTIES.

CHAS. D. BALL,
 GROWER OF **Palms, Etc.**
 Send for Price List.
 HOLMESBURG, PHILADELPHIA, PA.

Joseph Heacock
 CHOICE PALMS.
 WYNCOTE, PA.
 See offer in Florists' Review of June 18, page 152.

ROSES.
 Out of 2½-inch pots, thrifty plants.
 Brides and Bridesmaids, \$3.50 per 100; \$30 per 1000
 Golden Gates

Wholesale Cut Flower Prices.

Chicago, June 24.

	Per doz.	
Beauties, 36 to 40-inch stems.....	\$3.00	
" 30-inch stems.....	2.50	
" 24 ".....	2.00	
" 20 ".....	1.50	
" 15 ".....	1.25	
" 12 ".....	1.00	
" Shorts.....	.75	
	Per 100.	
Bridesmaids, Specials.....	\$5.00 to \$6.00	
" Firsts.....	4.00 to 5.00	
" Seconds.....	2.00 to 3.00	
Brides, Specials.....	5.00 to 6.00	
" Firsts.....	4.00 to 5.00	
" Seconds.....	2.00 to 3.00	
Kaiserin.....	4.00 to 5.00	
LaFrance.....	4.00 to 5.00	
Perles, Firsts.....	5.00 to 6.00	
" Seconds.....	2.00 to 3.00	
Liberty, Specials.....	8.00 to 10.00	
" Firsts.....	6.00 to 8.00	
" Seconds.....	4.00 to 5.00	
Golden Gate, Firsts.....	5.00 to 6.00	
" Seconds.....	2.00 to 4.00	
Meteor, Firsts.....	5.00 to 6.00	
" Seconds.....	2.00 to 4.00	
Mme. Chatenay, Firsts.....	8.00 to 10.00	
" Seconds.....	4.00 to 6.00	
Sunrise.....	4.00 to 7.00	
Ivory, Firsts.....	5.00 to 6.00	
" Seconds.....	3.00 to 4.00	
Carnations, Fancy.....	2.00 to 3.00	
" Commons.....	1.00 to 1.50	
Gladioli.....	8.00 to 12.50	
Valley.....	4.00	
Harrisii Lilies.....	8.00 to 12.50	
Peonies.....	75c to \$1.00 per doz.	
Marguerite.....	.25 to .85	
Adiantum cuneatum.....	6.00	
Asparagus plumosus, Strings.....	50.00	
" Sprays.....	2.00 to 4.00	
Asparagus Sprengeri, Sprays.....	2.00 to 8.00	
Smilax.....	\$1.50 per doz.	
Common ferns, per 1000, \$2.50		
Galax Leaves, Bronze, \$1.25 per 1000		
Green, \$1.00 to \$1.25 per 1000		

Milwaukee, June 24.

	Per 100	
Beauties, Specials.....	\$25.00	
" Extras.....	\$15.00 to 18.00	
" No. 1.....	10.00 to 12.00	
" Shorts.....	4.00 to 5.00	
Brides and Maids, Specials.....	5.00	
" Extra.....	4.00	
" No. 1.....	3.00	
" No. 2.....	2.00	
Golden Gates.....	4.00 to 6.00	
Kaiserin.....	4.00 to 6.00	
Liberty.....	4.00 to 6.00	
Meteor.....	4.00 to 5.00	
Perle.....	4.00 to 5.00	
Carnations, Selects.....	1.00 to 1.50	
" Fancy.....	2.00 to 3.00	
Asparagus plumosus, Strings.....	50.00	
" Sprays.....	2.00 to 4.00	
" Sprengeri.....	2.00 to 4.00	
Daisies.....	.50	
Lily of the Valley.....	4.00	
Peonies.....	5.00	
Smilax.....	20.00	
Sweet Peas.....	.50	
Common Ferns.....	.25	

Baltimore, June 24.

	Per 100	
Beauties No. 1.....	\$12.50 to \$15.00	
" Shorts.....	3.00 to 6.00	
Brides and Maids, No. 1.....	3.00 to 4.00	
" No. 2.....	2.00 to 3.00	
Golden Gate.....	2.00 to 4.00	
Kaiserin.....	3.00 to 5.00	
Liberty, Shorts.....	2.00 to 3.00	
Meteor, Shorts.....	2.00 to 3.00	
Perle.....	3.00 to 4.00	
Cochets, White.....	1.50 to 2.00	
Carnations, Commons.....	.75	
" Selects.....	1.00 to 1.25	
Adiantum Cuneatum.....	1.00	
Asparagus plumosus, Sprays.....	2.00	
" Sprengeri, Sprays.....	2.00	
Sweet Peas.....	.20 to .30	

IN EVERYONE'S HANDS.

Please change my advertisement as per copy enclosed. Am very well satisfied with the results from the Classified advertisements. Can't keep up with orders, which are coming in from Canada to California, a very good evidence that your paper is in the hands of every florist.

A. C. OELSCHIG.

Savannah, Ga.

E. H. HUNT

THE "OLD RELIABLE" FOR

Wholesale
Cut Flowers

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

Mention the Review when you write.

Bassett & Washburn

76 Wabash Ave., CHICAGO, ILL.

WHOLESALE GROWERS OF
AND DEALERS IN CUT FLOWERS

Greenhouses at Hinsdale, Ill.

Mention The Review when you write.

A. L. RANDALL,
Wholesale FloristDon't forget we are at
19 and 21 RANDOLPH ST., CHICAGO.

Write for special quotations on large orders.

Mention The Review when you write.

J. A. BUDLONG

37-39 Randolph Street CHICAGO.

Roses and
Carnations
A Specialty.....WHOLESALE
GROWER OF

CUT FLOWERS

WIETOR BROS.

Wholesale
Growers of.. Cut FlowersAll telegraph and telephone orders
given prompt attention.

51 Wabash Avenue, CHICAGO.

WEILAND - AND - RISCH

CHICAGO'S RELIABLE WHOLESALE
GROWERS AND SHIPPERS OF...

CUT FLOWERS,

59 Wabash Avenue, CHICAGO.

SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

Poehlmann Bros. Co.

Wholesale
Growers of
and Dealers in Cut Flowers.All telegraph and telephone orders given prompt
attention. greenhouses: Morton Grove, Ill.
25-27 Randolph Street, CHICAGO, ILL.

Mention The Review when you write.

BENTHEY & CO.

35 Randolph Street, CHICAGO.

F. F. BENTHEY, Manager.

Consignments Solicited.

Wholesale and

Commission

FLORISTS

Mention The Review when you write.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers

800,000 SQUARE FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave. CHICAGO, ILL.

JOHN MUNO,

WHOLESALE
GROWER OF Cut Flowers,

51 Wabash Avenue, - - CHICAGO.

GREENHOUSES, ROGERS PARK, ILL.

Telephone Central 3598.

SINNER BROS.

Wholesale Growers
and Shippers of CUT FLOWERS

58-60 WABASH AVE., CHICAGO, ILL.

With the Flower
Growers' Co. Telephone—
Central 9067.All telephone and telegraph orders
given prompt attention.

Mention the Review when you write.

FRANK GARLAND,

Wholesale
Grower of Cut Flowers,Special attention
given to Hardy Cut FERNs.

55-57 Wabash Avenue, CHICAGO, ILL.

Telephone Central 3234.

Mention the Review when you write.

GEORGE REINBERG,

51 Wabash Ave., Chicago,

WHOLESALE DEALER IN AND
GROWER OF CUT FLOWERS

Two Daily Shipments from my greenhouses.

Fresh Stock always ready for orders.

Write, Wire or Phone. Quick Service Given.

Lily of the Valley.

From cold storage. Finest in the

market. \$14.00 per 1000; \$1.50 per 100.

CUT VALLEY—The best always on hand.

H. N. BRUNS,

1409 W. Madison St., CHICAGO.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.50; 50,000... \$6.25. Sample free.

For sale by dealers.

Mention the Review when you write.

M

ICHIGAN CUT FLOWER EXCHANGE.

WHOLESALE FLORISTS AND CUT FLOWER COMMISSION.

Full line of FLORISTS' SUPPLIES and SUNDRIES.

WM. DILGER,

Manager.

COMMON FERNS, \$1.50 per 1000.
GALAX, Bronze or Green, 1.00

51 Miami Ave., Detroit, Mich.

Wholesale Cut Flower Prices.

St. Louis, June 24.

	Per doz.	
Beauties, Specials.....	\$2.50 to \$3.00	
Extra.....	1.50 to 2.00	
No. 1.....	.75 to 1.00	
Shorts.....	.45 to .60	
Brides and Maids, Specials.....	\$5.00 to \$6.00	
Extra.....	3.00 to 4.00	
No. 1.....	1.00 to 2.00	
Golden Gates.....	4.00 to 6.00	
Kaiserin.....	4.00 to 6.00	
Liberty.....	3.00 to 5.00	
Meteor.....	3.00 to 5.00	
Perle.....	3.00 to 4.00	
Sunrise.....	3.00 to 4.00	
Carnations, Commons.....	1.00 to 1.50	
Fancies.....	2.00 to 3.00	
Adiantum Cuneatum.....	1.00 to 1.25	
Adiantum Farleyense.....	1.00 to 1.25	
Asparagus plumosus, Strings.....	35.00 to 50.00	
Sprengerl, Sprays.....	1.00 to 1.50	
Sprengerl,.....	1.00 to 1.50	
Asters.....	2.00 to 3.00	
Callas.....	5.00 to 8.00	
Daisies.....	.20 to .50	
Gladioli.....	3.00 to 4.00	
Hollyhocks.....	1.00 to 1.50	
Lily of the Valley.....	3.00 to 4.00	
Smilax.....	15.00 to 18.00	
Stocks.....	1.50 to 2.00	
Sweet Peas.....	.25 to .35	
Galax.....	.15	
Common Ferns.....	.20	

Cincinnati, June 24.

	Per 100	
Beauties, Specials.....	\$25.00	
Extra.....	\$15.00 to 20.00	
No. 1.....	10.00 to 12.50	
Shorts.....	4.00 to 6.00	
Brides and Maids, extra.....	4.00 to 6.00	
No. 1.....	4.00 to 5.00	
No. 2.....	2.00 to 3.00	
Golden Gates.....	2.00 to 6.00	
Liberty.....	2.00 to 6.00	
Meteor.....	2.00 to 6.00	
Perle.....	2.00 to 4.00	
Carnations, Commons.....	1.00	
Selects.....	1.50 to 2.00	
Fancies.....	2.00 to 3.00	
Adiantum Cuneatum.....	.50 to 1.50	
Asparagus plumosus, Strings.....	50.00	
Sprengerl, Sprays.....	2.00 to 3.00	
Callas.....	6.00 to 8.00	
Daisies.....	.25 to 1.00	
Lilium Longiflorum.....	10.00	
Lily of the Valley.....	3.00 to 4.00	
Pansies.....	.50	
Smilax.....	12.50 to 15.00	
Stocks.....	3.00 to 5.00	
Sweet Peas.....	.25 to .50	
Galax.....	\$1.00 per 1000	.15
Leucothoe.....	.50	
Common Ferns.....	\$1.50 per 1000	.15

FAIRBURY, ILL.—Kring Bros. will have 25,000 feet of glass in carnations next season.

BATAVIA, N. Y.—Florist Jas. Conway has put out 15,000 bedding plants at the State School for the Blind.

"IF IN DOUBT," consult the Florists' Manual, by Wm. Scott. It covers the whole field of commercial floriculture and you can quickly find in it the experience of a practical man bearing upon the doubtful point.

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.
Manufacturers of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.
1122 PINE STREET, ST. LOUIS, MO.
Mention The Review when you write.



H.G. Berning

WHOLESALE FLORIST.

1322 Pine Street, ST. LOUIS, MO.

HOLTON & HUNKEL CO. WHOLESALE FLORISTS.

MILWAUKEE, - WIS.
Mention The Review when you write.

Wm. Murphy,

Grower and Commission Dealer in.....
Cut Flowers and Florists' Supplies,
Telephone Main 980.
130 E. 3d Street, CINCINNATI, OHIO.
Mention The Review when you write.

Lily of the Valley

of good quality always on hand.
AUGUST JURGENS,
134 to 144 Herndon St. CHICAGO.
Mention The Review when you write.

J. M. McCULLOUGH'S SONS

Wholesale

FLORISTS

ALSO SUCCESSORS TO

THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

316 Walnut St., CINCINNATI, OHIO.

Wholesale Cut Flower Prices.

Boston, June 24.

	Per 100.	
Beauties, Specials.....	\$25.00	
Extra.....	\$15.00 to 20.00	
No. 1.....	10.00 to 12.00	
Shorts.....	4.00 to 8.00	
Brides and Bridesmaids, Specials.....	12.00	
Extra.....	8.00 to 10.00	
No. 1.....	6.00	
No. 2.....	3.00 to 4.00	
Carnot.....	4.00 to 12.00	
Golden Gate.....	4.00 to 8.00	
Jacqueminot.....	4.00 to 8.00	
Kaiserin.....	4.00 to 16.00	
Liberty.....	4.00 to 16.00	
Meteor.....	4.00 to 10.00	
Mrs. Morgan.....	4.00 to 8.00	
Perle.....	4.00 to 8.00	
Ulrich Brunner.....	4.00 to 25.00	
Carnations, Common.....	2.00	
Selects.....	3.00	
Fancies.....	4.00 to 6.00	
Adiantum Cuneatum.....	.50 to 1.00	
Asparagus plumosus, Strings.....	50.00	
Sprengerl, Sprays.....	1.00 to 2.00	
Sprengerl,.....	1.00 to 4.00	
Callas, Scarce.....	10.00	
Gladioli.....	8.00	
Lilium Longiflorum, Few.....	3.00 to 5.00	
Lily of the Valley.....	1.00	
Mignonette, Ordinary.....	20.00	
Smilax.....	1.00 to 8.00	
Stocks.....	.35 to .75	
Sweet Peas.....	.15	
Galax.....	.15	
Common Ferns.....	.15	

Buffalo, June 24.

	Per 100	
Beauties, Specials.....	\$20.00 to \$25.00	
Extra.....	12.50 to 15.00	
No. 1.....	8.00 to 10.00	
Shorts.....	4.00 to 5.00	
Brides and Maids, Extra.....	6.00 to 8.00	
No. 1.....	4.00 to 5.00	
No. 2.....	2.00 to 3.00	
Carnot.....	3.00 to 8.00	
Cusin.....	2.00 to 6.00	
Golden Gate.....	2.00 to 6.00	
Jacqueminot.....	2.00 to 3.00	
Kaiserin.....	3.00 to 8.00	
Liberty.....	3.00 to 10.00	
Magna Chata.....	2.00 to 3.00	
Mrs. Morgan.....	3.00 to 6.00	
Perle.....	3.00 to 6.00	
Sunrise.....	2.00 to 5.00	
Carnations, Common.....	1.00 to 1.25	
Selects.....	1.50 to 2.00	
Fancies.....	2.50 to 3.00	
Novelties.....	4.00 to 5.00	
Adiantum Cuneatum.....	.60 to 1.00	
Farleyense.....	8.00 to 10.00	
Asparagus plumosus, Strings.....	40.00 to 60.00	
Sprengerl, Sprays.....	1.00 to 2.00	
Sprengerl,.....	1.00 to 5.00	
Iris.....	1.00 to 2.00	
Gladioli.....	4.00 to 5.00	
Lilium Harrisii.....	15.00	
Longiflorum.....	15.00	
Lily of the Valley.....	3.00 to 5.00	
Smilax.....	12.50 to 15.00	
Sweet Peas.....	.25 to .75	
Water Lilies.....	1.00 to 5.00	
Galax.....	.15 to .20	
Common Ferns.....	.10 to .15	

ALBANY, N. Y.—On June 13 the secretary of state licensed the incorporation of the United States Cut Flower Co., capital \$600,000; directors, D. D. Weaver, G. C. St. John and A. H. Mattox, New York.

FRANK M. ELLIS,

Wholesale Florist,

1316 Pine Street,

St. Louis, Mo.

PLENTY OF STOCK IN ALL FLOWERS IN SEASON.

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New Crop Fancy or Dagger Ferns

75c per 1000. Discount on large orders. Contracts made to supply the year round. Use our **Laurel Festooning** for your June decorations. It's the best decorating material to be found for weddings, etc.; price 4c, 5c and 6c per yd. **Galax Leaves, Green or Bronze**, 75c per 1000. **Mosses** etc Everything in the hardy supplies and gathered fresh daily. Send us your wants and be well satisfied.

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CLEVELAND.

The wholesale florists find trade excellent, the demand being larger than the supply, and almost everything ordered before it is cut. Prices hold firm, with a slight inclination upward. The commencements are about over and have called for large quantities of flowers, but the June weddings are still on and many large orders are booked for the remaining days of the month. This work has been well divided among the florists and each one seems to have his share of it.

Geo. Jewett, who has been on the sick list for two months, is around, looking much the worse for his enforced vacation, but pleased to think he is again able to look after his business. Isaac Kennedy is also on the road to recovery, being able to get around but not doing any work. His sickness has delayed the planting of his new houses and his many friends among the trade have been showing their sympathy in a practical manner by taking off their coats and putting the finishing touches on the buildings and planting the roses. On a recent visit six of our representative florists were found there, as busy as bees, helping where help was needed. It was a sight worth seeing and proof that florists are not always carrying a knife ready for use on a neighbor. A closer fellowship would be advantageous in many ways.

BATAVIA, ILL.—The Bellevue Place Co. is building four houses 23x153 and one 23x64.

BOSTON.

A marked improvement in the demand on Saturday of last week, while stock was still very plentiful, was the first surprise, and when the demand kept up and the supply began to fall away, things immediately became interesting. The receipts diminished until it seemed that never at this time of year have flowers been so scarce. For three or four days the situation was acute. But supplies have now slightly increased and eased the market very much indeed. But we must "wait till the clouds roll by" before anything definite can be stated. The plants were exhausted by the long, hot, dry spell and so much rain and cloudy weather has followed that the growers hardly know "where they are at." It may be impossible to get another good cut from the old plants and it looks as though this would be a good time to have a nice steady supply of outdoor carnations.

The era of good feeling extends to the bedding plant department. Such goods are selling well, good stock bringing 25 to 50 per cent more than last year and poor stock twice as much.

The rose and strawberry show at Horticultural Hall, June 16 and 17, was the usual success; most of the exhibitors being well known amateurs.

J. S. MANTER.

BALTIMORE.

Rain and showers, showers and rain make up the weather history of the past week. The temperature keeps below the normal average, but weeds flourish so as to keep almost ahead of the plants, and it is impossible to cultivate the ground. Trade in cut flowers was inactive the early part of the week, but towards its close showed more spirit and pretty much everything was moved off. Prices are naturally on the downward course. Today, June 22, the supply was light but the demand equally so, and the indications are that the dull season is upon us. Roses are poor in quality, though carnations, thanks to the cool nights, are better than the average at this season. A good many houses are being emptied and replanting is the order of the day.

Alexander Scott has returned to Baltimore much improved in health.

Richard Vincent Jr. and wife are on a trip to the other side of the water.

B.

WASHINGTON.

Trade continues very quiet. Commencements of all kinds seem to be over with. Stock of all kinds is getting very short on account of growers preparing to replant. Teas of all kinds bring \$2 to \$3; carnations, \$1 to \$2; peas, 25 cents per 100.

A. Gude & Bro. have already refilled two of their large houses with soil, ready for planting. They will this season depend on northern grown carnations for planting, on account of losing so many on their ground by stem-rot.

J. R. Freeman says he will not be caught on coal this winter. He not only bought but has it in.

N. Studer reports his best season for bedding plants, everything sold out.

C. Schellhorn has a fine field of carnations, the season having been very favorable.

June 19 was the date set for the three cornered bowling match for the Kramer

cup, but at the last minute Philadelphia telegraphed that they could not get a team together. It was a nice game between Washington and Baltimore. Capt. Ernest is proud of his team. A. F. Schroth has offered them five gold medals if they win at Milwaukee. Here is the score:

Washington.	1st.	2d.	3d.	Total.
Cooke	169	180	149	498
Shaffer	164	201	119	484
Barber	190	218	157	574
Wolf	168	141	162	471
Ernest	203	159	150	512
Totals.....	903	890	737	2530

Baltimore.	1st.	2d.	3d.	Total.
Richmond	192	138	153	483
Boone	139	153	146	438
Lehr	166	160	146	472
Halliday	146	152	172	470
Seybold	170	161	159	490
Totals.....	813	764	776	2353

F. H. KRAMER.

MINNEAPOLIS.

A sweet pea show has been arranged by the Journal, to be held August 5, 6 and 7. There are a number of classes for sweet peas grown by amateurs, also classes for asters, dahlias, nasturtiums, verbenas, gladioli and other garden flowers, with liberal premiums in each, contributions to the fund having been made by the Donaldson Greenhouses, Prior Seed Co., Northrup, King & Co., Miss C. H. Lippincott, Minneapolis Floral Co., R. J. Mendenhall, R. Wessling, Aug. Swanson, Miss White, E. Nagel & Co., O. A. Will, Rice Bros., J. Souden and H. A. Sauer, \$354 in all. The manager of the show is H. L. Patthey.

THRIPS?

Kindly give me information in relation to a disease or difficulty of some kind, formed on the buds in my rose house. The plants are growing nicely and the foliage in a perfectly healthy condition. I have some American Beauties, Brides, Kaiserins, Maids, Carnots and Perles. The American Beauties are particularly affected with a deformity in the bud. The Kaiserins, Brides and Maids do not seem to be deformed so much, but all have a tinge of wilted and dry petals as they come into bloom, so that the flower has several dead and wilted leaves on the outside.

W. L.

So far as I can judge, this seems to be a case of Mr. Thrips. In this I may be mistaken, but as I have no other evidence than the letter it is the only conclusion I can come to. I would suggest that he forward a few blooms and pack them so they would arrive in a fairly fresh condition, and I will do my best to fathom his troubles.

RIBES.

HOLD THE EXPRESS COMPANY.

The attached letter from a customer may give you an idea of some of the things in the wild and woolly west which serve to relieve the monotony of the florists' work days, sixteen hours long.

W. H. C.

Gentlemen and Ladies: Enclosed find stamps to cover your bill of \$1.15. We note memorandum at bottom of bill in regard to the arrangement of the blue moonvines in the south end and the white in the north end of the box. We desire to thank you kindly for your thoughtfulness; however, beg to advise that, upon arrival here, neither end of the box was north or south, as the box sat east and west, therefore presume we will have a mixed up, inferior grade of vines. The box evidently got turned around in transit, which fact we are unable to account for. However, will do the best we can under the existing circumstances.

CLASSIFIED PLANT ADVERTISEMENTS.

Rate for advertisements under this head, 10 cents a line net, per insertion. New advs. and changes must reach us by Wednesday morning at latest to secure proper classification in issue of Thursday.

ABUTILONS.

Abutilons, trailing var. and green, 8 and 4-in., extra large, fine, 6c. Smaller ones, 40c doz. Geo. M. Brinkerhoff, Springfield, Ill.

Abutilons in variety, 2 1/2-in., \$2.50 100; \$20.00 1000. R. Vincent, Jr., & Son, White Marsh, Md.

Abutilons, assorted, 2 and 2 1/2-in., \$1.50 100. Cash. C. A. Reeser Co., Urbana, O.

Abutilons Eclipse and splendens, 3-in., \$3.00 100. J. G. Elsele, 20th and Ontario Sts., Phila.

ACALYPHAS.

Acalypha Macafeeana, \$3.50 100. R. Vincent, Jr., & Son, White Marsh, Md.

BUSINESS BRINGERS—
REVIEW Classified Advs.

AGATHAEAS.

Agathaea coelestis, 2 and 2 1/2-in., \$2.00 100. Cash. C. A. Reeser Co., Urbana, O.

AGERATUMS.

Ageratum Stella Gurney, 2 1/2-in., strong plants, \$2.50 per 100; \$20.00 per 1000. Cash with order. S. Muir, 3530 Michigan Ave., Chicago.

Ageratums P. P. and Stella Gurney, 2 1/2-in., \$1.25 100, \$12.00 1000. Cash. Buckley Plant Co., Springfield, Ill.

Ageratums, the dwarf dark blue, \$3.00 100. Albert Fuchs, 2045-59 Clarendon Ave., Chicago.

Ageratums, 3-in., 3c ea., \$25.00 1000. M. F. La Roche, Collingdale, Pa.

ALTERNANTHERAS.

Alternanthera aurea nana, \$1.50 100, \$12.50 1000; Hermsdorf, new, fine, \$2.50 100, \$20.00 1000. 2 and 2 1/2-in. Cash. C. A. Reeser Co., Urbana, O.

Alternantheras, red and yellow; strong 2 1/2-in. stock, \$20.00 per 1000. D. Newlands & Co., 1089 W. Delavan Ave., Buffalo, N. Y.

Alternanthera, 1000 red, 1000 yellow, \$2.00 100. Cash. CHAS. A. KNAPP, Chestnut Hill, Philadelphia.

Alternantheras, red, yellow and pink, bushy plants, \$2.00 per 100. Chas. A. Juengel, 1837 S. 14th St., St. Louis, Mo.

Alternantheras, red, yellow and pink, 2-inch, \$2.00 100. A. J. Baldwin, Newark, Ohio.

Alternantheras, red and yellow, 2 1/2-in., \$2.00 100. Cash. S. M. Harbison, Danville, Ky.

Alternantheras, red and yellow, 2 1/2-in., \$2.50 100. W. J. & M. S. Vesey, Fort Wayne, Ind.

Alternantheras, 2 1/2-in., \$1.50 per 100. Texas Nursery Co., Sherman, Tex.

ALYSSUM.

Alyssum, dbl. Giant, 2 1/2-in., \$1.25 100; \$12.00 1000. Cash. Buckley Plant Co., Springfield, Ill.

Double sweet alyssum, 2 and 2 1/2-in., \$1.50 100. Cash. C. A. Reeser Co., Urbana, O.

AMPELOPSIS.

Ampelopsis Veltheil, 3-in., 5c; 4-in., 10c; 5-in., 15c. Packing free for cash. W. H. Salter, Rochester, N. Y.

ANTHERICUMS.

Anthericum variegatum, 3-in., 75c per doz.; 4-in., \$1.00 per doz., \$8.00 100. F. WALKER & CO., Louisville, Ky.

Anthericum variegatum, 3-in., \$3.00 100. J. G. Elsele, 20th and Ontario Sts., Phila.

AQUATICS.

WATER LILIES AND AQUATIC PLANTS. We have a fine collection of the above, true to name. Send for price list. Edw. S. Schmid, 712 12th St., N. W., Washington, D. C.

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Araucaria excelsa, raised in Belgium from top cuttings only.

	Tiers.	High.	Each.
5 1/2-in. pots	2 to 3	8 to 10 in.	50c
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6-in. pots, 4 to 5 tiers, 16 to 18 inches high.			80c, 90c and \$1.00 each.

GODFREY ASCHMANN, 1012 Ontario St., Philadelphia, Pa.

Araucaria excelsa, 2 to 3 tiers, \$5.25 per doz.; 3 to 4 tiers, \$7.50 per doz. The CONARD & JONES CO., West Grove, Pa.

Araucaria excelsa, 2-in., 1 to 2 tiers, \$16.00 100. Araucaria imbricata, 2 1/2-in., strong, stocky, \$10.00 100. F. LUDEMANN, 3041 Baker St., San Francisco, Cal.

ASPARAGUS.

Asparagus plu. nanus, 2 1/2-in. pots, 50c doz., \$3.00 100, \$25.00 1000. A. Sprenger, 2 1/2-in. pots, 40c doz., \$2.00 100, \$17.50 1000; 3-in. pots, fine, 75c doz., \$5.00 100; 25 at 100 rate, 250 at 1000 rate. Good & Reese Co., Springfield, O.

Asparagus Sprenger, 2 and 2 1/2-in., strong, \$2.00 100, \$15.00 1000; A. plumosus nanus, 2 and 2 1/2-in., equal to 3 and 4-in., \$3.00 100, \$25.00 1000. Cash. C. A. Reeser Co., Urbana, O.

Asparagus plumosus nanus, out of 2 1/2-in. pots, \$3.00 100; \$25.00 1000. Sprenger, out of 2 1/2-in., \$2.25 100; \$20.00 1000. Cash with order. LIVINGSTON SEED CO., Columbus, O.

Asparagus Sprenger, 2-in., \$2.00; 3 1/2-in., \$2.50; 3-in., \$3.00 100. A. plumosus nanus from flats, \$2.00 100; \$15.00 1000. Express prepaid. Loomis Floral Co., Loomis, Cal.

Asparagus plumosus plants, 2-yrs.-old, \$5.00 100; fine for strings. Asparagus Sprenger, 2 1/2-in. pots, extra, \$2.50 100. JOSEPH WOOD, Spring Valley, New York.

Asparagus Sprenger, from flats, \$1.00 100, \$8.00 1000; 5000 for \$25.00; 2 1/2-in., \$1.50 100, \$12.50 1000. S. Whitton, 15 Gray Ave., Utica, N. Y.

Asparagus Sprenger, 2 1/2-in., \$3.00; 3-in., \$4.00; 4-in., \$5.00; 5-in., \$15.00; 6-in., \$25.00 100. J. H. Bornhoeft, Tipton, Ind.

Asparagus Sprenger, 4-in., \$7.00 100; 2 1/2-in., \$3.00 100. Cash. Samuel J. Bunting, Elmwood Ave. and 58th St., Philadelphia, Pa.

10,000 strong. Asparagus Sprenger, 2 1/2-in., \$20.00 per 1000. Samples sent on application. WALKER & McLEAN, Youngstown, O.

Asparagus Sprenger, 2-in. pots, \$2.00 100. A. plumosus nanus, July, \$2.50 100. Cash. Jos. H. Cunningham, Delaware, Ohio.

Asparagus plumosus, 2, 2 1/2, 4 and 5-in. A. Sprenger, seedlings, 2, 3 and 4-in. Geo. A. Kuhl, Pekin, Ill.

Asparagus Sprenger, 2 1/2-in., extra strong, \$3.00 100. Ready for 3 and 4-in. now. Geo. M. Brinkerhoff, Springfield, Ill.

Asparagus Sprenger and A. plumosus nanus, 2-in., \$3.00 100; \$25.00 1000. ISAAC H. MOSS, Govanstown, Baltimore, Md.

Asparagus Sprenger and plumosus, extra strong, 2-in., \$30.00 1000. C. BETSCHER, Canal Dover, O.

Asparagus Sprenger, 8-in., \$8.00 100. John Breitmeyer's Sons, Detroit and Mt. Clemens, Mich.

ASPARAGUS PLUMOSUS NANUS.

Cut strings, 50 cents each. W. H. ELLIOTT, BRIGHTON, MASS.

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Asparagus plumosus nanus, 50c doz.; \$3.00 100. G. M. Naumann, Doan St., Cleveland, O.

Asparagus plumosus, 4-in., \$10.00 100. Crown Point Floral Co., Crown Point, Ind.

Asparagus plumosus, all sizes. A. S. MACBEAN, Lakewood, N. J.

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Asters, all the best var., 60c 100, \$5.00 1000. Chnverse Greenhouses, Webster, Mass.

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Bananas, well rooted plants by express, \$2.00 doz. Bulbs, \$1.50, postpaid. SOUTH FLORIDA NURSERY CO., Dade City, Fla.

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Bay Trees. Have just received a fine lot of standards and pyramids. F. W. O. Schmitz, Prince Bay, N. Y.

Bay Trees. Largest stock in America. JULIUS ROEHRS, Rutherford, N. J.

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Begonia Vernon, 2 1/2-in., strong plants, \$2.50 per 100; \$20.00 per 1000. Cash with order. S. Muir, 3530 Michigan Ave., Chicago.

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Rex begonias, a number of the best varieties, 2-in., \$4.00; 2 1/2-in., \$6.00 100. N. O. CASWELL, Delavan, Ill.

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Begonias, assorted, 2 and 2 1/2-in., \$2.00 100. Cash. C. A. Reeser Co., Urbana, O.

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Jerusalem cherries and Japanese peppers, 2 1/2-in., \$2.50 100. M. F. La Roche, Collingdale, Pa.

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Bouvardias, double pink, white and single scarlet, \$3.00 100. Levant Cole, Battle Creek, Mich.

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Callas and Freesias. Ready for delivery during July and August. Will book your order now at the following prices: Callas, 1 to 1 1/2-in. in dia. at \$3.00 per 100; 1 1/2 to 2-in. in dia. at \$5.50 per 100; 2 to 2 1/2-in. in dia. at \$7.50 per 100. Freesias, 1/2-in. in dia. at \$3.00 per 1000; 1/2-in. in dia. at \$4.25 per 1000; 3/4-in. in dia. at \$7.50 per 1000. Packing free. We also offer the following palm seeds: Phoenix canariensis at \$1.00 per 1000; Phoenix reclinata at \$4.00 per 1000; Washingtonia filifera at 75c per lb. (in hull); Washingtonia robusta at \$1.00 per lb. (in hull). Cash with order from unknown parties. GERMAIN SEED & PLANT CO., Los Angeles, Cal.

TUBEROSES. Dwarf Excelsior Double Pearl. Mammoth bulbs, 4 to 6-in. and over, 60c 100, \$4.50 1000; second size, 3 to 4-in. and over, 5000 for \$10.00, 25c 100, \$2.25 1000. JOHNSON & STOKES, 217-219 Market St., Philadelphia, Pa.

100,000 paper white narcissus bulbs, Calif. grown; all fine flowering bulbs. Ready for delivery from June 15 to Oct. 1, \$6.00 1000. Cash with order. Geo. Rosmarin, 1419 Bay St., Alameda, Cal.

Tuberoses, the true dwarf Excelsior Pearl, extra fine stock, 4 to 6 in. circ., \$7.00 1000; 3 to 4 in., \$3.00 1000. F. W. O. Schmitz, Prince Bay, N. Y.

FREESIA BULBS, 1 1/2-in. and up, \$3.00 per 1000; 1 1/4 to 1 1/2-in., \$1.25 per 1000. Prepaid. Cash with order. COTTAGE NURSERY, San Diego, Cal.

We shall be pleased to quote you prices on L. HARRISII, L. LONGIFLORUM and all other bulbs. J. M. Thorburn & Co., 36 Cortlandt St., N. Y.

American-grown bulbs of narcissi and daffodils, for August delivery. Send for list and prices. POAT BROS., Ettricks, Va.

Bulbs. Plants. Seeds. Hyacinths. Tulips. Narcissus. Lilies, etc. Special prices on application. JAMES VICK'S SONS, Rochester, N. Y.

Freesia refracta alba, ready July 1. Calla ethiopica, ready August. Order early. H. H. Berger & Co., 47 Barclay St., N. Y.

Calla bulbs, 1 1/2 to 2-in., Aug. 1 delivery, \$5.00 100; express prepaid. California Carnation Co., Loomis, Cal.

Send for our bulb and plant catalogue. NANZ & NEUNER, Louisville, Ky.

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Cacti, \$5.00 to \$8.00 per 100.

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REVIEW Classified Advs.

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Caladium New Century, the flowering caladium, 60c doz., \$4.00 100. Good & Reese Co., Springfield, O.

Caladiums, fine plants, 3 to 10 leaves, 3-in., \$5.00; 4-in., \$8.00 100.

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Cannas. Fine plants, 12 to 15 inches high. Paul Marquant and A. Bouvier, \$3.00 per 100. The new orchid canna, Burbank; color rich canary yellow, with a few carmine spots in the throat; giant orchid-like flowers; a vigorous grower and a fine variety. Price \$2.50 per 100. Will sell or exchange. What have you? THE FAIRVIEW FLORAL CO., Beatty, Ohio.

Cannas, started, ready for potting. Egandale, Souv. de Antoine Crozy, Florence Vaughan, \$3.00 100. Alphonse Bouvier, Burbank, Chas. Henderson, J. O. Vaughan, \$2.50 100. Peachblow, Shenandoah, Morning Star, L. E. Bally, \$2.00 100. Our selection, \$2.00 100. The above varieties, 3-in pots, price \$5.00 per 100.

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CANNAS. An exceptionally fine lot of cannas, 4-in. pots of the following varieties: Florence Vaughan, A. Bouvier, Burbank, E. Crampbell, Midway and Sec. Nicholas, at \$6.00 per 100. J. F. WILCOX, Council Bluffs, Iowa.

Cannas Pierson, Henderson, Mme. Crozy, Souv. de Crozy, McKinley, Burbank, Alemana, F. Vaughan, Queen Charlotte and Egandale from 3 and 4-in pots, \$5.00 and \$7.00 100. Cash with order. W. E. HALL, Clyde, Ohio.

Cannas. Fine, large plants, in 4-in. pots, ready for immediate planting, \$6.00 100. Burbank, Elliott, Henderson, McKinley, Vaughan, Crozy, etc. W. J. & M. S. Vesey, Fort Wayne, Ind.

Cannas Bouvier, Burbank, Charlotte and Cleveland, 3-in., 12 to 18 inches high, \$2.50 100. Cash. S. M. Harbison, Danville, Ky.

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English ivy, large and small leaved varieties, 2 1/2-in., \$2.00 100; \$18.00 1000.
F. WALKER & CO., Louisville, Ky.

English ivy, 3 to 5 ft. long, 10c. Hamilton Floral Co., 1180 No. Hamilton Ave., Chicago.

English ivy, 2 1/2-in. pots, \$2.50 per 100.
WM. STUPPE, Westbury Station, L. I., N. Y.

JASMINES.

Jasminum revolutum, yellow, 2 and 2 1/2-in., \$1.50 100, \$12.50 1000. Cash.
C. A. Reeser Co., Urbana, O.

JUSTICIAS.

Justicia or Flame flower, 2 sorts, fine plants, 30c. doz., \$2.00 100, \$20.00 1000.
Good & Reese Co., Springfield, O.

The CHEAPEST way, the EASIEST way, and the BEST way to get rid of that surplus stock is to use the REVIEW'S classified advs.

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Lantanas, dwf. flowering, in best sorts, 40c. doz., \$2.00 100, 25 at 100 rate; 250 at 1000 rate.
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Lantanas, assorted, 2 and 2 1/2-in., \$1.50 100. Cash.
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Ponderosa lemon, 2 and 2 1/2-in., \$2.50 100; \$25.00 1000. Cash. C. A. Reeser Co., Urbana, O.

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LILY OF THE VALLEY, finest I ever had, \$4.00 per 100. Extra selected, \$5.00 per 100. Cash with order, please.

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Lily of the valley, cold-storage, finest in the market, \$14.00 1000; \$1.50 100. Cut valley always on hand.

H. N. Bruns, 1409 W. Madison St., Chicago.

Cut lily of the valley of good quality always on hand.

August Jurgens, 134 Herndon St., Chicago.

LOBELIAS.

Lobelias, dwarf, beautiful, 2c. Hamilton Floral Co., 1180 N. Hamilton Ave., Chicago.

Lobelia Kaiser Wilhelm, 2-in., \$2.00 100.

J. G. Elsele, 20th and Ontario Sts., Phila.

Lobelia compacta, 2 1/2-in., \$2.00 100.

R. Vincent, Jr. & Son, White Marsh, Md.

Lobelia Kaiser Wilhelm, \$2.00 100.

Albert Fuchs, 2045-59 Clarendon Ave., Chicago.

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Mignonette Machet, 3-in., showing flower, \$3.50 100.

WM. STUPPE, Westbury Station, L. I., N. Y.
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Moonflowers, white, very strong plants, 2 and 2 1/2-in., \$1.75 100; \$15.00 1000.

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Frequent importations of best grade English mushroom spawn. J. J. Styer, Concordville, Pa.

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Nasturtiums, 3-in., finest colors, both varieties, \$4.00 100.

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Largest stock of established phalaenopsis in America: Amabilis, amethystina, Luddmanniana, rosea and Schilleriana, at \$2.50, \$3.00, \$4.00 and \$5.00 each to make room. Cattleyas in variety at half the usual prices. 100 Odontoglossum crispum, fine, at \$1.00 each. Also other choice orchids at reasonable prices. Write, but be quick, as they are going fast.

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We have always on hand a stock of established and unestablished orchids. A number of vars., now in sheath and spike. Correspondence solicited. Lager & Hurrell, Summit, N. J.

Orchids. Largest stock of commercial plants in America. Julius Roehrs, Rutherford, N. J.

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Surplus list now ready. Write for it. We have grown peonies extensively for many years and have the largest list of tested varieties to be found in the United States. All stock true name.

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Peonies, very fine list.

C. BETCHER, Canal Dover, O.

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KENTIA BELMOREANA.

From top of pot.....	High. Leaves. Per 100.	
" " " " " " " "	12-in. 4 to 6	\$25.00
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Plants are very fine, home-grown. Cash with order, please.

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Areca lutescens, cool grown, bushy plants, 6-in., 75c each, \$9.00 doz.; 6-in. extra heavy, \$1.00 each, \$12.00 doz.; 8-in., \$2.00 each, \$24.00 doz.; 8-in., extra heavy, \$2.50 each, \$30.00 doz.
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Kentia Belmoreana, 4 yrs. old, 30 to 36 inches high, 5 1/2-in. pots, 75c to \$1.00 each; 25 to 30 inches high, 5 1/2-in. pots, 75c each.

Godfrey Aschman, 1012 Ontario St., Philadelphia.

Three large specimen Cycas revoluta plants with 30 perfect leaves, 42 inches long. Also one very large plant with 40 leaves, 50 inches long.
SCHLURAFF FLORAL CO., Erie, Pa.

Kentias, Lantanas, Phoenix, Areca, Livistona, Pandanus, Ficus, Bostonienalis. Everything for the florist. Grand stock of all kinds. Prices right.
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Livistona chinensis, the true variety (not Latania borbonica), 2-in., \$6.00 100.

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Kentias, fine stock in all sizes; see display advertisement for prices.

BOBBINK & ATKINS, Rutherford, N. J.

Pandanus Veitchii, 6-in., \$1.00 each, \$12.00 doz. A few larger plants.

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Kentias, fine stock in all sizes; see display advertisement for prices.

BOBBINK & ATKINS, Rutherford, N. J.

Lantanas, Phoenixes, Kentias, etc. A fine lot in all sizes and prices.

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Palms and decorative plants. Send for price list. Chas. D. Ball, Holmesburg, Phila. Pa.

Kentias. All sizes, all prices.

L. H. Foster, Dorchester, Mass.

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Petunias, Dreer's db. fringed, 10 novelties, 2 1/2-in., labeled, \$1.50 100; \$14.00 1000. Cash.
Buckley Plant Co., Springfield, Ill.

Dreer's single petunias, 8-in., \$3.00 100.

Crabb & Hunter, Grand Rapids, Mich.

Dbl.-fringed petunias, 2-in., \$2.00 100.

E. I. Rawlings, Quakertown, Pa.

Petunias, single, \$1.50 per 100. Cash.

Geo. L. Miller, Newark, Ohio.

PRIMULAS.

Primula obconica, alba and rosea, Forbesi, \$2.00 100. Chinese primroses, 2-in. pots, July, \$2.00 100. Jos. H. Cunningham, Delaware, Ohio.

Primula obconica, large-flowered, choice plants from 4-in., full of bloom, \$1.50 doz. A bargain.
N. O. Caswell, Delavan, Ill.

Baby primroses, 2 1/2-in., \$2.50 100; 3-in., \$4.00 100.
M. F. La Roche, Collingdale, Pa.

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California Privet. Trenched in, ready to ship. Now is a good time to plant them. 2-year, 2 to 3 feet, cut back, \$23.00 per 1000; 1 1/2 to 2 feet, not cut back, \$19.00 per 1000. Packing Free. Cash with order. Atlantic Coast Nurseries, Office 606 4th Ave., Asbury Park, N. J.

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Resurrection plants, well-shaped. Apply for price.
WILLIAM TELL, Austin, Tex.

ROSES.

Roses, from 2 1/2-in. pots, \$2.00 100; \$15.00 1000. Mosella, Hermosa, Burbank, Clio, climbing Souper, Ivory, Bride, Bridesmaid, Mme. Jos. Schwartz, La France, Mme. F. Kruger, Rainbow, Safrano, Mme. C. Kuster, Jersey Beauty, Manda's Triumph, Gardenia, Universal Favorite, Mrs. Lovett, Greville or Seven Sisters, Henry Martin and pink moss. 25 at 100 rate; 250 at 1000 rate.
GOOD & REESE CO., Springfield, O.

Bride, Bridesmaid, Golden Gate, Ivory, Oliver Ames and Perle rose plants, good stock, 2 1/2-in., \$3.00 100, \$25.00 1000; 3-in., \$4.00 100, \$35.00 1000. American Beauty, 2 1/2-in., \$6.00 100, \$50.00 1000. American Beauty, bench plants, \$4.00 100, \$30.00 1000.
GEO. REINBERG, 51 Wabash Ave., Chicago.

Bride and Maid roses, 2-yr.-old, cut back, \$2.00 100.
John Brod, Niles Center, Ill.

Sunrise, 2 1/2-in.....	100.	1000
Golden Gate, 2 1/2-in.....	\$7.00	\$65.00
Meteor, 3 1/2-in.....	2.50	20.00
Perle, 3-in.....	4.50	37.50
Liberty, 3-in., fine stock.....	5.00	45.00
Ivory, 3-in.....	10.00	80.00
Beauty, 3-in.....	5.00	45.00
American Beauty, bench plants, cut down to 12-in., \$5.00 100; \$45.00 1000.	7.00	65.00

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded. Cannot accept orders for less than 50 of a variety.

P. REINBERG, 51 Wabash Ave., Chicago.

Grafted roses, fine bushy plants, 3 1/2 and 4-in. pots.

Liberties .....100.	Brides .....100.
Ivorys .....18.00	Golden Gates ..15.00
Bridesmaids ...15.00	Kaiserlins .....15.00

Send for catalogue.

J. L. DILLON, Bloomsburg, Pa.

Rose plants ready to plant or shift.

Beauties, 2 and 2 1/2-in.....	100.	1000.
" " " " " " " "	\$5.00	\$45.00
3-in.....	7.00	60.00
Maid, 3-in.....	6.00	55.00
Brides, 2 1/2-in.....	3.50	30.00

A. O. CANFIELD, Springfield, Ill.

Rose plants, 2 1/2-in., in fine condition, cheap to clean out. GOLDEN GATE, \$2.50 100; \$20.00 1000. AMERICAN BEAUTIES, \$4.00 100; \$35.00 1000. AMERICAN BEAUTY, bench plants cut to 12 inches, \$5.00 100; \$40.00 1000.
JOHN MUNO, 51 Wabash Ave., Chicago.

Rose plants, strong, from 3-in. pots. American Beauty, \$6.00 per 100; \$55.00 per 1000. Maid, Bride, Gate, \$4.00 per 100; \$35.00 per 1000. Ivory, \$3.50 per 100; \$30.00 per 1000.

M. Winandy, 406 Devon Ave., Chicago, Ill.

Surplus stock in prime condition. Oliver Ames, Cusin, Morgan, Perle, Meteor, Bridesmaid, Bon Silene, Isabella Sprunt, Safrano. Write for prices.
John Breitmeyer's Sons, Detroit and Mt. Clemens, Mich.

American Beauty, 1000 3-in., fine, clean stock; \$7.00 per 100. Perles, 3-in., \$7.00; 4-in., \$12.00. Meteors, 4-in., \$10.00 per 100. All A No. 1 stock.

Pittsburg Rose & Carnation Co., Valencia, Pa.

American Beauties, 2 1/2-in.....\$ 8.00 per 100
American Beauties, 3 1/2-in.....10.00 per 100
Well branched and clear of black spot. Cash with order.

ROSEMONT GARDENS, Montgomery, Ala.

Rose plants, 2 1/2-in.....	100.	1000.
Bride	\$2.50	\$20.00
Bridesmaid	2.50	20.00
Golden Gate	2.50	20.00

Geo. W. Waterfield, Chestnut Hill, Phila, Pa.

Surplus stock, fine plants, as follows: 1100 Hoste, 200 Ivory, 400 Brides, 600 Maids, 450 Gates, 200 Sunset, 100 Perle, 3 1/2-in., \$6.00 per 100, 550 Beauty, 3 1/2-in., \$8.00 per 100.

P. R. QUINLAN & CO., Syracuse, N. Y.

Grafted roses, in 4-in. pots; fine, healthy stock, \$15.00 per 100. Bride and Bridesmaid, 2 1/2-in. pots, own roots, \$25.00 per 1000.
T. O'Connor, Blackstone Blvd., Providence, R. I.

5000 Brides and 5000 Bridesmaids, 4-in., \$40.00 1000. 2000 Brides and 2000 Bridesmaids, 3-in., \$30.00 1000. 500 Kaiserlins, 8-in., \$30.00 1000. All good, strong stock. Cash with order.

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2000 Perle, 2000 Kaiserlin, 2000 La France, 2000 Pink and White Cochet, 1500 Hermosa, 3-in. pots, \$4.00 100; 5000 Souper, 2 1/2-in. pots, \$3.00 100.

J. D. BRENNEMAN, Box 24, Harrisburg, Pa.

3000 Golden Gates, 3-in.....	\$3.00 100
3000 Brides, 3-in.....	4.00 100
3000 Maids, 3-in.....	4.00 100

FRANK GARLAND, Des Plaines, Ill.

Roses out of 2 1/2-in. pots; thrifty plants of Brides and Bridesmaids, \$3.50 100; \$30.00 1000. Golden Gates, \$2.50 100; \$20.00 1000.

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Fine Beauties, from benches, \$8.00 per 100; \$75.00 per 1000. Fine Liberties, grafted, 2 years old, from benches, \$15.00 per 100.

J. F. WILCOX, Council Bluffs, Iowa.

Fine American Beauty plants, from bench, \$60.00 1000; Kaiserlins, from bench, \$50.00 1000. Golden Gates, 2-in., \$20.00 1000.

J. Henry Bartram, Box 5, Lansdowne, Pa.

Liberty roses, 400 2-yr.-old, from bench; excellent stock. On account of going into palms exclusively, \$100.00 for the lot.

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SURPLUS ROSES, fine stock for benching. Am. Beauties, 3 1/2-in., \$10.00 100; white and pink La France, 3-in., \$6.00 100.

Nanz & Neuner, Louisville, Ky.

Sunrise, a healthy, free-blooming rose of beautiful saffron color. Every florist should plant it. Price, 3-in., \$9.00 100.

J. WELSH YOUNG, Germantown, Pa.

Meteor, Perle and Gate roses, good plants, \$5.00.
Levant Cole, Battle Creek, Mich.

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ROSES—Continued.

Rose plants to clear out, 2-in. strong, clean stock. **AMERICAN BEAUTIES**, \$40.00 1000. **IVORY**, \$20.00 1000.

J. A. BUDLONG, 37 Randolph St., Chicago.

Meteor rose plants, 3½-in., \$4.50 100; \$37.50 1000; guaranteed extra choice. Cash with order unless known. **BRANT & NOE**, Forest Glen, Ill.

Hardy and other roses, 4 or 5-in., 9c; fine clean plants on own roots. Packing free for cash. **W. H. SALTER**, Rochester, N. Y.

Brides, Maids, Gates, 4-in., \$6.00 per 100; Beauties, 4-in., \$10.00 per 100. First-class stock. **D. O. Pratt**, Anoka, Minn.

American beauty plants, from stock reserved for our own planting, 2½-in., \$4.00; 3-in., \$6.00 100. **Floral Exchange**, Edgely, Pa.

AMERICAN BEAUTIES; young plants from 2x3-in. rose pots, \$6.00 100; \$50.00 1000. **JOSEPH HEACOCK**, Wyncote, Pa.

Young roses, principally Golden Gate, Bride and Maid, 10,000, price on application. **J. R. FREEMAN**, 612 13th St., Washington, D. C.

Fine, clean, young stock, growing nicely. For varieties and prices, see displayed adv. **W. H. Gullett & Sons**, Lincoln, Ill.

American Beauties, Brides, Maids, Perles, G. Gates and Ivory, 3-in. pots, \$6.00 100. **L. J. Stuppy**, St. Joseph, Mo.

Roses for forcing. An exceptionally fine lot of plants. For varieties and prices write **Poehlmann Bros. Co.**, Morton Grove, Ill.

BRIDE and MAID roses, 2½-in. pots, \$4.00 per 100; \$35.00 per 1000. **W. H. ELLIOTT**, Brighton, Mass.

5000 American Beauties, very choice young plants, 2½-in., \$4.00 100. **Bassett & Washburn**, 76 Wabash Ave., Chicago.

Fine forcing roses. Brides and Maids, 2½-in., \$2.50 100; \$22.50 1000. **NATIONAL PLANT CO.**, Dayton, O.

400 Ivory, 2½-in., all from heel cuttings, good stock, \$5.00 per 100. **Chas. F. Seltzer**, 20 Oswego St., Utica, N. Y.

Roses, strong plants. Perles, 3-in., 4c; Meteors, 3½-in., 5c. **Gesler & Drury**, Galesburg, Ill.

300 surplus **BEAUTIES**, 3-in., \$6.00 per 100. **E. C. KECK**, Washington, Iowa.

American Beauties from 3-inch pots, \$7.00 100. **B. Eldredge**, Belvidere, Ill.

2000 Brides, 2½-in. rose pots, \$3.50 100. **W. J. & M. S. Vesey**, Fort Wayne, Ind.

Manetti stocks for fall delivery. **HIRAM T. JONES**, Elizabeth, N. J.

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Can not take orders for **RUBBERS** except for late June delivery. Variegated rubbers not until late in July.

Do not send money with order; will notify when ready. **A. C. OELSCHIG**, Savannah, Ga.

Ficus elastica, imported, 4-in., 25c each. **Godfrey Aschmann**, 1012 Ontario St., Philadelphia.

Branching rubbers, 5-in. pots, 2 to 5 branches, \$5.00 per doz. **WILLIAM A. BOCK**, No. Cambridge, Mass.

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Salvia splendens, The President and Cheaton, 2½-in., \$2.50 100. Cash. **C. P. Dieterich & Bro.**, Maysville, Ky.

Salvia Bonfire, from thumb pots, strong, \$1.50 100. Cash. **The Kaber Co.**, La Porte, Ind.

Salvia Silver Spot, fine, 2½-in., \$3.00 100. **Geo. M. Brinkerhoff**, Springfield, Ill.

Salvia splendens, from 2-in. pots, \$2.00 100. **H. M. WOUNDY**, New Canaan, Conn.

SANSEVIERAS.

Sansevieria zeylanica, 3-in., ready for 5-in., 75c per doz. **A. J. Baldwin**, Newark, O.

SEDUMS.

Sedum variegata, 2½-in., \$2.00 100. **R. Vincent, Jr. & Son**, White Marsh, Md.

SEEDS.

Palm seeds, just arrived from Australia: Areca Baueri, 25c 100; \$2.00 1000 seeds. Kentia Belmoreana and Forsteriana, 35c 100; \$2.50 1000 seeds. Pritchardia Seamanii, \$4.50 100 seeds. Erythea edulis, 75c 100; \$6.00 1000 seeds. **F. LUDEMANN**, 3041 Baker St., San Francisco, Cal.

Long Island grown cabbage seed. Ask for prices for 1903 crop; also on surplus stock 1902 crop. **B. E. Goodale**, Grower, Calverton, L. I., N. Y.

Primula seeds, Chinese fringed and obconica grandiflora, best named sorts and separate colors, 50c per trade packet. **W. C. Beckert**, Allegheny, Pa.

XXX SEEDS. Chinese primroses, large-flowering, fringed, single and double; 15 varieties, mixed, 500 seeds, \$1.00; half pkt., 50c. Cinerarias, large-flowering, dwarf, mixed, 1000 seeds, 50c. Primula obconica grand., large-flowering, 1000 seeds, 50c. Daisy, double giant, white and rose, mixed, 1000 seeds, 25c. Giant pansy seed, large-flowering, critically selected, 5000 \$1.00; half pkt., 50c. Cash. A pkt. of the new ever-blooming forget-me-not, Constance, added to every order.

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Asparagus Sprengeri, fresh crop, 20c 100; \$1.00 1000. A. decumbens, finest novelty, \$1.00 100; \$7.50 1000. Phoenix canariensis (true), 80c 100; \$2.50 1000. P. reclinata (true), 40c 100; \$3.00 1000.

Primula sinensis fimbriata, in pure white, blood red, crimson, rose, white with yellow eye, blue, 25c 100; \$1.75 1000. All colors primulas mixed, 20c 100; \$1.50 1000. Cineraria hybrida max. and dwf., pkt., 25c; 5 pkts., \$1.00. **H. H. BERGER & CO.**, 47 Barclay St., N. Y.

PREMIUM AMERICAN PANSY SEED now ready. **COLUMBIA**, the red, white and blue, 25c per pkt. Extra choice mixed, 10c per pkt., ¼ oz. 50c, ½ oz. 75c, 1 oz. \$2.75. Selected mixed pkt. 15, ¼ oz. 70c, ½ oz. \$1.20, 1 oz. \$4.00. Hesperian mixed, 25c per pkt. Trade pkts. containing triple quantity at double price. Guide to Pansy Culture with catalogue free to any address. **WILLIAM TOOLE**, Pansy Heights, Baraboo, Wis.

PANSY SEED. J. & S. Kingly collection, 30c 1000; 50c 2000; \$1.00 5000; \$5.00 oz. **CINERARIA and CALCEOLARIA** seed, giant flowering, mixed, pkt. 500 seeds, 25c; ½ trade pkt., 60c; trade pkt., \$1.00.

CHINESE PRIMROSE, fringed, mixed, 25c 100; \$1.00 500; \$1.50 1000. **JOHNSON & STOKES**, 217-219 Market St., Philadelphia, Pa.

Zirngel's giant pansies, Market and Fancy strains, are the finest grade this season that we ever sent out, when large size and colors are wanted.

New crop seed ready now. Trade pkt., of either strain, \$1.00 each. **DENYS ZIRNGEL**, Needham, Mass.

Hollyhock seed, sow now, double white, per pkt., 25c; oz., \$1.00. Extra double mixed, per pkt., 25c; oz., 75c. Primula chinensis, fringed, ½ trade pkt., 50c; trade pkt., \$1.00.

D. LANDRETH & SONS, 1217 Market St., Philadelphia.

Pansy seeds, the Jennings strain. New crop seed now ready. Saved from finest stock. Finest mixed, 1 oz., \$5.00; pkt. of 3000 seeds, \$1.00; ½ pkt., 50c. Separate colors in blue, black, red, white and yellow, 50c per pkt. Cash with order. **E. B. JENNINGS**, Southport, Conn.

Asparagus plumosus nanus seed, \$1.00 100; \$7.50 1000. Pedigreed strain of Primula sinensis, double and single, mixed; Primula obconica grand., Cyclamen persicum grand., \$1.00 per trade pkt. Cash. **W. F. KASTING**, Buffalo, N. Y.

Wholesale price list of seeds for florists and market gardeners. **W. Atlee Burpee & Co.**, Philadelphia, Pa.

Rawson's Arlington tested seeds for florists. Catalogue free. **W. W. RAWSON & CO.**, Boston, Mass.

Smilax seed, new crop, \$1.50 per lb. Cash with order. Cottage Nursery, San Diego, Cal.

Pansy seeds. New crop ready July 1. **PETER BROWN**, Lancaster, Pa.

The Florists' Manual, by William Scott, is a whole Library on Commercial Floriculture. Send for terms on the installment plan. Florists' Pub. Co., 334 Dearborn St., Chicago.

SMILAX.

Smilax, 3000 strong 2½-in. pots, \$2.00 per 100, \$17.50 per 1000. Cash with order. **H. P. Owen**, Central Valley Greenhouses, Toughkenamon, Pa.

Smilax, 2-in. pots, 30c doz., \$2.00 100, \$17.50 1000. 25 at 100 rate; 250 at 1000 rate. **Good & Reese Co.**, Springfield, O.

Smilax, 2½-in., extra strong, cut back, \$2.00 100; 2-in., fine, \$1.50 100. **Geo. M. Brinkerhoff**, Springfield, Ill.

3000 smilax, 2½-in., \$2.00 per 100. Fine, stocky plants. Cash with order. **ROSEMONT GARDENS**, Montgomery, Ala.

Smilax, fine plants, 2½-in. pots, \$2.00 100. **F. Walker & Co.**, Louisville, Ky.

Nice plants, ready to bench, \$3.00 per 100. **D. O. Pratt**, Anoka, Minn.

Smilax, 2-in. pots, \$1.00 100. Cash. **Jos. H. Cunningham**, Delaware, Ohio.

Smilax, 2-in., \$2.00 per 100. Cash. **Bannister Bros.**, Syracuse, N. Y.

Smilax, strong 2½-in., \$1.50 per 100. **Texas Nursery Co.**, Sherman, Tex.

Smilax, 2-in., \$1.50 per 100. **Bassett & Washburn**, 76 Wabash Ave., Chicago.

Smilax, 2-in. Write **Geo. A. Kuhl**, Pekin, Ill.

STEVIAS.

10,000 dwarf stevia rooted cuttings, from sand, 80c 100; if by mail add 10c. \$6.00 1000 by express. **Joseph Bradbury**, South Orange, N. J.

Stevia, 2½-in., \$2.50 100, \$22.50 1000; rooted cuttings, \$1.50 100, \$12.00 1000.

Poehlmann Bros. Co., Morton Grove, Ill.

Stevias, extra strong 2-in., \$2.00 100. **John Brod**, Niles Center, Ill.

Stevia, dwarf, 3-in., 8c each. **M. F. La Roche**, Collingdale, Pa.

STOCKS.

Ten-week stocks, 3-in., strong plants, in bud, assorted, \$3.00 per 100; \$25.00 per 1000. Cash with order. **S. Muir**, 3530 Michigan Ave., Chicago.

SWAINSONAS.

Swainsona alba, 2½-in., \$2.00 100. **R. Vincent, Jr. & Son**, White Marsh, Md.

SWEET WILLIAMS.

Sweet Williams, dark red, \$2.00 100. **Geo. Engel**, Xenia, Ohio.

SULTANAS.

The white sultana, **PLATYAPETALA**. Flowers large, pure white with a red dot in the center. Good strong plants from pots, \$1.00 doz., \$6.00 100. **N. O. CASWELL**, Delavan, Ill.

UMBRELLA PLANTS.

Umbrella plants, 2-in. strong, selected, \$2.00 100; 6-in., 20c each. **Mayer & Son**, Willow Street, Lanc. Co., Pa.

Umbrella plants, 2½-in., \$2.00 100; 5 and 6-in. pot plants, 20c each. **F. WALKER & CO.**, Louisville, Ky.

VEGETABLE PLANTS.

CABBAGE—Jersey and Charles Wakefield, Early Flat Dutch, Early Deep-Head, Early All-Head and other varieties, 25c per 100; \$1.25 per 1000.

CELERY—White Plume, Golden Heart and other varieties, \$1.00 per 1000.

TOMATO—Acme, L. Beauty, Stone, Paragon, Dwarf Champion, Atlantic Prize and other varieties, ready for transplanting, 15c per 100; \$1.00 per 1000. **EARLIANA** and **PONDEROSA**, 30c per 100; \$2.00 per 1000.

ENDIVE—\$1.00 per 1000; \$8.50 per 10,000.

PARSLEY—20c per 100.

EGG—New York Improved, 25c per 100; \$2.00 per 1000.

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FLORICULTURE.

Under the above title a paper was read before a Farmers' Institute at Tiffin, O., by Mr. Lewis Ullrich, the florist of that city, and should a similar paper be read before like bodies all over the country a vast amount of good to the trade would result. Florists are as a rule inclined to overlook or ignore these opportunities to advance their business interests. This paper is so well adapted for the purpose that we print it below and if any other florist should wish to make use of it in the manner originally used by Mr. Ullrich we feel sure no objection would be made by that gentleman.

Floriculture is the cultivation of plants and flowers, for pleasure or profit. Plants have been cultivated more or less through all the ages, up to the present time, and there has been a vast increase in the taste for floriculture in the last fifty years. Almost every part of the earth is clothed with vegetation, each particular plant being adapted to the circumstances and conditions in which it is placed. In the tropics we find the plant kingdom at the height of its development, the wonderland of flowers, and in the more temperate region the plant kingdom is less striking and gradually diminishes in all forms, until we reach the perpetual snow line, where no vegetation exists.

God Almighty in his infinite wisdom saw fit to create this great diversity of plants and flowers to break the sameness and monotony that would otherwise exist; and that man may be delighted in beholding the beautiful workings of nature in her floral garb and bring her boundless resources to bear practically upon our daily wants and luxuries. Now let us ask, "Should the cultivation of plants be encouraged?" Of course I would say it should, being in the floral business, but that would be a selfish motive if I could give no other reason for their cultivation.

Take a little child into the fields in early spring, when the wild flowers first begin to bloom. There is something in that little body that urges it to get these flowers. That "something" is the love for the beautiful, which God has placed into nearly every heart and needs only the proper condition to develop.

As this child grows older it will not be satisfied with the native wild flowers, but will want some of those which have been brought from foreign countries and have been acclimated by the practical florist, so as to serve man's purpose in decorating home and garden.

In passing through the country we come to a fine residence surrounded by a beautiful lawn. The fences are nicely painted or whitewashed, everything about the place is neat and orderly, no stray tools lying about. The walks kept clean of weeds, no rubbish growing along the fence rows, the trees and shrubbery nicely trimmed and kept. Prominent in one place we see a bed of bright geraniums, at another, farther back on the lawn, a bed of blooming French cannas and at another place a bed of tea roses and near by a fancy bed of coleus and other foliage plants; along the fence on the north side of the yard a bed of annuals and other blooming plants, and last, but not least, is a permanent perennial bed which will produce blossoms the whole season through, year after year, from early spring until frost comes. The general appearance of such a place as this would suggest the occupants to be persons of order, taste and refinement.

At this time a few suggestions as to the proper preparations and planting of such beds as are here alluded to may be of interest to some of my hearers, and if you will bear with me a few moments, I will try and make it as plain to you as I can in as few words as possible.

In preparing the soil for a geranium bed it is essential first to spade deep. If the soil is in a poor condition a good quantity of well rotted stable manure spaded under is necessary, but if the soil is a good rich loam it will not take much manure, for if the soil is too rich the geraniums will grow too rank in foliage and will not bloom as freely. Now when the bed is prepared if you want it all one solid color, for such a bed is more attractive than mixed colors, don't plant any old thing, for there are lots of geraniums that are not worth the room they take up. Select only free blooming ones. If you want the bed a solid red color take any of the following sorts: Heteranthe, Pres. Smith, S. A. Nutt, Bruant, etc. If you want it pink, any of the following: Miss Frances Perkins, Emile de Girardin; if white, LaFavorite is the best.

After the geraniums are placed, having planted them about 15 inches apart, if you have chosen red, a good effect is produced by planting a boarder of yellow coleus on the edge of the bed about 15 inches from the outer row of geraniums and about 8 inches apart in the row. If it is a rank growing coleus you must keep the plants pinched back so they will not grow higher than the geraniums, and that they will branch out and fill up the gaps between the plants, so as to make a solid yellow border.

Now as to a bed of French cannas and caladiums (or Elephant Ears as some call them). Both of these to do very well want a great deal of manure and water. These thrive best in a heavy soil well fertilized. In preparing a bed of this kind I advise to throw out two spades' depth of soil, say from 18 to 24 inches deep. Such a bed is usually made round and wide enough so as to place the plants 15 to 18 inches

apart each way. After the soil has been thrown out take some of the strongest, rankest stable manure you can get, put about a foot deep in the hole you have dug and tramp as firmly as possible, then put the soil on top of this.

There are various ways of planting canna beds, a very effective one is to plant in the center a tall-growing, red-blooming sort and around this a more dwarf kind, blooming yellow, then outside of all these a row of Caladium esculentum bulbs. Such a bed is very inexpensive, say 1½ dozen well established canna plants and one dozen Caladium esculentum bulbs. These can be procured for from \$1.00 to \$1.50 per dozen, so that for \$2.50 to \$3.50 you can have a showy and attractive tropical effect on your lawn. The roots of these can be wintered over in a good cellar and you will have enough to plant two or more beds another season.

Now I will describe the preparation and planting of a bed that should adorn the yard of every home, and that is a bed of tea roses. Something that, if properly planted and cared for will give you roses all summer. These should be planted in the spring time as early as the soil can be worked, say in April.

Prepare the bed about in the same manner as the canna bed before described, with this difference: instead of using rank, strong manure, use such as is well rotted to put in the bottom of the bed. Be sure to select a sunny spot where the water will not stand around the plants in winter time. After you have the bed prepared put your plants on top of the bed, placing them so that they are about 15 to 18 inches apart all around. Now after you have spaced them as you want them, then plant them just where they stand, digging a hole large enough so as to receive the roots without cramping them, and tramp the soil very firmly around the plants, and when all are planted give them a thorough soaking; by that I mean not a sprinkling of water with a watering can, but a thorough watering so that the bed is soaked entirely through to the bottom of the trench. and after a few days they will show by their growth that they have taken hold of the soil. Then they want a thorough soaking every evening during the summer, especially if the summer should be a dry one; this is very important if you want lots of roses during the season. The soap suds you get on wash days is a very good thing to throw on your rose bed. Such a bed is very inexpensive. You can get the plants for from 15 to 25 cents each by buying them of a florist who makes it a business to grow roses for cut flowers. You can get large plants from the benches with a clump of soil about the roots and if planted at once as I advise, they will go right on and bloom and never suffer the least by the transfer to your garden.

The most essential thing in rose culture is to plant early, firmly, and give plenty of water. As to the protection they need during the winter, after the ground is frozen, cover with dry leaves, but not enough to cover the entire plants. Such a bed, if properly planted and cared for, will thrive for years. I know of some that have been planted at different times during the past six or eight years, and are yet in good condition. Of course now and then a plant dies, but at a small outlay can be replaced. The foliage of rose plants is

often injured by mildew and insects. Mildew usually affects rose plants during cold, rainy spells; this can be recognized by the leaves curling, becoming brown spotted and being covered with a gray mold. When this first appears it can be held in check by sprinkling powdered sulphur on the leaves. This is more likely to appear on plants that are planted in a more or less shaded place, or too close together; in either case the foliage grows soft and the excessive moisture cannot dry off as readily as it should. You hardly ever see this on a rose bed planted in an open place, subjected to the direct rays of the sun, for there the foliage grows more hardy and strong and is therefore less subject to this trouble.

The most prevalent scourge that the roses are subject to in this part of the state is the little greenish white slug, that skeletonizes the leaves by eating off the green substance of the leaf and leaving only the woody frame, but if this little fellow is taken in time he can be gotten rid of. There are two broods of this pest during the season, one in June and another in the latter part of August; you can detect his first appearance by some of the leaves showing small white spots and stripes where the little fellow has been feeding. If you are watchful to note this, and then in the evening, for this little pest has his banquet usually by night, sprinkle the plants with powdered hellebore. You can get entirely rid of this pest by one or two applications; but you must not wait until the mischief has been done and your rose plants have become unsightly by his ravages. The same treatment will rid you of the leaf eating worm on your currant and gooseberry bushes.

As to the preparation of a bed of flowers along the north fence as suggested, any good garden soil will answer and there are a great many good things

for such a bed. Heliotropes, petunias, feverfew, lantanas, salvias, ageratums, fuchsias, and an endless variety of annuals which can be raised from seed, which all add to the appearance of the bed and give you a greater variety of flowers to pick from for a bouquet.

Now as to a bed of coleus and other fancy-leaved plants. These are usually planted so as to represent some design, fancy ribbon beds, stars, crescents and various other designs. The soil for such a bed should be rather a poor soil, for if the soil is too rich the plants will grow too rank and thus outgrow the design and will lose a great deal of their beautiful coloration. The plants will have to be pinched back and sheared so they will grow evenly, and so that the color lines and the shape of the design are retained. In the selection of plants for this bed it is well to take such varieties as are known to retain their colors when bedded out, for a great many sorts that look the best and have the brightest colors when grown in pots lose their beauty, color and markings, when bedded out.

As to the preparation necessary for a perennial bed. First select a spot of good soil where the bed will remain undisturbed, spade deep and enrich with well rotted manure, and if a good selection of plants is made it will give you flowers the whole season through. Plants for such a bed are numerous. Various colored irises, peonias, phlox, Golden Glow rudbeckia, columbines, gaillardias, lilies of different kinds, the yellow day lily, candidum or St. Joseph's lily, speciosum lilies (alba and rubra), chrysanthemums of different colors, and hundreds of other equally as good things. When such a bed is once planted you will have something that needs but little attention. You must keep it free from weeds and in the fall spade up the soil, as then there is less danger of injuring the roots, for you can readily

see where the different plants are by the dry tops that remain from the summer. After it is spaded give it a top dressing of rotted stable manure and leaf mold.

I have now outlined the preparation and necessary care of a few plant beds and if there are any of my hearers who have not already had experience in such work and who may be inclined to try their hand at it this coming season, I would suggest to them to select such beds as would be best suited to the surroundings of their homes, for not all are so fortunate as to have places so extensive as the home heretofore described, but may have room for only one or two beds which, if well done, will afford you pleasure at but little cost. I feel satisfied that it is apparent to every intelligent and unprejudiced mind that every improvement and embellishment made about a home will not only add to its financial value, but cultivates a taste for the beauties of nature and have a refining influence upon both old and young.

There is an impression in the minds of some of our people throughout the country that the farmer has no time for anything but to work his crops. This may have been the case with our forefathers fifty or seventy-five years ago, but in these times of advancement and culture there is no reason why the farmer and his family should not spend a little of their time in pursuit of pleasure. There are various sources of pleasure, one of them is found in thus beautifying the grounds about their homes. And that this is being done by some is very apparent.

I COULD NOT get along without your valuable paper. I have read all the florists' magazines and I must say yours excels them all.—P. W. HENNESSY, Joplin, Mo.

THE FLORISTS' MANUAL, BY WM. SCOTT.

Is a book of 224 large pages (same size as those of the Florists' Review) and contains about 200 articles on commercial plants and cultural operations, each giving "the meat" only, from the personal experience of a thoroughly practical man who is in daily touch with each department of the business, and who has that rare quality of being able to tell others **what they want to know**. The articles are arranged alphabetically, like those in an encyclopædia, and in an instant one can turn to the subject upon which light is desired at the moment. The book is illustrated by over 200 fine half-tone engravings. It is

A Complete Reference Book for Commercial Florists

and is a whole library on practical commercial floriculture in one volume. It is very handsomely and substantially bound in half leather, with specially designed title in gold. Following we print a few extracts from letters received from buyers of the book:

After reading Mr. Wm. Scott's Manual, we wish to say that we consider it without equal as a book of reference for busy florists.

GEORGE M. KELLOGG.

Pleasant Hill, Mo.

Mr. Scott's superb work, "The Florists' Manual," was indeed worth waiting for. When compared with the amount of practical information it contains, the selling price, \$5.00, seems a mere bagatelle.

Oakland, Md.

H. WEBER & SONS.

It is the best book of the kind ever published. There is more in it than in any other book I have ever seen. I am delighted with it.

Chicago.

JOHN THORPE.

No progressive florist, old or young, can afford to be without the Florists' Manual. The old florist needs it, for reference, to aid a defective memory, and the young florist wants it as a guide in this progressive era of the florists' business.

Davenport, Ia.

J. T. TEMPLE.

The Florists' Manual is worth five times the price. It is just what a busy florist wants.

Columbus, O.

B. BUEHLER & SON.

Am well pleased with the Manual. It is a practical, everyday helper, concise and to the point.

Milwaukee, Wis.

W. A. KENNEDY.

Am very much pleased with the book; it is very handy for reference.

Macomb, Ill.

F. E. BONHAM.

Unlike so many of our books, it has the very flavor and essence of actual experience.

Ithaca, N. Y.

L. H. BAILEY.

We have gotten much valuable instruction from the Florists' Manual and prize it highly.

Franklin, Tenn.

TRUETT BROS.

Am much pleased with the Manual. It is just what I have been looking for. Something that we can understand, and enjoy reading.

Etna, Pa.

M. NAUMAN.

I greatly appreciate the Florists' Manual. It is a splendid text-book.

JOHN WELSH YOUNG.

German town, Pa.

The Florists' Manual is a gem. No florist can afford to be without it.

Madison, N. J.

A. J. BAUR.

If everyone has enjoyed your book as I have it's a successful publication. It is different from our usual horticultural works, being plain and concise—just what one wants.

Flushing, N. Y.

H. D. DARLINGTON.

The copy of the "Florists' Manual" was duly received. I am very well pleased with same. The more I read it the better satisfied I am with it, and there are one or two articles alone in it that are each worth all you ask for the book, for everything is made so plain and all details are right to the point. I trust you may have a good and ready sale for the same.

North Adams, Mass.

M. S. WORDEN.

Price \$5.00, Carriage Prepaid.

FLORISTS' PUBLISHING CO., Caxton Building, CHICAGO.

NURSERY NEWS.

AMERICAN ASSOCIATION OF NURSERYMEN.

Pres., N. W. Hale, Knoxville Tenn.; Vice-Pres., F. A. Weber, St. Louis; Sec'y, Geo. C. Seager, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-eighth annual convention will be held at Atlanta, Ga., June, 1904.

SADDLER BROS., proprietors of the Home Nursery, Normal, Ill., have bought the nursery business of F. S. Phoenix.

C. BETCHER, of Canal Dover, O., while at the nurserymen's convention, sold stock of his big pink peony, Jenny Lind, to C. W. Ward.

ALBERTSON & HOBBS, Bridgeport, Ind., report the recent nurserymen's convention one of the most satisfactory at which they have ever been represented.

OTTO LOCKE, proprietor of the Comal Springs Nursery, at New Braunfels, Tex., has established a branch near San Antonio, under the management of his son, Emil Locke.

WITH a committee consisting of Wm. Pitkin, Geo. C. Perkins and E. Albertson, a practical form of mutual insurance for nurserymen should be forthcoming at the Atlanta convention.

NON-FRUITING FILBERTS.

I would like information respecting some English filberts which I obtained from the States some ten years ago and which have never fruited. I first planted them on low, loamy soil, where they remained for five years. Then, as they did not bear, we removed them to higher ground, light sandy loam, where they thrive exceedingly but, although there are male and female flowers each year, they have never borne fruit. Someone suggested that they need salt air and that I am too far from the sea, but cannot think that is the reason, as we have quantities of wild hazel nuts in the woods here. B. B. B.

In reference to the failure of your filberts to bear nuts, there are some points not elucidated by your note, which have an important bearing on the solution of the problem. First, how many are there of your filbert trees? In the hazel, as you have remarked, the staminate and pistillate flowers are separate, and nature, possibly to disfavor inbreeding, ordains that the staminate catkins appear considerably in advance of the female flowers on the same shrub; hence, if there are only a limited number of plants in the group, the chances are strongly against sufficient pollination of the later opening female flowers. A like condition occurs in maize, and experience shows that a few stalks grown alone generally suffer from deficient pollination. In the cultivation of the filbert in England it has been found that in certain localities it will not produce enough catkins for proper fertilization, and the supplying of pollen from the catkins of the wild hazel is advised as a remedy. It would also be important to know whether the filbert has borne nuts in your locality. Because of the structural peculiarity noted above, there are many strictly local conditions which might affect the result—exposure to winds at the time of blooming, premature opening of catkins, excessive rains or moisture. Any of these might hinder the forming of

nuts through failure of pollen. In England the cutting out of all suckers and sap growth is found to favor the production of nuts. Perhaps too thrifty growth is unfavorable to fruiting. JOHN HIGGINS.

SUMMER PRUNING.

BY JOSEPH MEEHAN.

Read before the Germantown Horticultural Society, June 8, 1903, by George Redles.

That the pruning of trees and shrubs in summer is not practiced nearly to the extent it should be is partly due to the fact that its benefits have never been made clear, and because in the winter season the gardener has fewer duties demanding his attention. It is the writer's belief that summer pruning is far preferable to winter, as the objects of pruning are the quicker and better obtained by it. These objects, in a general way, are the forming of beautiful specimens, the producing of flowering shoots, and in the case of fruit trees the forming of flower buds looking for fruit to follow them.

As an illustration of the way summer pruning forms beautiful specimens, take, for example, a privet hedge. At this writing (the first days of June) the young shoots of this season are nearly a foot in length. Let alone, they will be two to three feet by fall. But cut them back half their length now and a half dozen shoots replace the one; do it again when these are six inches in length, and again a month or so later, and a bushy mass of shoots will have replaced the original one. It is just the same with trees and shrubs. The many shade trees of our streets and lawns, showing huge scars where large branches have been sawed off, should have been pruned yearly when young and even when older; then there would be no need of cutting off large limbs. The Carolina poplar, a really pretty tree when young, could be kept in good condition a longer time than it is now had it the care of a summer pruner. The tree would then be bushy, affording a foliage much more dense than is now usually seen. I do not recommend this tree, but use it as an illustration, as ill-formed ones of it are common in many places.

As shown in the case of the privet hedge, what is required to produce bushiness and shape is the nipping off of the ends of growing shoots. The finger and thumb can do it when growth is soft. Maples and trees rare and common should be treated in this way, and not pruned in winter when bushiness is the object. Winter pruning acts the other way mainly. A strong shoot cut back unites its forces to replace what it lost; another one stronger than the first takes its place, with but a few weaker ones in the rear.

Evergreens can be benefited in the way of being made bushy as deciduous trees are. Pines generally break forth in spring in clusters of shoots a half dozen or more together. The taking out of the central one will usually suffice, acting as does the pinching off of the end of a shoot on a deciduous tree. The side shoots receive all the support, and thus bushiness is promoted. Other coniferous evergreens of the same character of growth, such as firs and many spruces, require the same kind of pruning. There is but little advantage in more pruning than the taking off of the central shoot, though the nipping away of the extreme tips of the remaining shoots will cause still further bushiness the next season. Such evergreens as retinosporas and arbor-vitae and like forms may be treated as recommended for deciduous trees, but their generally numerous branches make the use of a knife or a shears a matter of saving of time.

In the case of shrubs, when bushiness is the object, treat them just the same as advised for deciduous trees. Taking a weigela or golden bell for example, one would hardly believe the changed appearance of them by fall when treated to several prunings while they are still growing. No one wants shrubs ball shaped; pruning is not for that, it is to give bushiness and a pleasing outline while still in reasonable keeping of natural growth.

Pruning for the increasing of flowering shoots consists in the partial cutting away of the shoots that have flowered, that strong, new ones may succeed them, as these new ones are what we look to for our next spring's flowers. Not all the old shoots must be cut away, as the loss of too many branches is weakening to the bush. As the new ones spring up there is no harm done in topping them as they grow. It makes the bushy specimens we all like to see.

Fruit trees may be shaped just as other trees are, and besides making them bushy it often promotes fruitfulness. In Europe, where the obtaining of the most fruit possible from every tree is of great importance, summer pruning is almost universal. The shoots of cherries, pears, peaches, etc., are pinched back in summer while growth is progressing. This causes the formation of fruit buds below

where the top has been taken off. In addition to this a check is placed on the vigor of the tree by removing entirely many of the shoots. To those of us accustomed to letting our fruit trees grow as they will, it is amazing to witness the mass of foliage lying under a fruit tree in England which has just been pruned. In addition to the check thus given, root pruning is largely practiced, also with the idea of forcing fruitfulness by checking growths. There is no doubt the same methods would produce fruitful trees here as well, should any one wish to try it.

Summer pruning of grapes consists of nipping off the shoots producing fruit at two leaves above the bunch. Canes may be allowed to lengthen as they will, winter pruning bringing them back to the proper length. Raspberries and blackberries are often cut off when the canes have made two or three feet of growth. The side shoots are formed, making little bushes of each. Though these bush forms are more self sustaining than others, the fruit is not as large, the greater number of berries produced lessening the size of the whole.

PITTSBURG.

The Market.

The cold, cloudy weather of the past two weeks has checked the supply of all flowers. The scarcity of stock made a market for everything, and inferior stock for the first time this year was eagerly bought up. A few days of sunshine is all that will be necessary to bring the quantity and quality up again to the standard, and even at this writing stock is again more plentiful. Beauty, Kaiserin, Carnot and Liberty roses are arriving in large quantities; the quality is very fine. Quantities of good Prosperity and Lawson carnations are in evidence which are particularly well grown; they sell readily at \$2 and \$3 per 100.

Notes.

A few early asters are arriving from Theo. F. Beckert.

Mrs. E. A. Williams has a house of a fine white gladiolus named Augusta.

Wm. Lauch is sending in quantities of pink and white sweet peas, also some good Wm. Scott carnations.

Oil City Rose Gardens are making daily shipments of roses to almost every florist in the city.

Fred Burki has been very successful with his last crop of longiflorum lilies.

H. P. Joslin has taken up the culture of gaillardias for the wholesale market.

Last Tuesday the Pittsburg Cut Flower Co. supplied Lloyd Swarthout with 400 special Beauties.

The death of our former mayor, Barnard McKenna, gave the florists of both cities considerable floral work. The most conspicuous among the many designs was a large one to represent steps, significant only to Mayor McKenna's friends. This was made up by T. M. Ulam & Co. Hoo-Hoo.

W. & T. SMITH COMPANY, GENEVA, N. Y.

Wholesale Growers of Ornamental Trees, Shrubs, Roses, Clematis, Fruit Trees, and Small Fruits in great variety.

Send for our Wholesale Price List.

Mention The Review when you write.

Send to **THE MOON** Company
For Your { Trees, Shrubs, Vines, and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.,
Morrisville, Pa.

GOLD MEDAL

...The Society of American Florists...

AUGUST, 1902.

The only Gold Medal ever awarded
by the National Society.**GOLD MEDAL**

The Massachusetts Horticultural Society

MARCH, 1902.

A rare distinction, having been awarded only a very
few times in the history of the Society.**THE PIERSON FERN.****Nephrolepis
Piersoni.**The most valuable novelty intro-
duced in many years.**GOLD MEDAL**

The Horticultural Society of New York

MAY, 1902.

For the Best
HORTICULTURAL NOVELTY.The highest hon-
ors that can be
bestowed on any
horticultural
novelty in Amer-
ica, and an in-
dorsement never
before received
by any new
plant, testify-
ing to the
sterling
merits of
Nephrolepis
Piersoni.Send
for our
circular
telling all
about this
great novelty.**SILVER MEDAL**AT THE
Great NEW YORK SHOWFOR THE BEST
New and Meritorious
Plant of Amer. Origin.**GOLD MEDAL**AT THE
...BIG KANSAS CITY EXHIBITION...FOR
New Plant of Sterling Merit.**SILVER MEDAL**AT
San Francisco Flower ShowMAY, 1903.
HIGHEST AWARD POSSIBLE.

We offer strong young plants, 2½-in. pots, at \$9 per doz.; 50 plants at 60c each; 100 plants at 50c each; 500 plants at 45c each; 1000 plants at 40c each. Extra large plants, 6-in. pots, \$27 per doz.; 50 plants at \$1.80 each; 100 plants at \$1.50 each. These large plants will make fine stock for growing on into large specimens for fall trade, and they are also very nice for immediate sales.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

CINCINNATI.

Moderate weather is still with us and business is very much the same as reported last week; that is, it is first-class, being a great deal better than for this time last year. This seems to be the general report, for all those whom I have asked say that there is a very good increase over last year. It would be a hard matter to give any special reasons for this, other than that the florists' business is a growing business and is as yet only in its infancy.

The supply of stock is still holding out remarkably well for the season. Roses, if anything, are improving in quality, Maids being especially good in many cases. La France are much in demand and there are some fine vines to be had. Golden Gate and Ivory are doing first-class. Brides are not extra. The majority of the shipped ones arrive badly bruised and almost unsalable. Liberties and Meteors are scarce and there are not enough Beauties to fill all orders. Those that come in, as a rule, are of very good quality.

Owing to the cool weather carnations also are good. There are none that you can call fancy, but the best grades are not far behind. The supply is about equal to the demand, but more good white and red could be sold.

Continued rains keep the supply of sweet peas very limited and the demand for them is very good consequently. Some good ones are still being cut from indoors, and sell readily.

Some longiflorum lilies are still to be had, but the supply is very limited. There are but few callas. Alyssums, candy tuft, stocks, etc., find a ready market and at good prices. You can get anything you want in greens and it is all good stock.

Notes.

The outing committee has selected Coney Island for this year's outing. Thursday, July 23, is the date selected. Tickets are now out and are 25 cents for adults and 10 cents for children under 10 years. Besides the regular attractions at the Island, there will be a bowling contest for teams of five men each, with first, second and third prize; also for best individual score. There will also be a prize for best score made by a lady. The bowling is in charge of W. Schuman, who will receive all entries. In the afternoon there will be a ball game. This is in charge of Mr. Kunzelman. Indications point to a large crowd and a good time for all.

At the meeting of the Board of Directors of the Cincinnati Florists' Society, held Saturday afternoon, the following officers were elected for the ensuing year: C. J. Ohmer, president; Wm. Schuman, vice-president; Geo. Murphy, secretary; L. H. Kyrk, treasurer. The new officers will take their seats at the next meeting of the society, which will be held at the residence of D. Rusconi, Covington, Ky., July 9.

Visitors during the past week were: C. W. Ward, of Queens, N. Y., and J. T. Herdigen, Aurora, Ind.

C. J. OHMER.

NASHVILLE, TENN.—Geny Bros. are building a range of five greenhouses at a cost of \$2,500.

TORONTO, ONT.—J. H. Dunlop is still laying butted glass. He has 225,000 feet glazed that way and much prefers it to lapped glass.

To Clean Out.

GOLDEN GATE, 2½-in.....\$2.50 per 100; \$20.00 per 1000
AMERICAN BEAUTY, 2½-in... 4.00 per 100; 35.00 per 1000

These plants are all in fine condition.

Am. Beauty Bench plants cut down to 12 inches,
\$5.00 per 100; \$40.00 per 1000

JOHN MUNO,

51 Wabash Ave., CHICAGO, ILL.

GREENHOUSES: ROGERS PARK.

Mention the Review when you write.

5000 AMERICAN BEAUTIES!

Very choice young plants in 2½-inch pots, \$4.00 per 100.

FINE LARGE BUSHY SMILAX PLANTS!

2-inch pots, \$1.50 per 100. All grafted roses sold out.

ALL PLANTS SHIPPED FROM HINSDALE, ILL.

Bassett & Washburn, 76 Wabash Ave., Chicago.

Mention The Review when you write.

GRAFTED ROSES.

Our Grafted Roses are fine, bushy plants, grown in 3½ and 4-inch pots, and are the best that can be produced.

Liberty, Ivory, \$18.00 per hundred.

Bridesmaids, Brides, Golden Gates, Kaiserins,
\$15.00 per hundred.

Send for catalogue.

J. L. DILLON, BLOOMSBURG, PA.

ROSE PLANTS == To Clear Out.

2000 AMERICAN BEAUTY \$40.00 per 1000
2000 IVORY 20.00 "

2-inch, strong, clean stock, first-class in every way.

J. A. BUDLONG, 37-39 Randolph Street, CHICAGO.

Mention The Review when you write.

750,000 Forcing Roses, Mums and Stevia from Stock.

Printed price list mailed on inquiry, or see issues of Florists' Review for May 21 and 28 for list of varieties and prices.

Poehlmann Bros. Co., Morton Grove, Ill.

Mention The Review when you write.

The Review's
Classified Advs.

ARE A GREAT
CONVENIENCE
is the verdict
of the
buyers.

"It is so easy to find what you want."

E. F. WINTERSON CO.

SUCCESSOR TO McKELLAR & WINTERSON.

SUPPLIES everything used by Florists, Nurserymen, Gardeners, Seedsmen, Cemeteries, Parks, etc.

Headquarters on CUT FLOWERS.

WRITE FOR WEEKLY PRICE LIST.

45-47-49 Wabash Avenue,

TELEPHONE
MAIN 1129.

CHICAGO.

Mention the Review when you write.

HARDY CUT FERNES.

Write for Prices.



FANCY

DAGGER

L. B. BRAGUE,

Oldest, largest and most reliable dealer in the U. S. HINSDALE, MASS.

Mention The Review when you write.

A. J. FELLOURIS,



Wholesale and Retail
Dealer in all kinds of
EVERGREENS.

GALAX, Bronze
or Green,
\$1.00 per 1000.

FERNES, Fancy, \$1.50 per 1000.
Dagger, .75

468 Sixth Avenue, NEW YORK

Between 28th and 29th Streets.

Telephone 1431 Madison Square.

Mention the Review when you write.

Sunrise.

A healthy free-blooming rose
of beautiful saffron color that
every florist should plant.

Two first prizes won at the National
Rose Show.

Delivery early in July. Price, 3-inch pots,
\$9.00 per 100.

JOHN WELSH YOUNG,

GERMANTOWN, - - PHILADELPHIA, PA.

Upsal Station, Penn. R. R.

Mention the Review when you write.

PERLES AND METEORS.

1000 Perles, 3-in., 4c.

500 Meteors, strong, 3½-in. pots, 5c.

2000 S. A. Nutt ger., extra strong, 2-in., \$3.00
per 100. 1000 Finest Double Pink bedder, Ger.,
extra strong, 2-in., \$3.00 per 100. 4000 S. A. Nutt,
fine plants, 4-in. 1000 Finest Double Pink bedder,
Ger., 4-in., \$8.00 per 100. 2000 Mme. Sallerol, 2c.
Sample free. Plants are all exceptionally fine.
GESLER & DRURY, GALESBURG, ILL.

1200 AMERICAN BEAUTIES!

700 Brides, 350 Maids, 100 Perles, 600
Golden Gates, 200 Ivory, 3-inch pots,
\$6.00 per 100.

1000 good assorted Geraniums, 3-inch
pots, \$4.00 per 100.

L. J. STUPPY, St. Joseph, Mo.

Mention the Review when you write.

You can save time and money by
making use of our classified ads.

ROSE PLANTS

	Per 100	Per 1000
Sunrise, 2½-inch.....	\$7.00	\$65.00
Golden Gate, 2½-inch	2.50	20.00
Meteor, 3½-inch	4.50	37.50
Beauty, 3-inch.....	7.00	65.00

	Per 100	Per 1000
Ivory, 2-inch.....	\$3.00	\$25.00
Ivory, 3-inch.....	5.00	45.00
Liberty, 3-inch, very fine stock.	10.00	80.00

American Beauty,

bench plants, cut down to 12 inches
high. \$5.00 per 100.
45.00 per 1000.

All stock sold under express condition that if not satisfactory it is to be returned
immediately when money will be refunded. No plants or cuttings sent by mail.

Cannot accept orders for less than 50 of a variety.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

Mention The Review when you write.

Am. Beauties.

Young plants from 2 by
3-in. rose pots. Ready
to ship.

\$6.00 per 100.

\$50.00 per 1000.

Joseph Heacock, Wyncote, Pa.

Mention the Review when you write.

Fine Forcing Roses Brides and Maids, 2 1-2-in. pots \$2.50 per 100; \$22.50 per 1000

Now is the time to order before stock is all sold.

National Plant Co., Dayton, Ohio.

Mention the Review when you write.

AMERICAN BEAUTY PLANTS!

FROM STOCK RESERVED FOR OUR OWN PLANTING.

2½-in. pots, \$4.00 per 100; 3-in. pots, \$6.00 per 100.

Address all orders to

THE FLORAL EXCHANGE,

EDGELY, Bucks Co., PA.

Mention the Review when you write.

Wanted to Exchange.

We have 2000 Golden Gates and 1000
Liberty to exchange for Brides and
Bridesmaids.

GEO. M. KELLOGG,

Pleasant Hill, Mo.

Mention The Review when you write.

YOU WILL FIND ALL THE BEST
OFFERS ALL the time in the
Review's Classified Advs.

Roses.

1,000 AM. BEAUTIES, 3-in.,
fine, clean stock, \$7.00 per 100.

PERLES, 3-inch, 7c; 4-inch, 12c.

METEORS, 4-inch, 10c.

All A 1 Stock.

A customer reports: "Rose plants came in
fine condition. It seems to me, as if you had
reached perfection in your work."—F. P. AVERY.

Pittsburgh Rose and Carnation Co.
VALENCIA, PA.

ROSES! ROSES!

Fine, clean young stock, growing nicely, and in
prime order to plant for forcing.

Brides, Bridesmaids, Golden Gates, 100	1000
2½x3-inch.....	\$3.00
3-inch.....	5.00
Perles, Ivory, Meteors, 2½x3-inch..	3.00
Kaiserins, 3-inch.....	6.00

We have about 2000 fine, 3-in. VINCAS, elegant for
vases, or for stock next year, at \$4.00 per 100; and
nice 2½-in. ones at \$2.50; get a sample lot. Can-
nas—4-in., Flamingo, Henderson, Crozy, F.
Vaughan, Austria, \$5.00 per 100. Elegant 2-in.
Colons—12 choice sorts, \$1.50 per 100; \$12 per 1000.

W. H. GULLETT & SONS, - - Lincoln, Ill.

PLANT an adv. in the REVIEW and see
your business grow.

ST. PAUL.

The Market.

The arrival of summer has had a perceptible influence on sales, but business has been very good and everything in cut flowers has been sold. Red roses have been scarce. Beauties have also been in good demand, with not enough to go around. Other roses are fairly plentiful, although good stock is all cleaned up every night. Sweet peas are becoming more plentiful, although outside stock is not yet in bloom. May & Co. are still receiving gardenias from Texas, which come in very nicely for funeral designs.

Country trade has held up well, there being a heavy demand for commencements, weddings and funerals. While there seems to have been a large amount of bedding out, filling vases and boxes, and a nice cemetery trade, most of the plant growers report stock left over. This is most likely due to larger stocks being grown than ever before. Prices have been well maintained and the majority of growers are feeling better than they did in the winter, when the sun didn't shine and coal was \$7 to \$10 a ton.

Carnations in the field are doing well, but will need rain soon, as none has fallen in four weeks.

We hear of but little building projected this season, owing, no doubt, to the high price of labor and material.

Frank Berry, of Stillwater, has sailed for England, to be absent for several months. Mrs. Berry will look after the business during his absence.

M. J. Weppeler, representing the Geo. Wittbold Co., of Chicago, was a recent visitor.

Dr. R. Schiffmann has returned from his trip around the world, bringing with him a large collection of orchids gathered from the four quarters of the globe.

L. L. May & Co. are selling strawberries at their store, fresh from Mayfield farm. X. Y. Z.

STERLING, ILL.—Ernest Swartley and his sister, Miss Lillian, have started on a two-months' eastern trip.

WHITE MARSH, MD.—R. Vincent, Jr., and Mrs. Vincent sailed from New York this week for a visit to European horticultural centers.

Palm Seeds

JUST ARRIVED per Steamer Sonoma FROM AUSTRALIA.

Areca Baueri.....	25c per 100; \$2.00 per 1000
Kentia Belmoreana...	35c " 2.50 "
Kentia Forsteriana...	35c " 2.50 "
Pritchardia Seamanii...	\$4.50 " 6.00 "
Erythea Edulis.....	75c " 6.00 "

ARAUCARIA

.....EXCELSA

from 2-inch pots, one to two tiers, \$16 per 100.

Araucaria Imbricata

from 2½-inch pots, strong stocky plants, \$10.00 per 100.

Livistona Chinensis

the true variety (not Latania Borbonica), from 2-inch pots, \$6.00 per 100.

F. LUDEMANN, SAN FRANCISCO, CAL.

B. & A. SPECIALTIES.

We have thousands of Kentias,

PALMS

Araucarias and Bay Trees.

Many florists at this season of the year are looking for something to grow on during the Summer. Here is an opportunity to purchase such stock and every enterprising man will no doubt avail himself.

KENTIA BELMOREANA.

Inch.	No. of Leaves.	Height, Inches.	Per Doz.	Per 100.	Per 1000.
2½	3 to 4	5	\$1.50	\$12.00	\$100.00
3	4 to 5	10 to 12	3.00	15.00	140.00
4	5 to 6	15 to 18	4.00	25.00	225.00
5	5 to 6	18 to 22	5.50	55.00	
5½	5 to 6	22 to 24	9.00	75.00	
Each. Per doz.					
5	5	24 to 26	\$1.00	\$10.00	
6	6 to 7	26 to 28	1.25	15.00	
6	6 to 7	28 to 30	1.75	21.00	
7	6 to 7	30 to 33	2.50	25.00	
7	6 to 7	33 to 36	3.10	36.00	
7	7 to 8	36 to 40	4.00	48.00	
	7 to 8	40 to 45	5.0	60.00	
	7 to 8	45 to 50	6.50	75.00	
8	7 to 8	50 to 55	7.50	85.00	
9	7 to 9	50 to 60	10.00	115.00	
10	7 to 9	60 to 65	12.50	145.00	
12	tubs.....	65 to 70	15.00		
12	made-up plants, 7 to 8 ft.		25.00 to \$35.00		

KENTIA FORSTERIANA.

Inch.	No. of Leaves.	Height, Inches.	Per Doz.	Per 100.	Per 1000.
3	3 to 4	12	\$2.00	\$15.00	\$140.00
4	4 to 5	15	4.00	25.00	225.00
5	5	15 to 18	6.00	50.00	
5½	5	18 to 20	7.50	60.00	
6	5	20 to 24	9.00	75.00	
Each. Per doz.					
6	5 to 6	24 to 28	\$1.00	\$10.00	
6	5 to 6	28 to 30	1.25	12.00	
6	6	30 to 32	1.50	15.00	
6	6 to 7	32 to 36	2.00	20.00	
7	6 to 7	36 to 42	3.00	30.00	
8	6 to 7	48 to 52	4.00	50.00	
9	6 to 7	60 to 65	7.50		
10	6 to 7	65 to 75	12.50		
12	tubs, 7 to 8	7 to 8 ft.	18.00		
12	" made-up, 7 to 9 ft.		20.00 to \$30.00		

We are pleased at all times to receive visitors at our Nurseries.

We have sixty acres planted with the most interesting stock in the country. See Spring Catalogue for other stock.

BOBBINK & ATKINS, -- Rutherford, N. J.

Mention the Review when you write.

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ORDER DIRECT FROM HEADQUARTERS.

We carry the largest and most complete line of **FLORISTS' HARDY SUPPLIES**. **Dagger and Fancy Ferns**, A No. 1 quality, \$1.00 per 1000; discount on larger orders. **Bronze and Green Galax**, best quality, \$1.00 per 1000. **Laurel Festooning**, best quality, 5 and 6 cts. per yard. **Green Moss**, \$1.00 per bbl.; 75 cts. per bag. **Sphagnum Moss**, \$1.00 per bbl.; 50 cts. per bag.

We can fill your order at a moment's notice. Orders by mail, telegraph and telephone will receive our prompt and personal attention.

HENRY M. ROBINSON & CO., 11 Province St., BOSTON, MASS.

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CHINESE PRIMROSE. Finest grown, large flowering, fringed, single and double, 15 varieties, mxd., 500 seeds, \$1.00; half-pkt., 50 cts.

CINERARIA. Finest large-flowering, dwarf, mixed, 1000 seeds, 50 cts.

PRIMULA OBCONICA Grandiflora. The finest large-flowering, 1000 seeds, 50 cts.

DAISY. Double Giant, white and rose, mixed or separate, 1000 seeds, 25 cts.

GIANT PANSY SEED.

The best large-flowering varieties, critically selected, 5000 seeds, \$1.00; half-pkt., 50 cts.

Cash. A packet of the new ever-blooming forget-me-not "Constance" added to every order.

JOHN F. RUPP, SHIREMANSTOWN, PA.

The Home of Primroses.

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Wholesale Florists,

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Keap St. Greenhouses, Brooklyn, N. Y.

Headquarters for **BOSTONS**

Fine "PIERSONI" in 2½-inch pots.

The Cottage Gardens' Collection of Cannas. Grand stock. Send for particulars.

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The Florists' Hall Association

has paid over \$54,000 for glass broken by hail during the past 15 years. For particulars

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ACALYPHA MACAFEEANA

\$3.50 per 100.

Strobilanthes Dyerianus

75 cts. per doz.; \$5.00 per 100.

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\$2.50 per 100; \$20.00 per 1000.

CHRYSANTHEMUMS—In var.

POMPON CHRYSANTHEMUMS, 50 varieties, \$2.00 per 100; \$17.50 per 1000.

COLEUS—In var.

\$2.00 per 100; \$17.50 per 1000.

MISCELLANEOUS.

2½-in. pots, per 100

Cannas, 3-inch pots, good, strong stock, standard varieties, 60c per doz\$4.00

\$35.50 per 1000.

Fuchsias, in variety..... 2.50

Hardy English Ivy, extra strong..... 2.00

Lemon Verbena..... 2.50

Lobelia, compacta..... 2.00

Sedum variegata..... 2.00

Swainsona Alba..... 2.00

(Rooted Cuttings of Hardy English Ivy, 75c per 100; \$5.00 per 1000.)

Not less than 5 of any one variety sold.

Send for trade list. Cash with order.

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Hydrangeas Otaksa, 2 to 4 large blooms; fine plants in 5-in pots, \$3.50 per doz., \$25.00 per 100.

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ONE thing in favor of the REVIEW is that it is not run in the interest of any one florist.—F. W. HECKENKAMP, JR., Quincy, Ill.

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WE HAVE A FINE LINE IN ALL SIZES.

Also ASPARAGUS and SMALL FERNS for Ferneries.

OUR STOCK WILL PLEASE YOU.

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Market and Fancy Strains

are the finest grade this season that we ever sent out, when large size and colors are wanted.

As growers, we know every strain of note in cultivation and we can recommend our pansies as unequalled.

New crop seed ready now in trade packages of either strain, at \$1.00 each.

**Denys Zirngiebel,
NEEDHAM, MASS.**

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PREMIUM AMERICANPANSY

SEEDS now ready, grown by William Toole, Pansy Specialist, Baraboo, Wis., 86 varieties and mixtures. **COLUMBIA**, the Red, White and Blue, 25c per pkt. Extra choice mixed, 10c per pkt.; 1/2 oz., 50c; 1/4 oz., 75c; 1 oz., \$2.75. Selected mixed, pkt., 15c; 1/2 oz., 70c; 1/4 oz., \$1.20; 1 oz., \$4.00. Hesperian mixed, 25c per pkt. Trade pkt. containing triple quantity at double price. Guide to Pansy Culture, with catalogue, free to any address.

**WILLIAM TOOLE,
Pansy Heights, Baraboo, Wis.**
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6-inch pots, \$1.00 each; \$12.00 per doz.
A few larger plants.

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Upsal Station, Penn. R. R.
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Nothing but the best giganteum persicum, large flowered, 3-inch, ready for 4-inch, \$5.00 per 100.

Asparagus Sprengeri—From flats, ready for potting up, \$1.00 per 100; \$6.00 per 1000. 5000 for \$25.00. 2 1/4-inch, \$1.50 per 100; \$12.50 per 1000.

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Orchids Just Received.

Fine importation of Cattleya Trianae and Phalaenopsis Amabilis and Schilleriana, etc. Ask for prices or call and inspect stock.

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'MUM NOVELTIES.

25c each; \$2.50 per doz.—Convention Hall, F. J. Taggart, Globosa Alba, Amorita, Mlle. Marg. Douillet, Mme. Von Andre, Florence Molyneaux, Mrs. T. W. Pockett, Bessie Godfrey, Mlle. Marie Liger, Brumaire, Minnie Baily, Mrs. Rufus W. Smith, H. W. Buckbee, Mrs. J. J. Mitchell, Queen Alexandra, Mme. Paola Radaelli, Chas. Longly, Mrs. Alex. McKinley, Robt. Laird, Godfrey's King, Quo Vadis, Millicent Richardson, O. J. Salter, Henry Sinclair, Yellow Eaton, Mme. Herwege, Daisy Moore, Mme. Chambray and Mrs. Harry Emmerton and many others. Send us a list of your wants.

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Bonnafton, White Bonnafton, Childs, Wana-maker, Merry Xmas, Modesto, Monrovia, 2-inch pots, \$2.00 per 100.

Stevia—Extra strong, 2-inch, \$2.00 per 100.

Cut back 2-year-old Bride and Maid Roses, well ripened wood, \$2.00 per 100. Cash with order.

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Asparagus Sprengeri

2-inch pots.....\$2.00 per 100
2 1/4-inch pots.....2.50 "
3-inch pots.....3.00 "

Asparagus Plumosus Nanus, from flats, \$2.00 per 100; \$15.00 per 1000. We prepay express charges and guarantee satisfaction.

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Don't miss this opportunity of securing the following stock, guaranteed strictly first-class in every respect, all from 2 1/2-inch pots. Orders shipped the day received or money refunded.

12,000 Verbenas—15 mammoth varieties, labeled, \$1.00 per 100; \$9.50 per 1000.

3000 Petunias—Dreer's Double Fringed, 10 novelties, labeled, \$1.50 per 100; \$14.00 per 1000.

3000 Ageratums—P. Pauline and Stella Gurney, \$1.25 per 100; \$12.00 per 1000.

3000 Feverfew—Little Gem, \$1.25 per 100; \$12.00 per 1000.

2000 Alyssums—Dbl. Giant, \$1.25 per 100; \$12.00 per 1000.

5000 Fuchsias—4 leading sorts, \$1.50 per 100; \$14.00 per 1000.

1000 Marguerites—White and yellow, \$1.50 per 100.

Geraniums—Jean Vlaud, S. A. Nutt, E. G. Hill, Mme. Buchner and Alp. Ricard, \$2.25 per 100; \$20.00 per 1000. CA 5H.

The W. T. Buckley Plant Co., Springfield, Ill.

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GENISTA, from 2 1/2-in. pots, large flowering, 3c each.
STEVIA, 3-in. pots, dwarf, 3c each.

SCOTT CARNATION, 2-in. pots, \$1.50 per 100.
Good large plants.

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It will pay you to work up a stock of

TREGO

The best Semi-double Scarlet Geranium to date. Strong, 2 1/2-inch pots, \$8.00 per 100.

**S. S. SKIDELSKY,
708 N. 16th St., PHILADELPHIA.**

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SAN FRANCISCO.

The Market.

Business holds on fairly well considering that June is supposed to be our quiet month. The weather has been very cool for the last two weeks and flowers, particularly roses, are in better color and form than for some time past. Carnations are good, but very cheap. Estelle, Prosperity, Lawson and most of the fancy varieties wholesale at \$2 per hundred. Flora Hill, Ethel Crocker, America, Mrs. Bradt, E. Schwerin, Mrs. Joost, Wm. Scott and such sorts wholesale at from \$1 to \$1.50 per hundred. American Beauties bring from 75 cents to \$2 per dozen. Brides and Maids fetch 25 to 75 cents and Kaiserin and Liberty from 25 to 50 cents per dozen. Outdoor stock is very plentiful and is in fair demand, but the bulk of it is disposed of to the sidewalk merchants, of whom San Francisco has a large share. Outdoor roses are somewhat past their prime and we shall not have another good crop until fall.

Notes.

The California State Floral Society met June 15, with Professor Emory Smith in the chair. Theodore Hittell read a paper on "The Acorn and the Oak," and the preservation of the oaks in California was the principal topic of the day. The society received a letter from President Roosevelt, thanking the members for the gift of golden poppies on the occasion of his recent visit.

John Gill, of West Berkeley, well known as the largest rose grower on the coast, is at present on a visit to Southern California.

John Breen will have charge of the large greenhouses now in the course of erection at Burlingame for P. C. Meyer. They have contracted for a large lot of field-grown roses for forcing and it is the intention to force about 20,000 chrysanthemums for this coming season. G.

KANSAS CITY.

Business is now in the good old summer way, except for an occasional good funeral order or a wedding job. Sweet peas are plentiful and good and sell well, roses and carnations are off color and small.

A. F. Barbe will close his downtown store for the summer.

Arthur Newell has bought another horse, which he thinks is Pat's equal or better.

J. S. Short, of Kansas City, Kans., reports that there is always something doing over at his place across the Kaw.

Geo. M. Kellogg, of Pleasant Hill, Mo., reports the loss of a barn by lightning and fire Sunday. L. M. S.

SANTA CRUZ, CAL.—Mr. Luther Burbank, of Santa Rosa, has been here the past week, recuperating from an attack of la grippe. He says that among his novelties for next year is an improved form of the Shasta daisy, with flowers fully double the size of the original of the type. He has also a double form of this daisy. Among fruits his leading novelty is a race of plums that have no stones. On the occasion of the concert at the public library on the 19th inst. interesting displays of plants and flowers were made in the library rooms by Thos. Thompson, E. Leedham, Dr. Parker and others.

SURPLUS STOCK—50,000 Chrysanthemums

Black Hawk, Bouquet of Roses Henry Nanz, Mrs. Jerome Jones, Mrs. O. P. Bassett, Mrs. Henry Robinson, Mrs. Perrin, Ivory, Yanoma, White Bonnafon; Willowbrook, Mrs. J. T. Anthony, Goldmine, Helen Bloodgood, Sunderbruch.

2-inch pots, \$3.00 per 100; \$25 00 per 1000.

Timothy Eaton, W. H. Chadwick, Col. D. Appleton, and many other leading sorts; for description see catalogue.

1000 ROSES 1000

Fine Stock for Benchling.

American Beauties, 3 1/4-inch pots.....\$10.00 per 100
White La France, 3-inch pots.....6.00
Pink La France, 3-inch pots.....6.00

Come Quick.

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Fine PIERSONI FERNS

in 2 1/2 and 3-inch.

BOSTONS in 5, 6, 7, 8 and 10-inch.

Asparagus, Plumosus, 2, 2 1/2, 4 and 5-inch.
Sprengeri Seedlings, 2, 3 and 4-in.

SMILAX, 2-inch.

SPECIALS--TO CLOSE.

...GOOD VALUES....

VINCAS, 3 and 4-inch.

FUCHSIAS, 3 and 4-inch.

CANNAS, 3 and 4-inch.

GERANIUMS, 2 1/2, 3 and 4-inch. Ivy, 2 1/2-inch.

Mme. Sallerol, 2-inch.

COBEAS, 4-inch.

BEGONIAS, 3 and 4-inch, including Rex.

LANTANAS, 2 and 3-inch.

SALVIAS, 2 and 3-inch.

COLEUS, ALTERNANTHERA, LOBELIA

and VERBENAS, 2-inch.

GEO. A. KUHL, PEKIN, ILL.

GERANIUMS in bud and bloom, 4-in., \$6 per 100—Mrs. E. G. Hill, Jean Viaud, Brunt, Mme. Oheveillere, Beate Poitevine.

CANNAS—Fine large plants in 4-in. pots ready for immediate planting, \$6.00 per 100: Burbank, Elliott, Henderson, McKinley, Vaughan, Crozy, etc.

ALTERNANTHERAS—Red and Yellow, 2 1/2-in. \$2.50 per 100.

CALADIUMS—Fine plants, 3 to 10 leaves, 3-in. pots, \$5.00 per 100; 4-in., \$8.00 per 100.

COLEUS—15 varieties, \$2.00 per 100.

CHRYSANTHEMUMS, Rooted Cuttings, July delivery—Opah, Willowbrook, Polly Rose, Robinson, Weeks, Fee du Champsaur, Princess Bassaraba, Baton, Jerome Jones, Monrovia, Parr, Halliday, Appleton, Park, Bonnafon, Golden Wedding, Ivory, Lady Harriett, Glory of Pacific, Helen Bloodgood, Dalskov, Chadwick, Mrs. Perrin, Mary Hill, Murdoch, Calvat, \$1.50 per 100. Mile. Liger and Yellow Eaton, 50c each; \$5.00 per doz.

BOSTON FERNS—6-in., 50c and 75c each; 7-inch, \$1.00; 8-inch, \$1.25; 9-inch, \$1.50.

ROSES—2,000 Brides, 2 1/2-in. rose pots, \$3.50 per 100. Cash or C. O. D.

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S. A. Nutt, Brunt, best dbl. Pink and White, first-class stock, 4-in., \$6.00 per 100.

VINCAS, extra strong, long vines, \$3.00 per 100.

CANNAS, mixed, 4 in., fine \$6.00 per 100.

SINGLE PETUNIAS, Dreer's, out of 3-in., \$3 per 100.

COLEUS, from pots, standard sorts, \$2.50 per 100.

VIOLETS, 2 1/2-in. pots, M. Louise, Imperial, Swanley White and Campbell, \$25.00 per 1000.

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	Per 100	
300 Alyssum—Giant, dbl. and dwarf, 2-in.....	\$1.25	
400 Ageratums—Stella Gurney, 2-in.....	1.25	
3000 Alternantheras—Red and yellow, 2-in.....	1.25	
700 Coleus—In variety, 2-in.....	1.50	
Geraniums—Very strong plants, many in bud and bloom.		
60 A. Ricard, 2-in.....	2.00	
125 Dbl. Grant, 2-in.....	2.00	
250 Frances Perkins, 2-in.....	2.00	
650 Heteranthe, many in bloom, 2-in.....	1.75	
80 Jean Viaud, 2-in.....	3.00	
300 All varieties mixed, 2-in.....	1.50	
540 S. A. Nutt, 2-in.....	2.00	
400 Single scarlet, best varieties, 2-in.....	1.75	
200 Ricard, 2½-in.....	2.50	
350 S. A. Nutt, 2½-in.....	2.50	
280 Beaute Poitevine, 2½-in.....	2.50	
300 Fuchsias—Mixed, 3-in., \$3.50; 2-in.....	1.50	
300 Heliotropes—3-in., \$3.50; 2-in.....	2.50	
200 Ivy—German, 2-in.....	1.50	
100 Ice Plants—3-in.....	1.50	
200 Moonvines—2-in.....	2.00	
300 Salvia—5 var., 2-in.....	1.50	
225 Verbenas—2-in.....	1.50	
5000 Asters—Simple's branching in colors, Wick's branching mixture, transplanted, per 1000.....		\$10.00
150 Centaurea—Dusty Miller, 2-in.....	1.50	
75 Cobaea—Scandens, 3-in., \$4.00; 2-in.....	2.00	
300 Lobelia—Compacts and Speciosa, 2-in.....	1.25	
175 Pyrethrum—Aureum, 2-in.....	1.25	
Boston Ferns—8-in., \$6.00; 2½-in.....	3.00	

VEGETABLE PLANTS.

Cabbage—300,000 Danish Ball Head, from Danish grown seed, \$1.25 per 1000; transplanted, per 1000.....	\$2.50
Celery—Transplanted strong plants, White Plume, Golden Self-Blanching and Golden Heart, \$2.50 per 1000.....	.30
Pepper—Sweet Mountain, Ruby King and Cayenne, transplanted.....	.35

Wholesale price list on application.

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GERANIUMS.

2,500 S. A. Nutt, 3 1/2-in.....	\$7.00 per 100
3,000 Queen of the West, 3 1/2 and 4-in.....	7.00 per 100
1,000 Single Red, 3 1/2-in.....	7.00 per 100
1,500 Sallerol, 2 1/2-in.....	8.00 per 100

As good stock as can be grown. Strong plants in bloom. Sample if desired.

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LAKE GENEVA, WIS.

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The Best Varieties of 1902.

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Send in your orders for Field Plants now.

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(REGISTERED)

Greenhouse Fumigating Powder

Is the newest and best article on the market to-day for the complete destruction of all insects that infest Greenhouses or Conservatories, being a special boon to Rose and Beauty growers and prepared particularly for the destruction of **Greenfly** and **Thrips**. There is nothing injurious in it to plant life, even the most delicate fern. It is especially recommended for Beauties, Roses, Carnations, Chrysanthemums, Lilies, Smilax, Asparagus, Palms, Ferns, etc., and we claim that insects will be entirely eradicated when the houses are thoroughly fumigated with the powder. It is put up as follows:

1 lb. Tin Can.....\$.25
5 lb. Tin Can..... 1.00
25 lb. Sealed Box..... 4.50
100 lb Sealed Box.....16.50

Send for copy of testimonials. For reference we refer to Messrs. Bassett & Washburn, Hinsdale, Ill. Prepared by the Lilly-Lilly Chemical Co. and sold by

E. H. HUNT, 76-78 Wabash Ave., CHICAGO.

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WATERPROOF. Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No. 0....3x4	x20...	\$2.00 per 100;	\$18.00 per 1000
" No. 1....3x4 1/2	x16...	1.75	15.00 "
" No. 2....3x6 1/2	x18...	2.00	18.00 "
" No. 3....4x8 1/2	x24...	2.40	22.00 "
" No. 4....3x5 1/2	x24...	2.75	25.00 "
" No. 5....4x8 1/2	x24...	3.00	27.00 "
" No. 6....4x8 1/2	x28...	3.75	36.00 "
" No. 7....6x16 1/2	x20...	5.50	55.00 "
" No. 8....3x7 1/2	x21...	3.00	29.00 "
" No. 9....5x10 1/2	x36...	6.50	60.00 "

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

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WHEN you cannot fumigate with our Fumigating Powder you can apply our Black Stuff Fine direct to the plants; it is strong and equally effective in doors or out for extermination of all plant pests. Your money back if it is unsatisfactory. Trial 5-pound package for nothing if you will pay the express charges on it. Write Dept. C. THE H. A. STOOTHOFF CO., 116, 117, 118 West Street, New York.

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The Peerless Sulphur Blower.

Every Grower Should Have One.



Lightens
your Toll.
Saves Time
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Distributes equally well Sulphur, Lime, Slug Shot, Tobacco Dust, Paris Green, Etc.

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Ventilating Machine
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The DUPLEX GUTTERS,

Made of wrought or
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The only DRIP PROOF
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KINDLY insert my classified ads. for another month and add the two enclosed. I was very much pleased with results.—
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A PRACTICAL work on Carnation growing; complete in every particular, including the full calendar of operations for the year, with chapters on Soils, Fertilizers, Insects, Diseases, Heating. Each and every phase of commercial Carnation culture treated clearly and comprehensively. The book contains 290 large pages finely printed. It should be in the hands of every grower.

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THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

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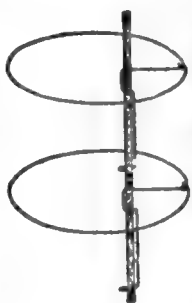
This paper is a member of the Chicago Trade Press Association.

INDEX TO ADVERTISERS.

This index covers only those having displayed advertisements. There is a host of others making offers in our classified ads. and they will be found there under their proper headings.

Allen, J. K.	176	Hill Co., E. G.	194
Amling, E. C.	171	Hippard, E.	197
Aschmann, Godfrey	176	Hitchings & Co.	196-98-200
Baker, W. J.	175	Holton & Hunkel Co.	179
Ball, C. D.	177	Hunt, E. H.	162-78-97
Barnard & Co.	161	Igoe Bros.	199
Bassett & Washburn	178-92	Jacobs & Son.	198
Bayersdorfer & Co.	163	Johnson & Stokes	175
Beckert, W. C.	173	Jurgens, Aug.	179
Beneke, J. J.	180	Kasting, W. F.	161
Bentley & Co.	178	Kellogg, Geo. M.	193
Berger, H. H. & Co.	162	Kennicott Bros. Co.	161
Bernheimer, E.	175	Kramer & Son.	199
Berning, H. G.	179	Kreshover, L. J.	177
Bobbin & Atkins.	194	Kroeschell Bros. Co.	200
Bonnot Bros.	176	Kuehn, C. A.	179
Bowe, M. A.	180	Kuhl, Geo. A.	193
Bradshaw & Hartman	176	Lager & Hurrell.	174
Brague, L. B.	193	Lake Geneva Floral	196
Brant & Noe	175	Co.	196
Breitmeier's Sons	177-80	Lange, A.	180
Brod, J.	196	Larkin Soap Co.	199
Bruns, H. N.	178	LaRoche, M. F.	195
Buckley Plant Co.	196	Lecakes & Co., N.	177
Budlong, J. A.	174-78-92	Limbach, C.	200
Burpee, W. Atlee &	173	Livingston Seed Co.	197
Co.	173	Loomis Floral Co.	195
Caldwell Co., W. E.	198	Lord & Burnham	200
Caldwell The Woods-	175	Ludemann, F.	194
man Co.	175	McConnell, Alex.	180
California Carnation	178	McCullough's Sons.	179
Co.	178	McManus James.	176
Century Flower Shop	180	McMorran & Co.	197
Chapin Bros.	181	Manhattan Supply Co.	171
Chicago Carnation	161	Michigan Cut Flower	179
Co.	161	Exchange	179
Clarke Bros.	180	Millang, C.	176
Clarke's Sons, David	180	Moninger Co., J. C.	199
Classified Advs.	183	Moon Co., W. H.	190
Cottage Gardens.	177	Moore, Hentz & Nash	176
Cowee, W. J.	178	Moosbak, L.	196
Crabb & Hunter	196	Moss, Isaac H.	177
Crowl Fern Co.	181	Muno, John	193
Crooke Co., J. J.	197	Murphy, Wm.	179
Cunningham, J. H.	174	Nanz & Neuner.	196
Dearborn Engraving	177	National Florists'	177
Co.	177	Board of Trade	177
Dickinson Co., Albert	173	National Plant Co.	193
Dietsch, A. & Co.	197	N. Y. Cut Flower Co.	176
Diller, Caskey & Co.	196	Niessen, Leo.	175
Dillon, J. L.	192	Park Floral Co.	180
Dillon Greenhouse	192	Parker-Bruen Co.	199
Mfg. Co.	200	Pennock, S. S.	174
Dorner, F. & Sons Co.	195	Perkins, J. J.	177
Dreer, H. A.	200	Philadelphia Whole-	177
Dunne & Co.	162	sale Flower Market	177
Eickholt, Mrs. Chas.	180	Pierce Co., F. O.	197
Ellis, F. M.	193	Pierson, A. N.	176
Fellouris, A. J.	178	Pierson Co., F. B.	161-91
Floral Exchange	194	Pierson-Sefton Co.	200
Florists' Hall Asso.	194	Pittsburg Cut Flow-	175
Foley, J. J.	178	er Co.	175
Foley Mfg. Co.	199	Pittsburg Rose and	193
Foster, L. H.	175	Carnation Co.	193
Garland, Geo. M.	200	Plant Seed Co.	173
Garland, Frank	178	Poehlmann Bros.	178-82
Gesler & Drury	193	Pollworth Co.	195
Gasser Co., J. M.	180	Quaker City Machine	200
Geller, Sigmund	162	Works	200
Ghormley, W.	176	Randall, A. L.	178
Giblin & Co.	200	Rawlings, E. I.	177
Gibbons, H. W.	200	Rawson & Co.	173
Gude & Bro., A.	180	Reed & Keller	162
Gullett & Sons	193	Regan Ptg. House	162
Guttman, A. J.	177	Reid, Edw.	175
Hammond, J. A.	176	Reinberg, Geo.	161-78
Hancock, Geo. & Son	196	Reinberg, P.	178-93
Hauswirth, P. J.	180	Rice, M. & Co.	162
Heacock, Jos.	177-93	Riedel & Spicer	176
Herr, A. M.	175	Robinson & Co.	194
Herrmann, A.	175	Rock, W. L.	180
Hicks & Crawbuck	177	Roehrs, Julius	193
		Rupp, J. F.	194
		Ryerson, U. C.	196
		Salter, W. H.	175

Sampson, Wm.	177	Tobacco Warehouse-	197
Samuelson, O. A.	181	ing & Trading Co.	197
Sands, W. B.	177	Toole, Wm.	195
Schiffmann, R.	182	Traendly & Schenck	177
Schluraff Floral Co.	175	Van Horne, Griffen	199
Schmitts, F. W. O.	162	& Co.	199
Scollay, J. A.	200	Vesey, W. J. & M. S.	196
Scott, John.	194	Vincent, Jr. R. & Son	194
Scott, W.	180	Virgin, U. J.	180
Seattle Floral Co.	180	Wabash Ry.	199
Sheridan, W. F.	176	Wagner Park Con-	194
Shibele, C. T.	199	servatories.	194
Siebert, C. T.	199	Weathered's Sons	200
Siebrecht & Son	180	Weber, F. C.	180
Sievers & Boland	180	Weiland, M.	180
Sinner Bros.	178	Weiland & Risch	178
Skidelsky, S. S.	193	Whitton, S.	195
Smith & Son, N.	196	Wiegand & Sons	180
Smith Co., W. & T.	193	Wiestor Bros.	178
Stern Co., J.	162	Winterson Co., E. F.	193
Stewart, S. B.	180	Wittbold Co.	180
Stoothoff Co., H. A.	197	Wilks Mfg. Co.	198
Stump & Walter	173	Young, John.	176
Stuppy, S. J.	193	Young, J. W.	193-95
Swanson, Aug. S.	180	Young & Nugent	176
Thaden & Co., H.	198	Zirngelbel, D.	195
Thorburn, J. M. & Co.	175		

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TESTIMONIALS.

From Mann & Brown, Rich-
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\$72.50 to pay enclosed bill, and also
for a duplicate order." Feb. 12, 1903:
"We think very much of your
Tendrils and think every Florist
should try them."

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CERTIFICATE OF MERIT
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Sample package of 100, by
mail prepaid, 60 cents.

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See That Ledger.

Pat. Sept. 18, 1900.

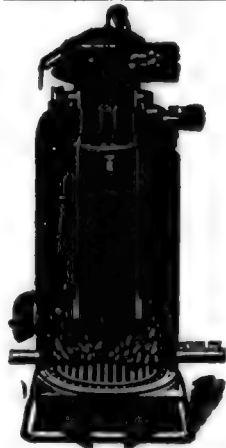
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IRON GUTTER.

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Ventilating Apparatus,
Improved Vaporizing Pans for Tobacco Extracts, Etc.

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serymen, who have had
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water at uniform pressure is always at
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May we send you our
Catalogue and Price List?

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Patented November 25th, 1902.

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Two sizes, $\frac{3}{8}$ and $\frac{1}{2}$. 40c a lb.; by mail, 16c extra.
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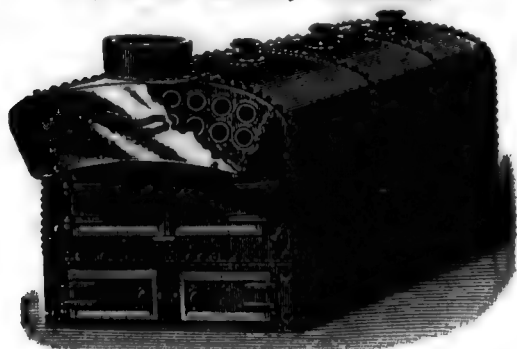
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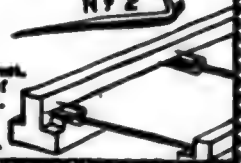
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1,000 points 75 cts. postpaid.

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114 Chestnut St., Phila., Pa.

FULL SIZE
Nº 2



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Horticultural Architects and Builders

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them.

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We have a limited stock of greenhouse glass of our standard quality; double thick. Florists will be given the **Advantage** in price of our purchase, which was made before the raise.

Send in your inquiries before the stock is sold.

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Carried in stock ready for prompt shipment.

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Designers, Manufacturers and Builders of
HORTICULTURAL STRUCTURES,

West Side Ave., South, JERSEY CITY, N. J.

MANUFACTURERS OF

"PIERSON" BOILERS

SECTIONAL and ROUND, STEAM or WATER.

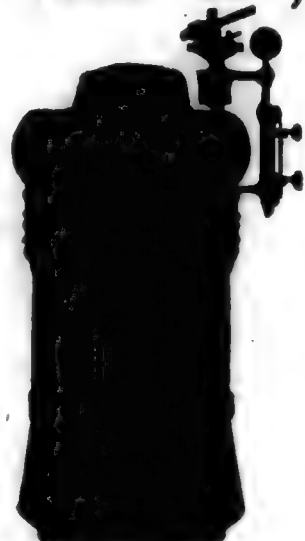
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BENCHES, } Gulf Cypress.

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GREENHOUSE CONSTRUCTION SUPPLIES

Plans, Specifications and Estimates on application.



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Iron Gutters and Posts, Pipe Fittings, Grate Bars, Angle Iron Purlins, etc.

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BUILDERS of DURABLE and PRACTICAL GREENHOUSES at a LOW COST.

Our descriptive circular contains valuable information for every florist. Send for it.

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333 MERCER ST., NEW YORK
GREENHOUSE BUILDERS

Hot Water Boilers, Pipes, Fittings
Send Four Cents for Catalogue
And Ventilating Apparatus

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THE WEEKLY FLORISTS' REVIEW

A JOURNAL FOR FLORISTS, SEEDSMEN AND NURSERYMEN.
FLORISTS' PUBLISHING CO., 530-535 OXFORD BUILDING, CHICAGO.

Vol. XII.

CHICAGO AND NEW YORK, JULY 2, 1903.

No. 292.

THIS SPACE BELONGS TO THE
F. R. PIERSON COMPANY

SEE OUR ADV. OF
Nephrolepis Piersoni
ON PAGE 202.

..SEEDS..

Asparagus Plumosus Nanus. \$1.00 per 100.
7.50 per 1000.

FINE PEDIGREED STRAIN of Primula Sinensis, double and single mixed.

Primula Obconica Grandiflora.

Cyclamen Persicum Grandiflorum, per trade package, \$1.00.

Cash with order.

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KENNICOTT BROS. CO.

Wholesale Commission Florists.

ALL STOCK BILLED AT CHICAGO MARKET RATES.

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Just the flowers for **Weddings**, Commencements, etc.

FINE PROSPERITY....AND OTHER.... FANCY CARNATIONS.

EVERYTHING SHIPPED AT CHICAGO MARKET PRICES.

Chicago Carnation Co., Jas. Hartshorne, Joliet, Ill.
Manager.

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LIBERTY.....1/2 inch.....	\$6	per 100;	\$50	per 1000
BRIDESMAID.....	4	"	35	"
BRIDE.....	4	"	35	"
PEWEE.....	4	"	35	"
IVORY.....	4	"	35	"
OLIVER AMES.....	4	"	35	"
GOLDEN GATE.....	3	"	25	"
IVORY.....2 1/2 inch.....	5	"	25	"
OLIVER AMES.....	11	"	25	"
GOLDEN GATE.....	2	"	18	"

American Beauties, 1/2 inch, \$5.00 per 100; \$40.00 per 1000
each Plants.....\$4.00 per 100;
\$30.00 per 1000

GEO. REINBERG, 5 Wabash Ave, CHICAGO.

NEW CROP CALCEOLARIA READY NOW

C. Hybrida Grandiflora.....trade packet, 50c
C. Hybrida Pumila, dwarf growing.....50c

CINERARIA—Hybrida Grandiflora, largest flowered English varieties. A prize winning strain, trade pkt., 50c **Hybrida Nana**—Dwarf. Best German seed, trade pkt., 50c. **Plenissima**—Dbl. flowering Cinerarias in beautiful variety of colors, trade pkt., 50c.

PRIMULA SINENSIS FIMBRIATA—Single fringed varieties. Any of the following at 50c per trade pkt.: **Alba**—Pure white. **Alba Magnifica**—White with yellow eye. **Chiswick Red**—Bright crimson scarlet. **Coccinea**—Bright red. **Coerulea**—Blue. **Kermesina Splendens**—Carmine, large yellow eye. **Peach Blossom**. **Rose**. **Red**. **Mixed**.

FILICIFOLIA—(Fern-leaved), mixed.....trade pkt., 50c

GIGANTEA—(Giant-flowered), mixed.....50c

Double fringed varieties—White, Red, Rose, Mixed.....50c

W. W. BARNARD & CO., SEEDSMEN, 161-163 Kinzie St., CHICAGO.

If you want the best paying crop that you can plant for summer plant.....

The Pierson Fern

(NEPHROLEPIS PIERSONI.)

There is nothing that you can plant that will increase in value so rapidly as this fern. The demand has been so great, and our advance sales so large, that we have not offered it recently, having only just completed filling advance orders. We have a nice lot of young stock coming on, and can fill all orders received from this date promptly on receipt. Even at the present high price it has been impossible to keep up with the demand, and there is sure to be a tremendous demand for it another season when it can be offered at lower prices. Now is the time to invest in it and get the benefit of the tremendous demand

and good prices which are sure to prevail another season. The Boston Fern, although it has been cultivated many years, is still scarce. As Nephrolepis Piersoni will sell better and be in greater demand even than the Boston Fern, we predict a scarcity of Nephrolepis Piersoni for several years to come and at big prices. Owing to the great and continued demand, we do not expect to be more than able to meet the demand this spring, so that customers can rest assured that there will be no change in price this season.

We offer strong young plants, 2 1/4-in. pots, at \$9.00 per doz.; 50 plants at 80c each; 100 plants at 50c each; 500 plants at 45c each; 1000 plants at 40c each.

Extra large plants, 6-in. pots, \$27.00 per doz; 50 plants at \$1.80 each; 100 plants at \$1.50 each. These large plants will make fine stock for growing on into large specimens for fall trade, and they are also very nice for immediate sales.

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JAPAN BAMBOO CANE STAKES

Indispensable for staking Roses, Dahlias, Chrysanthemums, Lilies, etc. More durable than any other canes.

BUY NOW. Buy at a great reduction.

1000 in bundle, 6 ft., \$5.50	4000 in bundle, 6 ft., \$18.00
2000 " 6 ft., 10.00	5000 " 6 ft., 21.00
3000 " 6 ft., 13.25	6000 " 6 ft., 24.00
10,000 in bundle, 6 ft., \$37.50	

Asparagus Sprengeri, fresh crop.....	100	1000
Decumbens, finest NOVELTY.....	1.20	\$1.00
Phoenix canariensis (True).....	1.00	7.50
reclinata.....	.30	2.50
Primula sinensis fimbriata, in pure white, blood red, crimson, rose, white with yellow eye, blue.....	.40	3.00
All colors primulas mixed.....	.25	1.75
Cineraria Hyb. Max.....	.20	1.50
DWARF.....	5 pkts., \$1.00	
	25c; 5 pkts., \$1.00	

FREESIA REFRACTA ALBA. READY JULY 1st.

1/2-3/4 inch.....	12	100	1000
3/4-1 inch.....	\$.05	\$.30	\$2.50
1-1 1/4 inch.....	.06	.50	3.50
1 1/4-2 inch.....	.10	.75	6.00
2-2 1/4 inch.....	.15	1.00	8.00
1-inch, Monster.....	.20	1.25	10.00

We offer same good stock we furnished in Freesia and Calla for 20 years.

CALLA ETHIOPICA, ready August, healthy, sound, center shoots.

1-1 1/4 inch diameter.....	12	100	1000
1 1/4-2 ".....	\$.50	\$3.75	\$35.00
2-2 1/4 ".....	.85	6.00	55.00
Monster.....	1.00	8.00	75.00
	1.50	10.00	

Callas, over 2-inch, very scarce. Order early.

Address **H. H. BERGER & CO.**
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PYRAMIDS—Extra fine, 5 inches and over in height, \$10.00 per pair.

Latania Borbonica,
Extra large, 5 feet\$3.00 each.

Latania Borbonica,
Fine plants, 3 feet\$1.25 each.

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The true long leaf variety, stems from 1/2 lb. to 6 lbs. Per 100 lbs., \$7.50.

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50 lbs.....	1.00	1000 lbs.....	15.00
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WRITE FOR NEW CATALOGUE.

MISCELLANEOUS SEASONABLE HINTS.



Mignonette.

Somewhere about the middle of July is a good time to sow mignonette for next winter's crop. We consider it a profitable crop, and we have a neighbor who makes a good thing out of it. It is not much good to mention varieties, as most likely you will have some strain selected and saved yourself. When Allan's Defiance was true it was very good. There is not so much in variety as in the growing. Mignonette is a difficult plant to transplant as you do asters, etc., therefore you should sow a dozen seeds where you want the plant in the bed, or sow three little patches of seed in 2½-inch pots and when large enough separate without disturbing the roots. Whichever way you do, it is well to have a plant or two for the green cabbage worm, which will be sure to be around in August and September, and they are so identically the color of the foliage that you don't see them until they have had a good feed. However, a little Paris green sprayed over them in time gives the worms acute indigestion and they are not a serious pest. My friend who grows mignonette so well and profitably plants it on a raised bench in five or six inches of soil, and that will grow it well up to Easter. Still, a solid bed will grow it better and keep the foliage a better color. One foot apart is close enough to plant them if you want good spikes and a continuous crop. It wants the fullest light, and 40 degrees at night is plenty warm enough.

Bermuda Lilies.

It will not be long before the earliest shipments of Bermuda lilies arrive. They are a very important article nowadays and from October on are always in good demand. Considering the price of the bulbs, the short time they occupy the bench and the little space they require, they are assuredly one of the most profitable plants we grow. The 5 to 7 bulbs are those usually grown for mid-winter use. They are nearly all used cut and there is less waste of unopened buds. A stalk with three or four flowers is easier to arrange than one with six or seven flowers and buds. I once tried a dozen bulbs in a flat five or six inches deep. I don't like the plan nearly so well as growing them in 5-inch pots.

Don't delay at all in getting the bulbs potted. It does the bulbs no good to be exposed to the air; it is very unnatural. Sometimes you may have a shaded bench where the house is as cool or cooler than outside. If so, they can be potted and stood on the bench at once. If you have no such bench, put them in a frame and cover with boards to keep the sun from drying them out. In any case, after potting and watering lay an inch of sphagnum moss or refuse hops or some light material on the surface of the soil and much less watering will be needed. It can be shaken off later when growth has started. As the bulbs are but lately dug in Bermuda and now is their resting time, don't expect them to start off

rooting and growing as you do those that you pot in October. Just keep them moderately and uniformly moist, but not wet, and have patience. When they are well rooted they can be given a light, warm house; and to have them in flower by early November they will want a good heat in the cool nights of September and October. Unless you grow for a big market, where large quantities can be swallowed up at a time, you will, of course, have your lilies come along in succession and strive to have a good many for the holidays, for they are in demand then for decorations. Don't use any fresh manure in the soil. A good loam with a little well rotted manure added suits them finely.

Fumigation.

What a continual fight it is against our enemy, the aphid. The failure to keep down the fly on our roses, carnations, lilies, violets and many other important plants represents the loss of many dollars and often great damage is done, particularly on carnations, before you notice that the fly is numerous. Really the fly should never be seen. Once he is visible to the naked eye, harm has been done. We florists, as a class, are an unmethodical set. The recruits to our ranks from the lawyer's office, the dry goods counter or the pulpit are more likely to be faithful in guarding against our little enemies than the man who began at fourteen years of age, cracking pots or painting labels.

How to fumigate is not yet settled, particularly with roses, for burning tobacco stems, if strong enough to keep the fly down, will most assuredly curl up the petals of the teas. With many of our plants the old tin pot and tobacco stems does very well, but it gives the flowers a barbarous odor and we don't always know how much or little it has crippled the growth of many plants. So much for the old-fashioned smoke pot, but let me say here that in my opinion it is not the nicotine in the smoke that twists the petals of roses and burns the leaves of other plants, but just the smoke itself. And, finally, it is a very disagreeable job. There are lots of us so saturated with nicotine that we can hold our heads over the fumigating pot and discuss the weather or Chamberlain's proposed preferential imperial tariff, but at the same time whenever I say, "You are going to smoke tonight, Charlie," I have a slight sinking feeling that, if expressed, would say, "Poor Charlie."

Some have a jet of steam running into a large can of chopped stems, which makes a vapor, and some say that no man who vaporizes can grow good roses. Some have tin or cast iron pans on top of the pipes, filled with some nicotine solution which is continually evaporating; others paint the steam or hot water pipes with nicotine, while still others use the hot brick or hot iron dropped into a dish of solution, which causes a vapor that is not very different in effect from the can of chopped stems and the injec-

tion of steam. Then again, I have seen little pyramids of tobacco dust on the floor—say about one pint—and the apex of the cone is lighted and it smoulders away for an hour or two. If it burns as desired, it is, I think, the best and most effectual of all methods to keep down fly without injuring flowers or foliage.

But I can tell you, or some of you, of a better way of burning the dust. The method I have used most satisfactorily the past winter in the six rose houses was given me by our revered and honored friend of Syracuse, N. Y., he who went to Philadelphia a few years ago and "made his mark, you see," later of the scarlet Flamingo fame, and anyone who has seen his carnation flowers or heard him talk would have to admit that his method of fumigating is "O. K.," for there are no flies on him. Mr. Marquisee will, I feel sure, have no objection to my attempting to help a brother florist. He may have given this to you himself, brother florist. If so, I did not notice it.

Mr. Marquisee's Device.

Procure at the tinware shop some cake pans. In correspondence I have called them pie dishes, but my better half says that pie dishes are round, so we will call these cake dishes. As I don't eat pie or cake, she is most likely right. Those I am using measure at the bottom eleven inches long and six and one-half wide, and the edge, which flares outward, is two inches deep. Size, of course, is of no consequence, but I think the above size is about right. The bottom of the dish is cut out to within three-quarters of an inch of the sides of the dish and then a piece of wire mosquito netting is cut the size of the bottom of the dish and laid in place of the tin cut out. On one end of the dish we have a strip of tin riveted on beneath, so as to keep one end up and afford a draught up through the dust. We fill this dish about three-quarters of its depth with the dust. When lighting put a few drops of kerosene oil at the lowest point, touch a match to it and go home. In the six houses, each 21x150, we have used twenty-four pans, or four to a house. By doing this faithfully once a week we have not seen a sign of greenfly or any other fly. There has not been a vestige of injury to the roses and it has been a comfort and pleasure to do the trick.

And if it is good for roses it is good for everything else. Looking through the glass from outside you would scarcely know anything was going on, but an hour after the stuff is lighted the effect on your eyes will quickly let you know that there is nicotine around. Every particle of the dust is consumed. And in the morning don't let the dishes lie kicking around the paths, but pick them up and have a place for them. The whole outfit for these houses costs but a trifle and after eight months' service neither the tin nor the netting is the worse for wear. I think Mr. Marquisee said he got his dust (he gets a good deal of dust from all over the country) from the local cigar makers. I use regular fumigating dust from New York City, which costs 2 cents per pound, and it pays to get the proper article. But I have smoked enough this morning, so now I will go to the pump and cool off.

WILLIAM SCOTT.

MARINE CITY, MICH.—Herbert Lester is putting \$3,000 worth of improvements on his greenhouses.

HARDY ROSES AT CHICAGO.

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supplies of water required will cause a growth of weeds under the benches and along the sides of the paths. These, if allowed to remain, become a harbor of refuge and a breeding spot for both red spider and thrips.

Attention to these matters, however small they may appear, should form part of the daily duties of the grower, for it will surely bring its reward. Staking and tying will also demand attention. Tying, when properly performed, is a tedious and tiresome job and requires a lot of patience. Each shoot should be so arranged and tied that the air may circulate among the leaves and with due regard to giving the bush a symmetrical form.

The young shoots, being soft and as yet deficient in woody fiber, will require careful handling. The strings must be tied so that there may be room for the shoot to swell and develop without interfering with the bark. If tied too tight the bark will overgrow the string. This will interfere with the free flow of sap and cause those unsightly protuberances on the stem which are a sure evidence of unskillful or careless work.

Disbudding will also claim attention. Merely nipping off the bud is a rather primitive and easy way of doing the work, but it is far from attaining the object desired, viz.: encouraging and strengthening the eyes which should be selected for the future stems by diverting to them the flow of sap, instead of letting it be used in developing and perfecting flowers and leaves which at present are not desirable or necessary.

It is a safe plan to cut off, along with the bud, three or more of the topmost eyes, being guided in this number by the strength and length of the stem operated on. If this is done carefully and with skill it reduces the production of small blind wood, giving room and light to the remaining eyes, which are designed to furnish the future flowering stem.

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Rose Garden at Jackson Park, Chicago, Photographed June 22, 1903.

and syringing, watching for the first signs of mildew, and keeping insect pests in subjection will keep us alert for the rest of the summer.

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RIBES.

TYING ROSE PLANTS.

Noticing Ribes' letter on tying roses, I offer my method as a suggestion. The plan is much less expensive and is also

sulphur is a good serviceable blower. The best machine that I know of for this purpose is the Peerless blower, which will be found advertised in these columns. It distributes evenly and quickly. When about to use the sulphur close the ventilators so that the powder may have a chance to settle evenly, and keep them closed for half an hour or so. This should be done during bright weather and when the foliage is dry. This should be done twice a week till the trouble disappears, and once a week after that, as a precautionary measure.

When firing becomes necessary, painting the pipes with a mixture of two parts sulphur and one part air slaked lime will keep mildew away. If steam is used, put the sulphur on the return pipes; the hotter pipes will cause it to fuse, and the fumes of sulphur in a state of fusion is death to vegetable life.

RIBES.

ROOTING 'MUMS LATE.

When reading the recent article on chrysanthemums damping off, I thought that perhaps my experience in procuring late stock might be found useful to others who have trouble rooting stock in sand in summer. I had trouble with late struck cuttings, not from damping off, but I could not get good stems and the plants were not as strong as those from earlier cuttings. So I struck upon the following plan, which has given me great satisfaction for my last batch of stock is even bigger and stronger than the first.

After the stock plants are brought in from the cold frame they are planted on a light bench in good soil; then as soon as the cuttings are about three inches high they are taken and rooted in sand in the usual way. Then the stock plants are covered up with soil until nothing is seen but a few dead sticks left from last year's cut, and the label of each sort. They are then watered and very soon the shoots begin to break through and grow very rapidly, making strong growth. When they are about six inches high they are pulled off, not cut off, and are found to be fine plants ready for 3-inch pots, with a large bunch of roots and most of them with two stems, which are left on if the previous cutting was strong when cut. They are then potted into 3-inch pots and well watered and shaded until they start growing.

The cuttings, or I should say plants, taken this way are very strong and vigorous, as there is no drain on their vitality in making roots, for their attachment to the stock plants sustains and keeps them growing. They very soon outstrip the sand-struck plants, for by the time the sand-struck plants are ready for 3-inch pots these are ready for 4-inch, or the bench, if it is ready for them.

A second crop of cuttings may be taken before the stock plants are covered up, if the stock plants are brought in early enough from the frame and if much stock is wanted. The varieties I have rooted in this manner are Major Bonaffon, Mrs. Weeks, Ivory, Autumn Glory, J. E. Lager, Glory of Pacific, Polly Rose, October Sunshine and Mrs. Jerome Jones. The latter does not root as readily as the others; it has to remain longer on the plants. I am sure that anyone who tries this method in rooting his last batch of cuttings from stock plants will be more than satisfied with results.

RUDOLPH FISCHER.



Roses on the Wooded Island, Jackson Park, Chicago, June 22.

CARNATION NOTES—EAST.

Stem-Rot in the Field.

Carnation fields in this section are in most instances soaked to the point of saturation, making it impossible to cultivate, besides producing conditions conducive to the development of stem-rot. There are so many conditions beyond our control that tend toward the development of this disease in the field that it must be admitted to be one of, if not the worst enemy with which the grower has to contend. An advantage in having its ravages take place in the field is that less time and space are wasted, also contamination of valuable bench soil is avoided. I do not believe it to be a constitutional disease, but brought on wholly by conditions surrounding the plants. In that case it is necessary to resort to prevention rather than cure.

Intelligent preparation of field soil as regards fertility, method of handling, grade and general aspect of the land must be carefully studied. I have seen bad cases of stem-rot on land enriched by too much animal manure. If some other hoed crop had been grown the first year, the land ploughed late in the fall, left exposed to the action of the frost, again ploughed in the spring and with the harrowing in of a liberal coat of wood ashes or air-slaked lime, the result would have been different.

In the case of depression in the land allowing the plants to stand in water for some time, the effect cannot be laid to stem-rot. Any plant but an aquatic would suffer by the rotting of its roots. We see equally well grown plants on both clayey and sandy soils; also cases of stem-rot occur in each kind of soil, so that while moisture has its effect in aggravating the trouble, it can hardly be called the cause; in fact, no one thing can be put down as the cause.

From the time the plant is set in the field until lifting time, there are many ways and means of its receiving a check in growth. It is then, I claim, that fungus growths embrace their opportunity. The ever present, lurking, thread-like germ enters; the conditions are perfect for its development; the result is soon apparent.

In arresting its progress it has been

my practice to remove affected plants as soon as discovered, securing the entire plant with a liberal ball, taking care to remove the whole to a safe distance and burn, afterward working into the surrounding soil a small handful of air-slaked lime. This year I am using six parts lime to one of grape dust; by this means employing three or more fungicides at once.

Having had but very little rot this year, I can only report adjoining plants in good health. From experience of other years I am satisfied that the disease did not spread from plant to plant. Last week as a general precaution I gave the whole field a sprinkling of lime. Hope to say more about lime next week.

GEO. S. OSBORN.

PLANTING AND FUMIGATING.

What is the proper distance apart to plant Princess of Wales violets? What is the proper amount of potassium cyanide to make gas for fumigating a house 50 feet long, 10 feet to ridge and both side walls 6 feet high?

SUBSCRIBER.

Ten inches is a good average distance, but this, like everything of this kind, can have no arbitrary rule, as so much depends upon your stock, your soil, time when planted, etc. One must learn by experience, after following general advice, how well his soil is adapted to each variety, and how large a clump or crown they make with proper treatment during the season, and therefore be guided by that. Always bear in mind that you will pick more and better flowers if the plants are planted a sufficient distance apart to allow the proper circulation of air around them. In illustration of this fact, just notice the next time you have, or see, a house that was planted too thickly, and see how much better the plants are in health and the flowers in size all about the edge of the border or bench, proving that they have plenty of air and opportunity to dry off quickly after watering, especially on dark, damp days, when there is a natural tendency to decay.

Subscriber has failed to give the width of his house, so I cannot tell him the exact quantity of cyanide to use in fumigating, but he can readily figure it out

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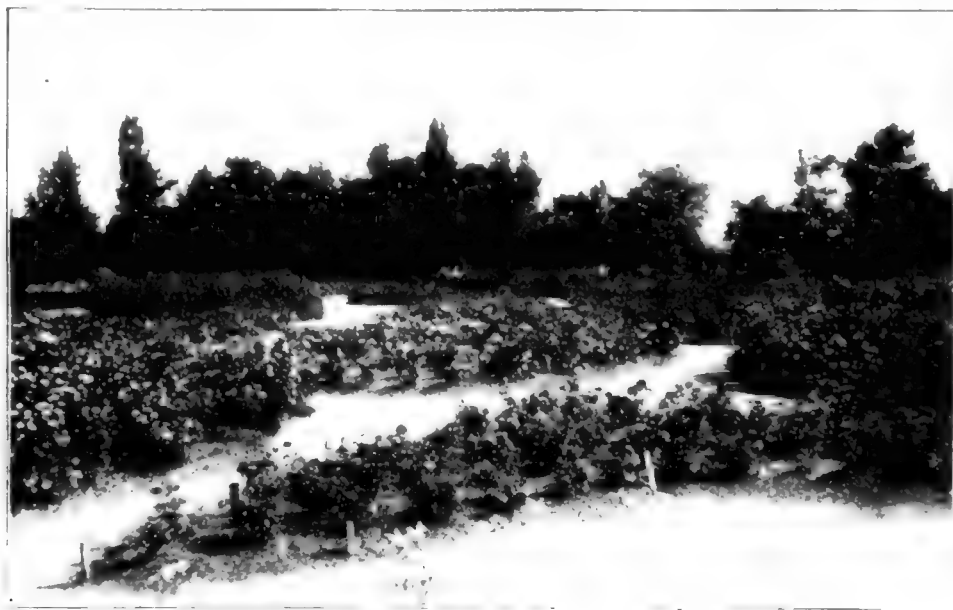
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TYING ROSE PLANTS.

Noticing Ribes' letter on tying roses, I offer my method as a suggestion. The plan is much less expensive and is also

sulphur is a good serviceable blower. The best machine that I know of for this purpose is the Peerless blower, which will be found advertised in these columns. It distributes evenly and quickly. When about to use the sulphur close the ventilators so that the powder may have a chance to settle evenly, and keep them closed for half an hour or so. This should be done during bright weather and when the foliage is dry. This should be done twice a week till the trouble disappears, and once a week after that, as a precautionary measure.

When firing becomes necessary, painting the pipes with a mixture of two parts sulphur and one part air-slaked lime will keep mildew away. If steam is used, put the sulphur on the return pipes; the hotter pipes will cause it to fuse, and the fumes of sulphur in a state of fusion is death to vegetable life.

RIBES.

ROOTING 'MUMS LATE.

When reading the recent article on chrysanthemums damping off, I thought that perhaps my experience in procuring late stock might be found useful to others who have trouble rooting stock in sand in summer. I had trouble with late struck cuttings, not from damping off, but I could not get good stems and the plants were not as strong as those from earlier cuttings. So I struck upon the following plan, which has given me great satisfaction for my last batch of stock is even bigger and stronger than the first.

After the stock plants are brought in from the cold frame they are planted on a light bench in good soil; then as soon as the cuttings are about three inches high they are taken and rooted in sand in the usual way. Then the stock plants are covered up with soil until nothing is seen but a few dead sticks left from last year's cut, and the label of each sort. They are then watered and very soon the shoots begin to break through and grow very rapidly, making strong growth. When they are about six inches high they are pulled off, not cut off, and are found to be fine plants ready for 3-inch pots, with a large bunch of roots and most of them with two stems, which are left on if the previous cutting was strong when cut. They are then potted into 3-inch pots and well watered and shaded until they start growing.

The cuttings, or I should say plants, taken this way are very strong and vigorous, as there is no drain on their vitality in making roots, for their attachment to the stock plants sustains and keeps them growing. They very soon out-trip the sand-struck plants, for by the time the sand-struck plants are ready for 3-inch pots these are ready for 4-inch or the bench, if it is ready for them.

A second crop of cuttings may be taken before the stock plants are covered up, if the stock plants are brought in early enough from the frame and if much stock is wanted. The varieties I have rooted in this manner are Major Bon-mallon, Mrs. Weeks, Ivory, Autumn Glory, J. E. Lager, Glory of Pacific, Polly Rose, October Sunshine and Mrs. Jerome Jones. The latter does not root as readily as the others; it has to remain longer on the plants. I am sure that anyone who tries this method in rooting his last batch of cuttings from stock plants will be more than satisfied with results.

RUDOLPH FISCHER.



Roses on the Wooded Island, Jackson Park, Chicago, June 22.

CARNATION NOTES—EAST.

Stem-Rot in the Field.

Carnation fields in this section are in most instances soaked to the point of saturation, making it impossible to cultivate, besides producing conditions conducive to the development of stem-rot. There are so many conditions beyond our control that tend toward the development of this disease in the field that it must be admitted to be one of, if not the worst enemy with which the grower has to contend. An advantage in having its ravages take place in the field is that less time and space are wasted, also contamination of valuable bench soil is avoided. I do not believe it to be a constitutional disease, but brought on wholly by conditions surrounding the plants. In that case it is necessary to resort to prevention rather than cure.

Intelligent preparation of field soil as regards fertility, method of handling, grade and general aspect of the land must be carefully studied. I have seen bad cases of stem-rot on land enriched by too much animal manure. If some other hood crop had been grown the first year, the land ploughed late in the fall, left exposed to the action of the frost, again ploughed in the spring and with the harrowing in of a liberal coat of wood ashes or air-slaked lime, the result would have been different.

In the case of depression in the land allowing the plants to stand in water for some time, the effect cannot be laid to stem-rot. Any plant but an aquatic would suffer by the rotting of its roots. We see equally well grown plants on both clayey and sandy soils; also cases of stem-rot occur in each kind of soil, so that while moisture has its effect in aggravating the trouble, it can hardly be called the cause; in fact, no one thing can be put down as the cause.

From the time the plant is set in the field until lifting time, there are many ways and means of its receiving a check in growth. It is then, I claim, that fungus growths embrace their opportunity. The ever present, lurking, thread-like germ enters; the conditions are perfect for its development; the result is soon apparent.

In arresting its progress it has been

my practice to remove affected plants as soon as discovered, securing the entire plant with a liberal ball, taking care to remove the whole to a safe distance and burn, afterward working into the surrounding soil a small handful of air-slaked lime. This year I am using six parts lime to one of grape dust; by this means employing three or more fungicides at once.

Having had but very little rot this year, I can only report adjoining plants in good health. From experience of other years I am satisfied that the disease did not spread from plant to plant. Last week as a general precaution I gave the whole field a sprinkling of lime. Hope to say more about lime next week.

GEO. S. OSBORN.

PLANTING AND FUMIGATING.

What is the proper distance apart to plant Princess of Wales violets? What is the proper amount of potassium cyanide to make gas for fumigating a house 50 feet long, 10 feet to ridge and both side walls 6 feet high?

SUBSCRIBER.

Ten inches is a good average distance, but this, like everything of this kind, can have no arbitrary rule, as so much depends upon your stock, your soil, time when planted, etc. One must learn by experience, after following general advice, how well his soil is adapted to each variety, and how large a clump or crown they make with proper treatment during the season, and therefore be guided by that. Always bear in mind that you will pick more and better flowers if the plants are planted a sufficient distance apart to allow the proper circulation of air around them. In illustration of this fact, just notice the next time you have, or see, a house that was planted too thickly, and see how much better the plants are in health and the flowers in size all about the edge of the border or bench, proving that they have plenty of air and opportunity to dry off quickly after watering, especially on dark, damp days, when there is a natural tendency to decay.

Subscriber has failed to give the width of his house, so I cannot tell him the exact quantity of cyanide to use in fumigating, but he can readily figure it out.

for himself, as you want the following quantity for each 1,000 cubic feet of air space in your house: Water, 1 quart; sulphuric acid, 1 quart; cyanide of potassium, 5 ounces. These quantities must be accurate. Of course, I take it that he is familiar with this deadly stuff and will take proper care in doing the work, remembering that, as a medical friend of mine told me once, "there is no antidote except the undertaker" if a man once breathes it.

R. E. SHUPHELT.

EASTER LILIES FROM SEED.

George W. Oliver, of the United States Department of Agriculture, has been conducting experiments in the propagation of the Easter lily from seed and the results are set forth in Bulletin No. 39, issued June 24, 1903, from which we reproduce the accompanying illustrations and the following extracts:

From small beginnings a little more than twenty years ago, the Easter lily industry has assumed vast proportions in recent years. In Bermuda more than 3,000,000 bulbs are exported annually to the United States. In Japan, at the present day millions of bulbs are grown from seed each year, the demand being so large that enough cannot be grown from vegetative reproduction. But, unfortunately, up to the present time there has been no selection from the seedlings. This is the reason why with each importation from Japan many bulbs are found which, when the plants begin to bloom, lack uniformity in size of stem, foliage, time of flowering and other characteristics. It is owing principally to the decadence of the Bermuda crop that the demand for bulbs from Japan has increased so very markedly in recent years. In 1895 the value of the bulbs exported from that country was \$40,000. In 1899 the figures jumped to \$130,000 and the increase during the past three seasons has doubtless been correspondingly large.

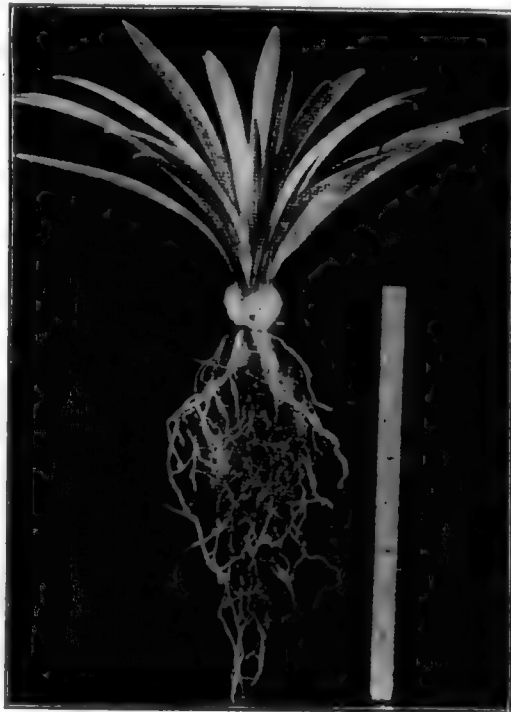
Owing to the frequent and constantly increasing number of complaints relative to the diseased condition of the Bermuda and Japan grown bulbs, the growers of this country are confronted with a condition to which considerable attention has already been given with a view to mitigating the troubles with which they have to contend in forcing the bulbs into bloom. When it is considered that probably over 5,000,000 lily bulbs are forced each spring, it will be seen that the crop is of great value; but experiences indicate that profits are very much curtailed by the diseased condition of the bulbs. During the past year complaints have been received from some of the largest growers that from 20 to 60 per cent of the bulbs were diseased.

Lily growing in Bermuda is an exceedingly profitable industry. Practically all the land available for the production of bulbs is utilized for this purpose, and, while a few growers use care, lax methods prevail because of the greater immediate gain. For instance, in the growing of bulbs for the American market the smaller sizes are planted in the fall and harvested in July, or before the bulbs have thoroughly ripened. In the process of handling, many immature scales drop from the bulbs. These are not thrown away, as they should be, but are carefully saved and planted with a view to raising small bulbs. These bulbs ultimately form a large part of the general crop.

As a result of investigation by the

United States Department of Agriculture, it has been shown that by the use of seeds instead of scales, larger bulbs can be secured in a much shorter time than by the scale method. If the general crop were raised from seeds there would be a saving of at least a year in the production of a marketable bulb. Moreover, it has been demonstrated that in this way plants can be grown which are entirely free from disease, and, most important of all, that the seedlings give an opportunity to select better types than exist at the present time.

In a large number of seedlings at least 50 per cent can be counted on to show desirable characteristics, which will be shown the first year following that in which the seed is sown, by the plants coming into flower. The remainder can



Lilium Harrisii x *L. Longiflorum*.
(Showing bulb 18 weeks after germination.)

be discarded and the good ones grown on for forcing, the size necessary for which will be attained the season following, or within two years from the time the seeds are sown. By keeping up the process of selection there will develop in a very few years strains from seed which will be superior to most of the plants placed upon the market at the present day.

The beginning of experimental work along this line has been carried on with the utmost care. Several bulbs of the true *Lilium longiflorum* and its principal forms were secured. The bulbs showed no trace of disease and as growth developed, those plants which showed signs of abnormal development were removed from the greenhouse and destroyed. A rigid process of selection was kept up until the plants came into flower.

A series of crosses were affected. The flowers of several plants of *L. longiflorum* were fecundated with pollen taken from the flowers of *L. Harrisii*, and vice versa. The seedlings from these crosses have already flowered and the results are very satisfactory. The progress made by the seedlings as a result of these crosses is somewhat remarkable in that they bore flowers in a comparatively short time after germinating. The seedlings were in 2-inch pots about five weeks after making their appearance above the soil. Ten weeks after germinating they

had made from two to four character leaves. From this stage onward the growth was quite rapid.

The smaller illustration shows a seedling with all the radical leaves showing, but not fully developed, eighteen weeks after germination. This is the stage just previous to the development of the flower stem. The bulb at this period is nearly three inches in circumference and is wholly formed of the bases of the leaves. This particular bulb was in no way injured by the soil being washed from the roots; it was repotted and formed a stem which bore two flowers. The bulbs shown in the larger illustration are the largest developed in the experiment. They were of the batch of *L. Harrisii* x *L. longiflorum* and were harvested August 15, ten months and fourteen days after the seed germinated. These bulbs measure six inches in circumference and each bulb produced three flowers above the average size. Where *Harrisii* was crossed with *longiflorum*, the plants in full bloom six months and thirteen days after germinating, the flowers were almost always longer than with the reciprocal cross, usually full two inches longer.

Lily farming in the United States is so new that one must not be discouraged if at first partial failure results. But so easy is it to raise flowering plants from seed that the writer is inclined to believe that should the time come when the disease is more rampant than at present, growers will, when the subject is better understood, be able to raise their own bulbs by a system of greenhouse treatment and have the plants from seed flowering in pots ready to be sold with a year.

This will probably seem like a fairy tale to the participants of the lily conference held in London in 1901. One of the papers read at that time states that many species of *lilium* must have from ten to twelve years to develop a flowering bulb from seed. Elwes, in his *Monograph on the Genus Lilium*, says of *L. longiflorum*, "in three or four years at most, flowering bulbs will be produced from seed if the young plants are properly treated."

ASTERS AND DAHLIAS.

A reader of the REVIEW modest enough to sign himself Ignorant sends me an aster plant and says that I will see that its roots are full of lice and "there is also a white grub," and he wants to know if there is any way to get rid of them. I must confess that without the aid of a microscope I could discover neither. Perhaps in the few days' travel both had disappeared. The plant looked fairly thrifty and the roots healthy. The only remedy I can think of, and one which, if not too much trouble, would be effectual, is tobacco. Dilute the rose leaf extract of tobacco to seventy-five times its weight or its measurement in water, or the nicotine to three hundred times, and give the plants a watering sufficient to wet the soil well. I would add that if the same plot of ground is to be used again next year for any such crops, a good dressing of slaked quicklime should be harrowed in next spring.

The same reader asks: "Will dahlias of different colors planted in the same field mix so that plants grown from these roots will show the crossing hereafter, and will you also tell me if one foot apart is too close to set seedling

dahlias the first year?" By no means will the roots have any influence on each other, any more than the roots of two varieties of roses would growing on the same bench. I would say that one foot apart for seedling dahlias would be first rate, with three feet between the rows.

WILLIAM SCOTT.

VIOLETS.

We seem to be going to extremes this season. In my last notes I thought the most seasonable thing we had was the much needed rain that we were then enjoying, but now we want it to stop as badly as we wanted to see it commence. As a result of all this, plants outside of the houses are in a fair way to get swamped with weeds; there has been no opportunity to work them, as it would ruin the soil and hurt the plants.

As I said before, with the usual kind of weather the greatest care must be used for several weeks to come, during the hot weather, that the red spider gets no foothold. They want to be watched sharply and at the first signs of spider, in fact, frequently before, turn on the full pressure of your water and give the under sides of the leaves a thorough spraying. It has to be done with so much vigor that when you get done you can readily see which way the water struck the plants.

It is also well to go over the houses about once a week and note all the plants that are not starting as they should, not holding their own with the majority of the house. Weed out such, throwing them away and planting in good ones from your surplus stock growing in the field. You can afford to give these a little extra care in lifting, so as not to shake off too much earth, so that they may not know that they have been removed, and in this way keep right up with those in the house.

In weeding and trimming the plants be sure and not throw them down in the paths, even for a few days, as it is a plain invitation to the sow bugs, etc., to make their home with you, and when it comes time to pick the violets, you will be looking for remedies for these pests that are eating the blooms faster than they can open. Any decaying matter of this kind invites sickness and disease in the plants themselves, so cleanliness is important in more ways than one, to say nothing about the looks of the establishment.

R. E. SHUPHELT.

CINCINNATI PREMIUMS.

The Fall Festival Association of Cincinnati has issued a schedule of liberal premiums for an exhibition September 10, to be held under the auspices of the Cincinnati Florists' Society. Competition is open to all, and it is hoped that many growers from a distance will send exhibits. Entries should be sent to John A. Ringold, 75 Perin building, and where exhibitors cannot attend, the club will see that careful attention is given all exhibits.

For best general display of plants or cut flowers premiums of \$150, \$100, \$75 and \$50 are offered. For best display of roses, not less than 100 blooms, the awards are \$15, \$10 and \$5. The best vases or displays of carnations, not less than 400 blooms each, will receive \$12, \$8 and \$5. The three premiums for gladioli are \$15, \$10 and \$5. For asters, not less than 300 in the display, \$15, \$10



Bulbs of *Lilium Harrisii* x *L. Longiflorum* Grown from Seed within Ten Months.

and \$5 are offered, with premiums of the same amount for the best vase or display of lilies and the best vase or display of dahlias.

A second exhibition is to be held on September 17, to be table decorations exclusively. The tables are to be of not more than 150 square feet and the three premiums are to be \$200, \$150 and \$100 respectively. This should serve to call out sharp competition.

NEW POT HOLDER.

H. C. Chessman, of Chessman & Schepman, and secretary of the Florists' Club of Richmond, Ind., has applied for a patent on a new pot holder or plant stand. The device consists of a double corrugated wire standard, with sufficient anchorage to hold the support in a firm and upright position when placed in the bench. On this upright are placed at intervals a corrugated ring so constructed that it can be adjusted to any desired height, and when so placed is firmly held at right angles with the standard. The corrugated ring is cut opposite the standard and provided with hooks and loops, so that the ring can be adjusted to any desired size, thus accommodating itself to the plants when small, and as they grow larger the ring can be made larger to correspond. The hooks or loops are so constructed that when properly placed and locked they cannot come apart until released and unlocked, which can be done in an instant. The above invention is really two in one, as the corrugated rings are also used as a pot holder and can be adjusted to any desired size of pot, thus converting any pot plant into a hanging basket. A hanger is provided that hooks into the ring and when properly placed the more weight there is on the hanger the tighter the ring becomes locked.

SUBSTITUTE FOR GLASS.

A firm at Jackson, Mich., styled the Flexible Glass Manufacturing Co., of which D. P. Sagendorph, an attorney, is director, has secured a patent on a material which is offered as a substitute for glass. If substitute it should prove to be, it will fill a long felt want, for the material is cheap and practically unbreakable. It looks much like mica but is flexible like celluloid or rubber and does not crack or even crease when folded. Thin samples would seem to show

that if it will not admit as much light as glass, the lightness will permit of a considerable reduction of shade by reducing the number of sash bars required. The sheets are impervious to water, but when stretched tight might be punctured by hail or stones. The apparent difficulty to be overcome after the practical nature of the material has been tested, is its inflammable nature. Arrangements are being made whereby it is expected that the "flexible glass" will be on exhibition at the Milwaukee convention.

HAIL LOSSES.

American window glass manufacturers claim that French and Belgian glass is lighter than the glass of home production. In this connection J. G. Esler, secretary of the Hail Association of America, writes that "the assessments of the association are, upon single thick glass, 8 cents per hundred square feet, and 6 cents per hundred square feet upon double thick, whether it be French or American glass. The F. H. A. simply accepts the standard of quality of the manufacturer."

The Florists' Hail Association has, from its organization to date, paid losses amounting to \$57,149.60. Losses paid since May 1, 1903, were:

F. E. Blake, Columbus, Kan.	\$ 22.40
R. M. Nugent, Columbus, Kan.	11.00
A. N. Kinsman & Co., Austin, Minn.	127.90
John R. Elder, Sioux City, Iowa	654.14
George H. Staton, Columbus, Kan.	12.30
Fred Bishop, Sioux City, Iowa	33.37
J. C. Rennison, Sioux City, Iowa	267.81
Sunderbruch & Meier, Cincinnati, Ohio	41.48
D. C. Noble, Columbia City, Ind.	7.40
Schmalzl & Huber, Marysville, Kan.	4.35
Thomas Wilson, Kilmawick, Mo.	17.50
L. A. Smith, Wheeling, W. Va.	35.70
M. K. Bishop, Sioux City, Iowa	106.65
Wm. Murphy, Cincinnati, Ohio	58.60
Henry Brown, Seneca, Kan.	27.24
A. C. Anderson, Columbus, Neb.	9.24
Henry Moore, Manhattan, Kan.	26.90
John Lester, Ottawa, Kan.	24.00
E. R. Sackett, Fosteria, Ohio	273.56
Bertermann Bros., Indianapolis, Ind.	7.35
Conrad Hess, Baltimore, Md.	6.26
E. H. Zimmer, Woodbine, Iowa	3.10
Mrs. S. H. Bagley, Abilene, Kan.	3.80
C. J. Lampe, Concordia, Kan.	5.66
W. A. Lankford, Charlottesville, Va.	17.55
Chas. A. Pfeiffer, Sedalia, Mo.	20.50
S. R. Faulkner, Omaha, Neb.	16.73

BUFFALO.

The Spring Business.

Your correspondent has been so much in the woods of late that to write up city news seems presumptuous, but having telephonic communication nowadays, we

can glean the principal news. The bedding and outdoor gardening kept up to the end of the month and in extent I should think satisfied everybody in that line of business. For the past two weeks everybody has been running to everybody else for geraniums in flower. They must be in flower, you know. The aggregate of the plant business must have considerably exceeded any past season—a bigger town, more houses and more people to buy. Neither on the lawns surrounding the costly mansions nor on the grass plot in front of the less pretentious dwelling has there been much cutting up of grass for flower beds, but for veranda boxes and large jars of flowering plants there has been a great demand, and yet this is not where the great bulk of the flowering plants go. It is to the thousands of humble cottages, where all have a little garden and a few mixed plants.

We do not remember the school graduating business ever before to have been quite so good for the florists as it has been this year. It lasted almost two weeks and finished in a blaze of glory and blossom last Friday. Normal schools, high schools, private academies and sixty grammar schools kept the boys humping to get bouquets for the dear young things of both sexes. The last few days flowers were decidedly scarce. Red and good pink roses and carnations were in greatest demand and good carnations were scarce. Many weddings have also helped to make the store men busy. Some were quite elaborate and many wanted a modest decoration, while a great many were satisfied with the newspaper notice being the principal feature.

A Visitor.

I have missed the many visitors of late. Too bad. Peter Crowe, of Utica, however, honored us with a call in our rural retreat, where we had a lively discussion on how a solid bed for roses should be made. He believes the roots should be given a chance and encouragement to go away down to Tasmania. Some people don't believe in that, but those who differ with him should remember that Peter takes the cake and the best price for his roses in New York City, and "the proof of the pudding is in the eating." Asking him if he trod down his beds before planting, he shuddered and said "My gracious, no! I did once," he said, "and had to dynamite it when I wanted to break it up." But that's no criterion, readers, for when Mr. Crowe stands on one leg, there is a pressure of seventy-five pounds to the square inch, reckoning his foot to be eleven inches long and three and one-half broad. Mr. Crowe tells me he is selling large blocks of his splendid adiantum, which he has poetically named A. Crowe-anum.

Notes.

I regret very much to have to report a serious accident to Jos. H. Rebstock. He was driving in the park with his wife and little son when his horse became frightened at an auto and before Joseph could bring him down the carriage was upset and Mr. Rebstock's leg broken. Mrs. Rebstock and son escaped with a few bruises. This is a bad time of year for Joe to be laid up, for he is president of a line of excursion steamers and the summer resort of Crystal Beach on Lake Erie's Canadian shore.

We must expect the midsummer dullness to be upon us now, but fortunately

Buffalo is a summer resort itself and we do not notice any great exodus of our people. There is no excuse to be robbed at the seashore or eaten to death by mosquitoes in the woods. Unfortunately in all our cities the people who live in crowded, sweltering streets, and to whom a month in the country would be heaven, must toil on, while those who have spacious lawns and shade trees and cool verandas and hammocks and all else material that heart could desire, including an automobile, leave their happy homes for fashion's sake, whether they like it or not.

W. S.

SAN FRANCISCO.

The Market.

We are having delightful weather again, neither hot nor cold. Business is somewhat better, I think, than it was last year at this time. There is nothing to brag of, but I have spoken to almost all of the retailers within the last week and all of them are in rather a pleasant frame of mind. We have had a goodly number of weddings, and funeral orders do not seem to show any falling off.

Carnations and roses are better, both in form and color, than they were a few weeks ago and the school closings of the last two weeks have used up a great quantity of them. Prices are low, but considering the season, the stock seems to be bought up rather lively and the sidewalk dealers are not getting everything at their own figures, as they generally do in mid-summer.

Good roses are somewhat scarce. Beauties are not extra good, although Brides and Maids are in good shape. Kaiserin, Testout and Liberty are selling wholesale at three dozen for a dollar, and short stems considerably less. Good Beauties wholesale at from \$1.50 to \$2.50 per dozen. Carnations in the fancy varieties sell at \$3 per 100 and the commoner sorts at from \$1.50 to \$2. Other stock is cheap, of course, but the best of it is in very fair demand.

Various Notes.

D. H. Lenox has been in town for the past few days. Mr. Lenox is one of Los Angeles' well known nurserymen and he is up in this part of the world in quest of stock for next season. He reports everything booming in Southern California.

W. P. Fuller & Co. report their sales of greenhouse glass as very heavy this season. They have had some trouble to keep the usual sizes on hand. They have contracts to supply one Alameda county firm with 2,000 boxes during this summer.

The Alameda County Horticultural Society held its regular meeting last Wednesday night. There was a good attendance on hand and the proposition to hold a fall flower show was debated at considerable length. A committee was appointed to see what arrangements could be made.

G.

BOSTON.

The Market.

Scarcity of material, good demand and good prices lasted until Friday of last week. After that the scarcity continued to a less degree and the customers continued in a still lesser degree, so that the average is much more to the buyer's credit because he really can get the

goods he wants now and at a little better figure, probably, although he must not gamble too heavily on that part of it.

Goods are scarce, and yet I think they are doing well indeed when we consider the run of weather we have had. Carnations seem to be coming a bit better, perhaps on account of the few little glints of sunbeams we have had lately; but roses are coming in a fully worse condition than any time since a year ago or more, when so many were badly mildewed. Two or three growers have them now very good indeed, but the majority are badly mildewed, small and out of order generally.

Death of R. Haley.

Much sympathy is expressed for the wife and four small children of Richard Haley, the Malden florist. They are left quite destitute by the death of the husband and father, who fell from a building in Boston nearly a week ago, upon which he was working, sustaining such injuries that he died Sunday, the 28th.

Notes.

Rather more than the usual number of florists will spend their vacation in Europe this summer. Those slated for the trip soon are M. E. Tuohy, E. Sutermeister, L. H. Fellows and A. Leuthy.

The position of the market gave many florists a fine view of the Hooker parade when fresh from the starting point. It was probably the best parade ever seen in the city, being very fine indeed. Florists E. N. and Allen Peirce, Lassman, McDonald, John Newman, W. W. Tailby and Keenan took part in different organizations of the parade, Mr. Lassman being in that part bannered "Hooker's Old Brigade."

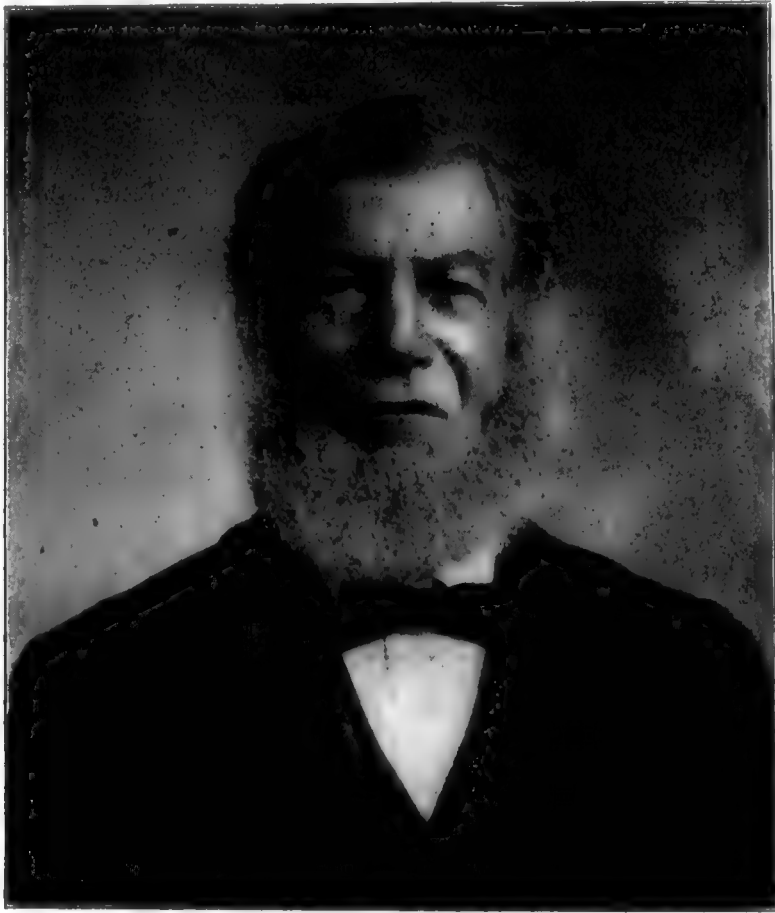
J. S. MANTER.

NEW YORK.

The Market.

The abnormal weather of the last twenty days culminated in the worst storm of the season on Monday. The rainfall for June is double the average. The fact is, we have had no summer at all and business of every kind has suffered. The past week, with its shortage of stock, and numerous school commencements, belated weddings and international and other dinners gave the wholesale trade an inning which was well deserved. Prices soared for a few days to old-time rates and in some cases to winter values. Carnations and roses were especially favored, Beauties bringing occasionally \$4 to \$5 a dozen. The general expectation, however, is an early drop to summer rates again.

The exodus to Europe or to the country gathers volume as the warm season approaches, and summer dullness is already "discounted," as they say in Wall street, when anticipation precedes development. Early closing already prevails among the wholesalers, many locking the doors at 3 p. m., and most of them at 6. But the retailers still keep open house later than is necessary. It's a pity every retail store in the big cities cannot close during July and August promptly at 6 o'clock p. m. The added devotion, appreciation and good nature of the employees would more than compensate for the possible loss of an occasional order. A movement is on foot (and it should be on horseback and swift) to this end, and if the Fifth ave-



The Late Charles Zeller.

nue and Broadway moguls will fall in line, the wisdom of the plan will be generally acknowledged, and the man who fails to accede to the reasonableness of the system will be as unpopular as he deserves to be.

Death of Charles Zeller.

The saddest event of the week is the death of the veteran of Flatbush, Charles Zeller, who passed away Sunday, June 28, one day after his 76th birthday anniversary. Dissolution followed a long illness and much suffering, borne with unflinching patience and hopeful resignation. No more lovable character has ever been known to American floriculture. He was everybody's friend. His cheerfulness was unending and his record of an honorable life, with the respect and affection of all. He never had an enemy. Everybody loved "Papa" Zeller, as he was fondly called. He was a pioneer in the trade and was one of the first growers to take up the carnation as a specialty. He was the introducer of many commercial favorites of a few years ago. Now that he has rested from his labors, his memory will remain an inspiration to all who ever grasped his friendly hand or felt the influence of his delightful personality.

Various Notes.

The West Shore, the Wabash and the St. Paul have been definitely chosen as the route the New Yorkers will take to the Milwaukee convention in August. Louis Haffner will be in charge of the party, which is a guarantee of perfect arrangements for comfort and pleasure, his chaperonage on the occasion of the Buffalo convention being still a pleasant memory. The "procession" moves at 1 p. m., Sunday, August 16, and the Boston party is expected to join the special train at Rotterdam Junction. This means a happy trainload of at least 100, straight through without change of cars. The fare for the round trip is \$27.40,

and berths may be secured by writing Walter F. Sheridan, 39 West 28th St. There is no doubt of an attendance of over 50 from New York. In fact, I hear of a much larger party than usual from this center, and interest will grow as the date approaches. Milwaukee is ambitious to have the largest attendance on record. Sample pages of the souvenir have been received in the east and indicate a very handsome production under the special censorship of C. C. Pollworth.

The exhibition of the Chrysanthemum Society of America and the American Institute at the new Herald Square exhibition hall, November 10 to 12, is likely to attract much interest because of its favorable location. The schedule of premiums, printed in full in these columns a few weeks ago, has now been issued in pamphlet form. Mr. Herrington, the president, is working indefatigably for the success which now promises to reward his efforts. He is being ably assisted by F. R. Pierson, F. H. Lemon, J. N. May and the other officers of the society. Mr. May is at present on his annual fishing and recuperative outing.

The outing of the New York Florists' Club took place July 1. At this writing (Monday) it looks as though the committee is assured of a great success. All that is needed is good weather. An advance sale of double the number of tickets sold last year insures an attendance of 300 and the fullest preparations have been made for refreshments, dinners, sports and safety, and a harmonious and delightful gathering should popularize the club and make its future a credit to the city.

The New York papers are full of enthusiasm these days over the projected Clinton Market building, which seems to be assured, and at a cost of \$250,000. The spaces are to cost \$100 a year each, and already enough have been spoken for to insure an income of \$25,000 a year. It will have fountains and swimming baths in the center, will be open

night and day, and if projected plans are consummated will be the most unique and complete structure of its kind in the world.

George M. Geraghty, formerly manager of the floral department of Daniels & Fisher, at Denver, is here from South Africa, and has a very interesting story to tell of the Boer war, in which he took an active part.

He is quite satisfied to be back in God's country, and contemplates remaining in New York City and engaging in the florist business. His ability as a decorator will find ample opportunity for demonstration. His friends in the west will be glad to know of his safe return.

J. H. Small & Sons put up a unique decoration for the banquet to Sir Thomas Lipton, at the Waldorf-Astoria June 24. Yellow and green are the colors of the knight who persists in trying to "lift the cup," so Arthur Merritt worked out an enormous design of the shamrock in moss, surrounded by a field of coreopsis.

Alex Guttman has moved into his new residence above his store on West 29th street, and has now complete facilities for the prompt attention to orders. Mr. Guttman was shy a shipment of 1,500 carnations last week, from Chas. Weber, of Lynbrook, L. I., much to his own and his patrons' annoyance. A cog was loose in the express system somewhere. Stock was too scarce last week for one to lose a petal with equanimity.

James McManus has added to his assets for investment purposes a three-story and basement house on West 20th street. Real estate in New York City is about as safe a bank as any in the world.

The last auction of the season was held on Tuesday at Elliotts', the end of a most profitable season.

The Greenwood Florists' Association held its annual picnic at Ulmer Park June 26. It was a great success, and an attendance of several hundred testified to its popularity.

The Stumpp & Walter Co. has added J. H. Cox, of Newport, to its force of salesmen.

The retailers' windows begin to take on their summer garb, and in a few of them banks of ferns constitute the only decoration.

Chrysanthemums may yet be seen at Thorley's and the artificial lily basins at Smalls' and Warrendorffs' are very interesting.

Young & Nugent had a grand window of *Cattleya gigas* last week, 500 splendid flowers which readily brought 50 to 60 cents each.

Mr. Nash, of Moore, Hentz & Nash, leaves July 9 for a well-earned European outing.

Max Roth, at one time with Mr. Bowe and later with Jas. McManus, died suddenly a week ago of cerebral hemorrhage. He was a member of the 9th regiment and Mr. McManus speaks highly of his faithfulness and industry.

Siebrecht & Son sold their grand bay trees, among the finest specimens ever sent to this country, before vacating their old stand at 37th street and 5th avenue.

J. AUSTIN SHAW.

INQUIRERS should bear in mind that it is necessary to attach their real name and address to inquiries, though only initials or a pseudonym may be used for publication. We cannot give attention to inquiries from unknown parties.

ST. LOUIS.

The Market.

Very little can be said of the business done the past week, and some of our florists are complaining that summer dullness has set in for good; still, a big amount of funeral work was made up, but not any very large designs were reported. This kind of trade is about all our florists have to depend on nowadays, but some were busy with shipping trade for out-of-town school commencements the past week. The weather is still cool and the Fourth of July is close at hand. This is one holiday on which the florists can close up and celebrate.

The glut in sweet peas is still on and there is no fixed price on them. Some were sold as low as 35 cents per 1,000 in 10,000 lots. Some of the best bring \$2 per 1,000. The store windows downtown are loaded with them, and they are sold at 5 cents per bunch of 25. It was estimated that the three wholesale houses handled 20,000 daily the past week. These were not all sold; a great many of them were dumped. The bulk of the shipped carnations are arriving in bad condition. Home-grown stock is much better. Good Flora Hill have a big demand. For pink Ethel Crocker is preferred. Of these the stock is not overplentiful, but enough are in to supply the demand. Good fancy stock is still up in price, with common sorts down to a cent. White roses shortened up somewhat last week. The demand is always good for these. The Brides are still full of mildew. The clean foliage on the Kaisersins give them the preference. Maid, Meteor, Gate and Liberty when good sell well. More Maids are in than the demand requires. Beauties are very scarce and only an occasional good bunch can be found. Some good valley can be had at the usual price. There is plenty of outdoor stuff in the market, which has very little demand. The greens market is in much better condition and fancy ferns are more plentiful, though still limited. Smilax, Asparagus plumosus and Sprengeri are still in fair demand.

Club Meeting.

The July meeting of the Florists' Club will be held next Thursday afternoon at "Billy" Winter's place in Kirkwood, Mo. The Kirkwood florists are making great preparations to entertain the members, as they expect a big attendance. The nomination of officers will take place, and as these officers will hold over the World's Fair it is the members' duty to attend and nominate efficient men for the different offices. The present staff is a capable one, but the head of the club cannot succeed himself. The club still has good material left from which to select a president. The members are to meet at the Sarah street crossing on the suburban line at 12:30, go in a body, leave the car at Taylor avenue in Kirkwood and walk north to Mr. Winter's place, which is only a short distance. This will bring the members out in time to open the meeting promptly at 2 o'clock. After the meeting a visit will be made to the different floral establishments in Kirkwood.

Club Picnic.

The trustees of the club held a meeting at Ellis' wholesale house to perfect arrangements for the club's picnic, which is to be held on Thursday, July 23, at Preister's Park. The invitations are now

in the hands of the printer and will be mailed to all the florists next week. Each invitation will have enclosed a badge which will entitle the holder to all privileges on the grounds. There will be games of all kinds for the children and adults. A bowling match for ladies and gentlemen will be one of the features. F. C. Weber will be in charge of the bowling and J. J. Beneke director of amusements. Some of the store men have signified their willingness to close their stores on that day in order to give their employes a day of enjoyment. The committee in charge of the outing is composed of John Steidle, Frank M. Ellis and Charles J. Juengel. Any information regarding the affair can be had from them.

News Notes.

Park Commissioner Aull on Wednesday last reappointed the old office staff and ten new park keepers, as follows: A. Henerich, Benton Park; Charles Asher, Hyde Park; Thomas Dwyer, Carondelet Park; V. Krober, Laclede Park; Charles B. Wilson, O'Fallon Park; M. McGroraty, St. Louis place; A. Gavin, South St. Louis Square; Pat Rell, Carr Park, and John Byron, Gamble place. The remainder of the appointments will be made this week, including the general superintendent.

The St. Louis & Suburban Railroad Company has offered prizes for the best-looking lawn along its route. Professor H. C. Irish, W. J. Stevens and Herman Stifel of the Engelmann Botanical Club compose the committee appointed by the Civic Improvement League to award the prizes.

Some of the craft are at a loss to know what has become of Robert Tesson, who has not been seen by any of us for some time. Can it be that Robert has gone on his European trip without saying good-bye? If so we wish him God speed and a safe return.

Alex Siegel is making preparations for an extensive fishing trip after the Fourth of July. Alex is a natural born fisherman and never fails to bring home a big string, even if he has to buy it.

George Ostertag was seen the other day taking things easy at Sister Mary's place, on Grand avenue. George looks better and bigger than ever. He has lines out for a big city job and we hope he will succeed.

The match game of bowling between Schwartzkopf and Schonelle will take place to-night (Monday), or just as soon as Mrs. Ayers returns from a trip to the country to visit her brother. The betting is even. Both are training faithfully under the guidance of Will Adels, who is a friend of both.

Otto Heinecken, representing Bobbink & Atkins, Rutherford, N. J., is in town looking after the growers' wants. This is Otto's first visit to St. Louis and the boys find him a very sociable fellow.

Andrew Meyer, Jr., was appointed general superintendent of public parks to succeed F. W. Pape. Mr. Meyer is yet a very young man, only 23 years of age, and is the son of Andrew Meyer, of 3214 South Jefferson avenue. The position calls for a competent and experienced man, and as Mr. Meyer qualified no doubt he is all the position calls for.

The business of the St. Louis Carnation Co. has been closed. T. B. Call has withdrawn and the business will hereafter be run by J. W. Dunford.

Wm. Trillow, of Chicago, is in town and will on Thursday be married to Miss

Grace Estel Ostrom. Mr. Trillow is now with the Iowa Seed Co., of Des Moines, Iowa, and will have charge of their greenhouses. Mr. Trillow has many friends in the trade here who wish him luck in his new venture.

Bowling.

The two teams got at each other again on Monday night. The bowling was very fine. John Sturtz, who has not bowled for some time, made an average of 200, with Beneke second with 189 and Kuehn a good third. The score follows:

Review.	1st.	2d.	3d.	Total.
Beneke	192	185	189	566
Adels	180	138	154	472
Miller	144	167	133	444
Weber, Sr.....	145	142	97	386
Young	129	145	144	418
Total	700	777	717	2286
Exchange.	1st.	2d.	3d.	Total.
Sturtz	178	202	220	600
Kuehn	147	188	162	497
Ellis	130	116	137	383
Schwartz	89	113	97	299
Weber, Jr.....	111	120	103	343
Total	646	748	719	2113

J. J. B.

NEWARK, N. J.—C. E. Clark has had a very good year on carnations and is preparing for a much larger output the coming season.

HAMILTON, ONT.—E. G. Brown has been very successful with Liberty rose this season and will grow it more extensively another year.

MCPHERSON, KAN.—Charles A. Simonson is adding another large house for carnations and making extensive improvements throughout the range.

ORMOND, FLA.—H. V. Betts is not in the best of health and has gone to Bretton Woods, N. H., in the heart of the White Mountains, to remain until cool weather.

STERLING, ILL.—Swartley & Sons will at once enlarge their carnation house 25 x85 feet. Several additional houses are contemplated. They do a nice shipping trade, with the demand in excess of the supply.

WANT ADVERTISEMENTS.

Advertisements under this head one cent a word, cash with order. Plant advertisements not admitted under this head.

Every subscriber is entitled to a free advertisement not exceeding 35 words in any one issue desired during the year. If the advertisement exceeds 35 words, send at the rate of one cent for each additional word.

WANTED—Young man who thoroughly understands the growing of roses and carnations. Stock, houses and soil in most favorable condition. Good salary will be paid to intelligent man. State experience and terms. No. 124, care Florists' Review, Chicago.

FOR SALE—A small greenhouse, hot water heat with double the necessary boiler capacity, besides about 7,000 to 8,000 flower pots, all sizes, and 20 glazed hotbed sash, on fine location, for sale cheap. Located beside a nice 7 room house, windmill and barn, which can be rented on reasonable terms. Good paying business. Address Aug. Schellenberger, Highland Park, Elkhart, Ind.

FOR SALE—One 10 horse-power horizontal tubular boiler in good condition. Has successfully heated 6,000 sq. feet glass for commercial purposes. price \$15.00. Myers & Co., Bluffton, Ind.

WANTED—Partner to take half interest in greenhouse establishment of 20,000 sq. feet of glass, established 20 years, buildings nearly new; must be sober and good grower of cut flowers; price for half interest, \$5,500, \$2,500 cash, balance to suit purchaser. Address No. 125, care Florists' Review, Chicago.

FOR SALE—Two 20 horse power boilers. One 15 ft. long, \$125.00; one 13 ft. long, \$150.00. Certificates with each for 100 lbs. steam. Address S. Gibbs, Woodville, Pa.

Choice Roses....

WE have large cuts of Brides and Maids now on and the best shipping stock the market affords. Plenty peonies. A 1 carnations and valley, peas, smilax and asparagus to meet all requirements. Let us have your order. "Right Goods at Right Prices."

E. C. AMLING,

The Largest, Best Equipped and Most Centrally Located
Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St.,

Long Distance Telephones 1999 and 1977 Central.

Chicago, Ill.

WANTED—Two young men. A-1 assistants. Pittsburgh Rose & Carnation Co., Crystal Farm, Valencia P. O., Pa.

WANTED—A good experienced man to take charge of greenhouses on private place, for growing cut flowers and specimen plants for home decoration. Must understand laying out lawns and beds. Must have good references. Address Waddington, Elm Grove, West Va.

FOR SALE—Some double thick glass, 16x12, 10x14 and larger at \$2.75 per box. W. H. Salter, Rochester, N. Y.

FOR SALE—Gorton side feed steam boiler, No. 138 (largest size) in good condition, used only two winters. Robt. M. Schultz, the extensive and well known florist of Madison, N. J. publicly testifies that a No. 137 (one size smaller) heated for him 15,000 sq. ft. of glass, keeping up a night temperature of 65 degrees and gave entire satisfaction. A prominent railway official using one of these boilers in his dwelling, believes it "the best heating machine made." Price \$200 f. o. b. Wm. B. Sands, Lake Roland, Baltimore, Md.

WANTED—Second-hand boiler to heat 3,000 ft. glass and pipe enough with thread on (2-inch pipe); all must be in good condition. George F. Wolf, Elkins, Randolph Co., W. Va.

SITUATION WANTED—As working foreman by all-round grower; roses a specialty; have been several years with one of the leading cut flower growers of the East. 33 years of age, single, only first-class place wanted. Address Oscar Soderholm, care Carl Soderholm, Red Wing, Minn.

WANTED—Young man with some experience in general greenhouse work. Permanent place and good wages paid. Address No. 123, care Florists' Review, Chicago.

SITUATION WANTED—As assistant in greenhouse work; have had quite a little experience and can furnish good references as to character, etc. Married, 3 in family. Address Lock Box 62, Fishkill Village, N. Y.

WANTED—Competent man to grow roses and carnations in a retail place. Must be willing to work. Write and state wages expected. Either married or single. H. Glenn Fleming, 819 Locust Ave., Fairmont, W. Va.

WANTED—All-round man to assist in nursery work and in greenhouse. Married man preferred. E. Ferrand & Sons, 379 Vinewood Ave., Detroit, Mich.

WANTED—At once, a good second-hand boiler large enough to heat 4,000 to 5,000 ft. of glass. Max Schreiber, McDonald, Pa.

FOR SALE—Pair of first-class tubular steam boilers, 10 feet long, 36-inch diameter, in first-class condition with heavy full blast iron fronts. Grates and all appurtenances and belongings, f. o. b., \$250, if taken at once. Aug. S. Swanson, St. Paul, Minn.

FOR SALE—New greenhouse material as follows: New 2-in. black pipe, long lengths, 10 cts. per ft.; 6x8, 50 ft. boxes, American glass, single, \$2.25 per box; 6x8, 50 ft. boxes, American, double, \$2.70 box; 6x8, 100 ft. boxes, French, single, \$4.00 box; 8x10 single French glass, \$4.50 per 100 ft. box; 12x14, 16x18, 14x14, 50 ft. boxes, American glass, double, \$3.60 box; 12x12, 10x14, 50 ft. boxes, American glass, single, \$2.40 box; 16x24 French double glass, \$3.50 box. Clear gulf cypress greenhouse material, and everything for building. Send for prices. S. Jacobs & Sons, 65 to 1375 Flushing Ave., Brooklyn, N. Y.

WANTED—Young man for place of 15,000 feet glass, where only cut flowers are grown; must be able to take charge and furnish A No. 1 references. H. Bornhoeft, Tipton, Ind.

WANTED—Foreman to manage 20,000 sq. feet of glass to grow carnations, mums, Easter bulbs and spring bedding. Must be reliable and strictly sober. Daniel E. Gorman, Williamsport, Pa.

FOR SALE—One Hitchings saddle boiler, No. 3. Has been in use only one winter. A. J. Lanternier, 1713 Walton Ave., Fort Wayne, Ind.

FOR SALE—Bolton hot water boiler. Will heat 1,500 feet of glass; in shape; a bargain for \$35.00. D. Kleinhans, Ithaca, Mich.

WANTED—At once, man to take charge (under foreman) of 15,000 feet of glass, growing carnations, mums, palms, ferns, bulb stuff, bedding plants, etc. Permanent position and good salary to thoroughly good man; no other need apply. W. W. Seekins, Duluth, Minn.

WANTED—5,000 florists to use our special box label with their name and address printed thereon. Price \$2.00 per 1000 prepaid. Cash with order. Send for sample. In ordering write your name and address plainly to avoid errors. Address Scholl Printing Co., Chillicothe, Ohio.

WANTED—Sober, reliable grower; roses, carnations, mums and bedding stock; retail place; state wages expected with board and room. Lewis R. Allen, Murphysboro, Ill.

WANTED—A good experienced grower to take half interest in florist and market garden place; central Massachusetts. 7,000 feet glass. 25 acres land, fine retail trade; easy payments. Address No. 122, care Florists' Review, Chicago.

SITUATION WANTED—By competent hand, married, no children; can build or repair any part of greenhouses; understand growing of flowers, bedding stock or vegetables including mushrooms. Industrious, no bad habits, thorough business man. References indisputable. Address No. 119, care Florists' Review, Chicago.

WANTED—Second-hand hot water boiler and pipe to heat 2 houses 16x70 and 12x75, 60 degrees. J. F. Sked, Westerville, Ohio.

WANTED—Young single man who can grow roses, carnations and general stock; steady place for right man; state wages with board and room. J. W. Rentz & Son, 325 W. 2nd St., Peru, Ind.

WANTED—Two or three men for carnations and roses. Bassett & Washburn, Hinsdale, Ill.

WANTED—Two good men for general greenhouse work; two helpers in rose section. J. F. Wilcox, Council Bluffs, Iowa.

FOR SALE—Greenhouses stocked; dwelling, about 4 acres ground; no competition. Good chance and will sell cheap on account of sickness. Address S. L. Harper, Mechanicsburg, O.

SITUATION WANTED—By sober industrious man of 43, wife and one child, to take charge of small garden farm and greenhouse, on salary or shares. Must be within five miles of good market. Twenty years' experience. Address Practical Gardener, Hazel, Allegheny county, Pa.

FOR SALE—No. 8 Furman hot water boiler in good order. Is heating 8,000 feet glass. Make us cash offer. F. O. B. East Aurora, N. Y. Wise Bros.

AMERICAN BEAUTY,		Per doz.
30-36-inch stem.....		\$3.00
24-inch stem.....		2.00
20-inch stem.....		1.25
15-inch stem.....		1.00
12-inch stem.....		.75
Short stem.....		\$4.00 to \$5.00 per 100
		Per 100
Brides and Maids.....		\$3.00 to \$6.00
Meteors and Gates.....		3.00 to 6.00
Kaiserins.....		3.00 to 8.00
Carnations.....		1.00 to 1.50
large and fancies.....		2.00 to 3.00
Harrisii.....		\$1.25 to \$1.50
Auratum Lilies, per doz.,		\$1.50
Sweet Peas.....		.25 to .40
Valley.....		4 00
Peonies .....		.60c to per 75c doz.
Marguerites.....		.40 to .50
Asparagus... per string, 50c.		
Asparagus Sprengerii.....		2.00 to 5.00
Ferns... per 1000, \$1.25.....		.15
Galax.....		1.25..... .15
Adiantum.....		.75 to 1.00
Smilax..... per doz., \$1.50.....		10.00
Subject to change without notice.		

FOR SALE—Some extra good second-hand 3-in. pipe at 6c per foot; also some 4-in., guaranteed sound. W. H. Salter, Rochester, N. Y.

FIXTURES FOR SALE.

Store fixtures complete, consisting of refrigerator 8x6x8 feet, plate glass front 5x6, plate glass doors, box made to order after original design, desk with mirror 5x6 feet, mantel shelf with mirror 5x6 feet, all glass and mirrors beveled plate, counter table 10x4 feet, plant table 8x8 feet, zinc lined, other shelving and fixtures all made to order of select birch, stained mahogany; cost \$800, used six months; will sell at \$500. Address **AUGUST S. SWANSON, St. Paul, Minn.**

FOR SALE AT A BARGAIN.

Our well-known Greenhouse property. Place well stocked and doing good business. Will sell at a bargain, with or without large stone dwelling house. Have also for sale, 5000 ft. 4-inch pipe with all kinds of fittings; 1 boiler in perfect condition; will heat 4000 feet 4-inch pipe.

W. L. SMITH, Aurora, Ill.

S. A. F. CONVENTION.

I will take charge of the exhibition of your goods at the S. A. F. Convention to be held at Milwaukee in August. Will give them good and faithful care and take orders if desired. Correspondence solicited. I refer by permission to The Florist's Review and The Joliet National Bank of Joliet, Ill. Address—

C. E. FINLEY, JOLIET, ILL.

75 Boxes ^{16x24} B. D. S. Glass

at \$3.75 per box, F. O. B. Chicago.

Surplus stock from building. Cash must accompany order.

J. A. BUDLONG,

37 Randolph St., CHICAGO.
Mention the Review when you write.

EXTRA LOW PRICES.

On boilers and engines to close them out.
One No. 5 Ericsson engine..... \$40.00
One No. 8 Ericsson engine..... 70 00
One No. 10 Ericsson engine..... 80 00
One No. 5 Rider engine..... 65 00
One Clorofic sectional boiler, 900 sq. ft. rad'n 55.00
One Scollay boiler No. 9, invincible, cost new, \$260.00..... 140.00
One Scollay boiler, small No. 2..... 30.00
One Lord & Burnham boiler..... 50.00
One Spence No. 40..... 55.00
One coil boiler, 2,200 sq. ft. radiation..... 60.00
All guaranteed to be in good working order. Boilers taken in exchange.
New 2-inch Pipe, 10c per foot net.
Second-hand 2-inch Pipe, 8c per foot.
Second-hand 1 1/2-inch Pipe, 5 1/2c per foot.
Second-hand 1 1/4-inch Pipe, 4 1/2c per foot.
Second-hand 1-inch Pipe, 3 1/2c per foot.
Second-hand 3/4-inch Pipe, 3c per foot.
3,000 ft. job lot new 3/4-inch hose, \$5.00 per 100 feet, not guaranteed.
New 3/4-inch hose, guaranteed one year for 150 lbs. pressure, 7 1/2c per foot.
Write for prices on all kinds of tools and lumber.

MANHATTAN SUPPLY CO.

440-442 11th Avenue, NEW YORK.
Mention The Review when you write.

PHILADELPHIA.

The Market.

Flowers continue in great demand, especially white. The frequent rains have made outdoor stock very uncertain. It is often difficult to procure enough flowers to fill the orders. Beauties are selling very well and have stiffened in price. The flower market has obtained top figures for some very well colored blooms. Robert Craig & Sons are sending in some Harrisii lilies which help out nicely. Tea roses are in good demand. Carnations are scarcer. Valley is selling pretty well. Sweet peas continue to sell in quantity at fair prices. Taking it all in all, business is unusually active for the first of July.

A Waretown Outing.

The Florists' Yachting Club went down to Barnegat Bay last Friday as the guests of the genial Commodore John Westcott. There were about twenty in the party, most of whom remained over until Monday. A glorious sale before a stiff breeze on the bay marked the first day of the visit. The evening was devoted to games, with a lot of noise and fun. The Commodore retaliated for the inroads made on his sleep by his boyish guests by bursting into their sleeping room with a cheer at 4:30 on Saturday morning. A fishing trip followed, which everyone enjoyed so much that the shyness of the fish was hardly noticed. Among the Commodore's guests were W. H. Westcott, William Westcott, Robert Craig, John N. May, Walter F. Sheridan, Samuel S. Pennock, A. B. Cartledge, J. William Colflesh, Geo. Craig, James Griffin, Richard Lynex, G. C. Watson, of Dunham; Robert Kift, David Rust and others.

The Fordhook Visit.

W. Atlee Burpee & Co. invited the visiting seedsmen and a few others from this city, among them several florists, to their farm at Fordhook, near Doylestown, on June 27, to inspect the trial grounds. A very large party left the Reading Terminal on the special train at 10:50 a. m., reaching their destination after a beautiful ride of a little over an hour. The party were cordially welcomed by Messrs. Burpee, Earle and Darlington and were most hospitably entertained. The farm of probably 150 acres was in perfect condition, freshly cultivated, not a weed to be seen anywhere. The order and system displayed everywhere were remarkable. All the labels were under number. A guide with a book accompanied each group of visitors to explain the names and history of the varieties of seeds being tested. The tour of the farm was absorbingly interesting, a day long to be remembered by those fortunate enough to be present.

Various Notes.

C. A. Dunn & Co. opened a new commission house on Monday at 1516 Sansom street. They have the first floor, basement and sub-cellar, each about 20x45 feet. The first will be used for office and salesroom, the second for receiving and handling flowers, and will contain the ice-box, and the third will be very useful for hardening carnations. The place is neat and attractive in appearance and is rapidly being put in shape. Flowers are already being received and distributed. Clarence A. Dunn is well known in connection with the firm of

Dumont & Co., where he has been for some years past. His right hand man, Charles Edgar, came to him from the retail firm of J. Wolff, Sr., 1407 Columbia avenue. Carnations and Beauties will be specialties with the new firm.

Charlie Gray has left Leo Niessen to go to Dumont & Co.

William J. Baker is receiving *Asparagus plumosus* and *Adiantum cuneatum* of fine quality in quantity.

Leo Niessen is receiving Harrisii lilies in quantity.

Eugene Bernheimer has just received a shipment of 100,000 bronze galax leaves.

Edwin Lonsdale is going heavily into Queen of Edgely rose this season.

The boys at the Flower Market are wondering what makes R. G. Palmer so happy these days. Some of them say it is because his ball team is winning so many games. Others say that it is a new girl in the house.

Geo. E. Campbell, of Flowertown, will discontinue growing carnations and devote the two houses which he has had in carnations to Bride and Maid roses. His roses have done very well this year.

W. T. Hilborn, of Newton, is cutting some good Brides and Maids. Mr. Hilborn believes in keeping his roses in for several years, as he thinks that it pays him to do so. He does not dry them off but simply cuts off the dead wood and bushy growths.

Bowling.

The following are the scores of the fourth series of games for places on the Milwaukee team. The alleys were fine and the scores very even. W. J. Moore and L. Dunlop were absent. The contest is becoming exciting and only nine more games remain to be rolled:

Player.	1st.	2d.	3d.	P'ts.
Moss	157	129	160	1
Gibson	156	144	164	1
Kift	172	121	153	2
Yates	159	130	147	1
Conner	178	141	124	2
Adelberger	174	179	154	3
Falek	158	153	161	2
Craig	126	174	144	1
Harris	123	126	126	..
Westcott	90	110	14	..
Baker	179	135	132	1
Habermehl	157	123	160	1
Stevens	108	136	94	1
Watson	145	104	128	..
Polliter	167	173	168	3
Robertson	150	160	144	2

PHIL.

NEWPORT, R. I.

The fifth annual exhibition of the Newport Horticultural Society was held last week and was a pronounced success, although inclement weather interfered with the attendance. The display consisted largely of roses, but there were fine plants, and some good made-up bouquets and baskets of cut flowers; also a good showing of strawberries, etc. The exhibitors were the private gardeners on the estates of the many wealthy people who make their summer homes at Newport. The only trade exhibitors were Lager & Burrell, of Summit, N. J., and the G. A. Weaver Co., and F. L. Ziegler, of Newport. The orchids of the former made a particularly good showing and gained a silver medal.

MARION, ILL.—Mr. Mullet, of the Marion Floral Co., reports business good. He has had a nice stock this spring.

LUDINGTON, MICH.—The Ludington Fancy Fern Co., of which M. T. Martin is manager, is gathering ferns for shipment to wholesale markets.

Seed Trade News.

AMERICAN SEED TRADE ASSOCIATION.

Pres., S. F. Willard, Wethersfield, Conn.; First Vice-Pres., J. Chas. McCullough, Cincinnati, O.; Sec'y and Treas., C. E. Kendel, Columbus, O. The 23d annual meeting will be held at St. Louis, Mo., June, 1904.

THE market on French Romans has fallen another notch during the week, to about 85 francs.

MORRIS S. SMITH, formerly bookkeeper for W. W. Barnard & Co., has taken a position with the Madson Seed Co., Manitowoc, Wis.

Seed sweet corn prospects are poor, but "corn weather" has come to the Mississippi valley this week and the outlook may improve.

RECENT reports from Holland state that the damage done through frost last spring to hyacinths and narcissi shows up more serious than first anticipated.

JOHN C. LEONARD is at Fowler, Colo., this week, where Frank T. Emerson, of the Western Seed and Irrigation Co., Waterloo, Neb., is making a trial of a large acreage of cucumbers on irrigated lands.

RECENT advices from a large pea-growing section of Canada are to the effect that prospects for a fair average crop, both as to quality and quantity, are in evidence, and if favored with normal weather conditions between this time and harvest, a very creditable showing is expected and the ability to fill all contracts on all varieties. Recent general showers have fallen throughout the country. Much, however, depends upon developments the next few weeks and several circumstances may yet change the views on the crop conditions. The percentage of Alaskas and Extra Earlies is now estimated at from 60 to 75 per cent of the normal crop.

WHOLESALE LEAGUE.

The Wholesale Seedsmen's League met at Atlantic City, N. J., June 26, and re-elected F. W. Bruggerhof president; Burnet Landreth, secretary, and the three directors whose terms expired. S. F. Leonard, as vice-president, retired in favor of L. L. May. Wholesale prices range from 25 to 50 per cent above a year ago. The association has about 40 members, embracing nearly every wholesale seed house in the country.

THE NELLIS CASE.

The details of the government seed distribution are being made public through the suit of A. C. Nellis in the Court of Claims. Secretary Wilson says that the \$18,000 was withheld as the result of an inquiry into the work of the contractor at the time and that the government is still in possession of Nellis' bond for \$35,000. Mr. Wilson said that he had directed that the seed contract and its execution be probed to the bottom and that the investigation has not implicated anyone in government employ.

PEAS AND BEANS.

Reports from the pea and bean districts in Wisconsin and New York summarize the situation as follows:

Owing to unusually cold weather pea crops have been slow in coming on.

Some of the tenderer varieties are thin, while from lack of rain the growth has been short, and in some sections the straw will not be more than two-thirds usual length. Recent rains have relieved the drought, particularly in Canada, where there is now no lack of moisture. In northern Wisconsin heavy frosts destroyed portions of many fields of early peas while in blossom, in some sections damaging the crop 20 per cent. Notwithstanding the early drought and subsequent frost, present conditions are favorable, and should such conditions continue, it is possible to produce a fair, but not full crop of peas.

Regarding beans, it is impossible at present to give an intelligent forecast. The drought throughout central New York was long continued and severe. Some fields planted before the recent rains lay in the ground without moisture so long they failed to germinate, so the fields were plowed and other crops put in. Other fields were too hard and dry to work until very recently and are now being planted weeks later than usual.

SEEDSMEN'S CONVENTION.

The twenty-first annual meeting of the American Seed Trade Association was held at Atlantic City, N. J., June 23 to 25. There was a large attendance, but the west was lightly represented, many regular attendants being absent. There were many present for the first time, small dealers remotely connected with the trade. The first day was largely taken up with the reports of standing committees and the passage of the stereotyped resolutions condemning the government seed distribution, but an unusual number of new members were elected, among them the following:

W. W. Rawson & Co., Boston; Texas Seed and Floral Co., Dallas, Tex.; Wood, Stubbs & Co., Louisville, Ky.; P. B. Mingle & Co., Moore & Simon and Chas. H. Rowe, Philadelphia; Lily, Bogardus & Co., Seattle, Wash.; Cox Seed Co., San Francisco; Francis Brill, Hempstead, L. I.; Alexander Seed Co., Augusta, Ga.; W. G. Scarlet and W. A. Simpson & Co., Baltimore; Harvey Seed Co., Montgomery, Ala.; S. D. Crosby & Co., New York; Churchill Seed Co., Toledo; Theilman Seed Co., Erie, Pa.; Sherman & Eberle, Albany, N. Y.; E. F. Spears & Sons, Paris, Ky.

The meeting was devoid of unusual features but the essays were of exceptional merit, those of W. W. Tracy, J. C. Robinson and J. M. Lupton being listened to with particular attention. Other speakers were Geo. B. McVay, Lester L. Morse, H. F. Michell, C. N. Keeny, Frank B. White, C. E. Wilson and H. A. McKee. Little discussion was provoked.

The election of officers, Thursday, resulted as follows: President, S. F. Willard, Wethersfield, Conn.; first vice-president, J. Charles McCullough, Cincinnati; second vice-president, C. N. Page, Des Moines, Iowa; secretary and treasurer, C. E. Kendel, Cleveland; assistant secretary, W. W. Templin, Calla, O.; executive committee, Walter P. Stokes, Philadelphia; Jesse E. Northrup, Minneapolis; H. M. Schisler, St. Louis; Mel. L. Webster, Independence, Ia.; W. H. Duryea, New York. Opinion favored St. Louis for the meeting of 1904.

President-elect S. F. Willard has served the association faithfully and capably for the past six years. He is president of Comstock, Ferre & Co., with

Stumpp & Walter Co
50 Barclay St. N.Y.

Cycas Stems.

2 to 3 lbs. 4 to 5 lbs. 6 to 7 lbs.
Per 100 lbs....\$7.50 Per 1000 lbs....\$65.00

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THE ALBERT DICKINSON CO.

Timothy, Clovers, Flax, Hungarian, Millets, Red Top, Blue Grass, Lawn Grass, Orchard Grass, Pasture Mixtures, Bird Seeds, ENSILAGE CORN, POP CORN, BUCKWHEAT, BEANS, PEAS, ETC. COTTON GRAIN BAGS. CHICAGO ILL.

which firm he has been connected since 1871. Mr. Willard has lived all his life in Wethersfield and is a member of the Connecticut general assembly. C. E. Kendel, who succeeds Mr. Willard as secretary, is a son of A. C. Kendel, of Cleveland, and since his fathers' demise has been at the head of the business conducted under that name.

On Saturday morning W. Atlee Burpee provided a special train to convey the seedsmen direct to Fordhook, near Doylestown, Pa., where there is always much of interest. A repast was awaiting the party, spread beneath the trees on the lawn, and a buffet afforded refreshment in the afternoon. Carriages were at hand to take all who wished for a tour of the estate. At Fordhook are undoubtedly the most extensive seed trials in the United States and it was here that most time was spent. Employees were present with charts to give the key to the varieties, but data as to the origin of the seed are not provided.

GOVERNMENT SEED SHOP.

In a recent issue the Chicago Record-Herald comments editorially on the government's seed operations, as follows:

The quickness with which Government competition will arouse vigorous protest from private interests is illustrated by the complaint of the American Seed Trade Association against the Government's annual free seed distribution.

The secretary of agriculture, by direction of Congress, has distributed through his department to constituents of congressmen about 38,000,000 packages of seeds. In addition to this free distribution of seeds the secretary has established seed-testing stations in which experiments are conducted to determine the germinating value of seeds that are offered for sale in various parts of the country. These tests have forced the withdrawal from the markets of large quantities of old and worthless seeds.

The seed dealers' association protests not only against the free seed distribution but against the seed-testing stations. The latter protest is not just or well founded. It is certainly a legitimate function of the department to protect the people against seeds that will not grow. If a seedsman deals in seeds that will grow, why should he object to the testing stations established by Secretary Wilson? He ought to welcome the facilities provided by the Government for demonstrating the germinating value of his product.

So far as the free seed distribution is concerned Secretary Wilson cannot be held responsible for the continuance of this much condemned species of congressional "graft." It is true that Secretary Wilson has utilized the congressional appropriation to secure a higher quality and more useful varieties of seeds, but it is still a congressional distribution. It is used to tickle the political soil in doubtful districts in the hope of making it more fruitful in votes, and the Government "pays the freight." In the past the germinating value of the seeds distributed was not regarded as of great importance, and if a farmer in Michigan received a package of pineapple seeds he was supposed to be duly impressed with the evidence of esteem on the part of his representative in Congress.

BUY Your BULBS IN ST. LOUIS.

WHITE CALLAS.
2 to 2½-in. diameter, doz., \$1.25; 100, \$9.00
1¾ to 2-in. " " 1.00 " 7.00
1½ to 1¾-in. " " .75 " 5.00

FREESIA REP. ALBA.
¾-in. up 100, \$1.00; 1000, \$7.75
¾-in. up " .75 " 5.40

For immediate order and cash.

All Western Growers should receive our **IMPORT PRICE LIST OF FORCING BULBS**

Plant Seed Co., Saint Louis.

A few hundred small Cycas Stems still on hand 6c per lb.

Mention The Review when you write.

CINERARIA SEED

Large Flowering—Splendid mixed, 50c and \$1.00
Dwarf—Splendid mixed.....50c and 1.00
Primula Chinese Fringed—Separate or mixed50c
Pansy Superb Mixed—Unexcelled strain, ¼-oz., 75c 5.00

W. C. BECKERT, - ALLEGHENY, PA.

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Catalogues Mailed Free.

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Calla Bulbs!

1½ to 2 inches in diam.
Choice grown for Florists' use, \$5.00 per 100. For delivery August 1. Express prepaid.

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Asparagus Plumosus
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5000 left at \$6.50 per 1000. Cash.

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Delaware, Ohio.

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Open from 7:30 a. m. to 6 p. m.
During July and August
close on Saturdays at 1 p. m.

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1612 Ludlow St., PHILADELPHIA.

IF YOU are in the market for fine clean stock in **Brides, Maids and Meteors**; also first-class **Carnations**, place your order with

J. A. BUDLONG
37-39 Randolph St., CHICAGO,
as we always have a good supply of the best stock in the market. All other cut flowers in season. No charge for P. & D. on orders of \$4 and over.

AMERICAN BEAUTY,

30-36 inch stem.....	Per doz. \$3.00
24-inch stem.....	2.00
20-inch stem.....	1.25
15-inch stem.....	1.00
12-inch stem.....	.75
Short stem ...	\$4.00 to \$5.00 per 100

Per 100

Brides and Maids.....	\$3.00 to \$5.00
Meteors and Gates.....	3.00 to 6.00
Kaiserins.....	3.00 to 8.00
Carnations.....	1.00 to 1.50
fancies.....	2.00
Adiantum.....	1.00
Peonies.....	60c to 75c per doz.

CHICAGO.

The Market.

Summer made its belated appearance this week and the seasonable conditions prevail. There are a few small shipping orders, which it is difficult to fill. Beauties are scarce and the rose crop is light, for the growers are busy replanting the houses. Brides are scarce and good ones brought as high as 8 cents on Monday. Maids are of better average quality than Brides and are not so hard to get. Meteor is generally good but there are few Liberty. Taken all in all, the rose market is pretty bare; if it were not prices would be pretty low.

There are still some fair carnations and no glut of the lower grades. There have seldom been such large receipts of sweet peas. Everybody has them by the unsold thousands and the price is more dependent on the quantity the buyer will take than on the quality of the goods; from 2 cents a bunch up. Canterbury bells sell a little, as they make a big showing in the windows. While Harrisii are plentiful candidums do not go, but auratums move fairly well. Water lilies are down to \$1 a hundred. There is a good deal of spiraea about and all the odds and ends of garden flowers.

There will be peonies for some little time yet. The crop this year was much larger than last and not less than 17,000 dozen went into cold storage. There are supposed to be nearly if not quite 5,000 dozen still on hand, all except a few hundred dozen in one lot. Deamud reports Rubra Superba the best seller and has handled quantities of it for the Chicago Carnation Co. A. Kennicott & Son report their crop at about 7,000 dozen. They stored large quantities of the old Rose Scented and of the L. L. L. pink, or Grandiflorum Roseum, but the bulk of their lot marketed this week was 500 dozen Von Bomback and 1,500 dozen Whitley, the former a purely local name given to a variety grown by old Peter Von Bomback. Mr. Kennicott says the Drop White (Festiva) were short crop and poor; they would not keep. Three-fourths of the terminal buds were damaged by late frosts and the side buds had to be used. The Old Red (officinalis) was also damaged by frost. Mr. Kennicott says the average returns on the crop are one-third less

than last year. Klehm's Nursery did not have the usual cut but had some good stock. E. E. Pieser says it is all gone but a couple of hundred dozen.

Various Notes.

H. MacMichael, who has lately been rose grower for Weiland & Risch, has bought the N. P. Miller place at Wilmette and took possession July 1.

John Zeck, manager at Budlong's, is taking his vacation a day at a time and spent Tuesday picnicking. He says stock is good for the season and shipping trade holding up fairly well.

The better class of retail stores are not using common ferns the way they once did. Of course they keep them on hand for calls, and use them for concealing the moss in designs, but for boxes of loose flowers and for vases they use Sprenger and adiantum. Wienhoeber's say they use only a few hundred ferns a day, even in the busy season, where they were once very large buyers.

July 1 sees the beginning of a new business year in most of the wholesale houses, and the supply dealers have been busy taking inventory.

The mother of S. B. Winter, formerly of the old commission firm of Winter & Glover, died last Sunday and was buried yesterday. Mr. Winter has been in poor health for years, but is feeling pretty well this summer.

Bohannon & Canger have a very attractive show window at 27 State street.

Early closing will be in order during July and August. Get your orders in; the boys want to get away at 5 o'clock.

Fred. Klingel, of Peter Reinberg's, is ill, threatened with typhoid, and Leonard Kill is wrestling with the books.

John Sterrett, of Winterson's, is on deck again after an illness, but is still far from well; it is tonsillitis.

C. E. Finley, of Joliet, who made the lawn rake, has a pot washing machine which he expects to exhibit at Milwaukee and would like to hear from any parties who might wish him to take charge of their exhibits at the convention.

Fred Nelson, of Wittbold's, is spending his vacation at his old home at Galesburg.

Visitors: J. C. Rennison, Sioux City, Iowa; Geo. Souster, Elgin, Ill.; H. E. Philpott, Winnipeg, Man.; C. C. Pollworth, Milwaukee.

Bowling.

The bowlers have struck their gait, as will be seen by the following scores:

Player.	1st.	2d.	3d.	4th.	Total.
Balluff	122	191	221	191	725
G. Stollery ...	174	191	246	184	795
Winterson	167	107	148	172	594
Asmus	182	133	177	188	680
Sterrett	168	139	168	141	616
Scott	143	157	151	162	613
Hauswirth	140	151	125	134	550
F. Stollery	178	187	197	165	727
Pruner	157	169	126	142	594

PROVIDENCE, R. I.

Never before in June were flowers so scarce as the past week, the demand being great on account of schools closing. The entire month we were without sunshine, and raining the greater part of the time, but it has cleared at last and now in our dull season we look for some good weather. The prices soared like quotations on cotton the past week. Carnations jumped from 35 cents to \$1 and \$1.50 per dozen; roses from \$1 to \$3 a dozen, and everything else in proportion. This school business is growing; every graduate must have more or less flowers and it makes a great last hit for the poor florists before the long dull season. It is better than Decoration day, and generally there is plenty of stock to go around.

There has been the usual number of June weddings calling for more or less stock, but none of any great importance.

The larger growers are putting their places in shape for the coming season, painting, remodeling and coaling up for next season in case there should be a strike again.

F. Macrae & Sons Co. has everything coming along fine for next season, chrysanthemums and roses housed and carnations looking fine outside, which they expect to house early.

John Macrae is busy painting his entire plant; he reports the past season one of the best yet.

Rennie & Pino, seedsmen, have had a very good spring business. Mr. Pino is blowing himself to an auto.

Joseph McConnell, connected with the Hogg greenhouses for a long period, was married last week.

Ed Brooke, with T. J. Johnston, goes to Cottage City July 6 for the summer.

T. J. Johnston and family have taken a cottage at the seashore.

Matthew McNair sails for Europe soon.

LEO NIESSEN, PHILADELPHIA.

....LILIES....

CLOSE AT 6:00 P. M.

The Last Call - TUBEROSES - UNPRECEDENTED VALUE.

DWARF DOUBLE PEARL.

MAMMOTH BULBS, 4 to 6 inches, 40c per 100; \$3.00 per 1000
Second Size, 3 to 4 inches 25c " 1.50 "

CINERARIA, CALCEOLARIA AND CHINESE PRIMROSE.

UNRIVALED STRAINS FROM ENGLISH SPECIALISTS.

CINERARIA, English Prize Giant Flowering Mixed, per pkt. 500 seeds, 25c; 1/4 tr. pkt., 60c; tr. pkt., \$1.00
CALCEOLARIA, 25c; 1/4 tr. pkt., 60c; tr. pkt., 1.00
PRIMULA (Chinese Primrose) English Prize Fringed Mixed, per 100 seeds, 25c; 500, \$1.00; 1000, 1.50

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Florists are invited to send for our prices on

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and all other BULBS. Also

....CYCAS REVOLUTA STEMS....

J. M. THORBURN & CO.

36 Cortlandt St., NEW YORK.

For Sale.

Three large cycas revoluta specimen plants. 30 perfect leaves 42 inches long. Also 1 very large one, 40 leaves, 50 inches long. Write

SCHLURAFF FLORAL CO., Erie, Pa.

Meteor Rose Plants!

3 1/2-inch, \$4.50 per 100; \$37.50 per 1000.

Cash with order unless parties are known. These plants are guaranteed extra choice.

BRANT & NOE, Forest Glen, Chicago, Ill.

Will exchange Meteors for Maids and Brides.
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Wholesale Cut Flower Prices.

Philadelphia, July 1.

	Per doz.
Beauties, Specials.....	\$ 2.00 to \$ 3.00
Extra.....	1.50
" No. 1.....	1.00 to 1.25
" Shorts.....	.50 to .75
Queen of Edgely, Specials.....	2.00 to 2.50
" Firsts.....	1.00 to 1.50
" Seconds.....	.50 to .75
Brides and Maids, Specials.....	\$4.00 to \$8.00
No. 2.....	2.00 to 3.00
Carnot, Firsts.....	6.00 to 10.00
Seconds.....	3.00 to 4.00
Golden Gates, Firsts.....	4.00 to 8.00
Seconds.....	2.00 to 3.00
Kaiserin, Firsts.....	6.00 to 10.00
Seconds.....	2.00 to 4.00
Liberty, Firsts.....	6.00 to 15.00
Seconds.....	2.00 to 4.00
Meteors, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Perles, Firsts.....	3.00 to 5.00
Seconds.....	2.00 to 3.00
Sunrise, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Ivory, Firsts.....	4.00 to 8.00
Seconds.....	2.00 to 3.00
Cattleyas.....	40.00 to 50.00
Carnations, Commons.....	.75 to 1.00
Fancies.....	1.50 to 2.00
Sweet Peas.....	.50 to .75
Adiantum Cuneatum.....	.75 to 1.00
Asparagus plumosus, Strings.....	35.00 to 50.00
Sprays.....	1.50 to 2.00
Callas.....	8.00 to 10.00
Lilium Candidum.....	10.00
Harrisii.....	12.50
Daisies.....	.50 to .75
Gladioli.....	6.00 to 8.00
Lily of the Valley.....	2.00 to 5.00
Smilax.....	12.50 to 20.00

IN ONE MAIL.

ALWAYS glad to renew; your paper is one of our necessities.—J. SYLVESTER, Oconto, Wis.

CHECK enclosed; we could not do without the REVIEW.—H. F. HOUSE & Co., Hiram, Ohio.

It is like being out of the world to be without the REVIEW after one has been reading it for any length of time.—H. V. BETTS, Ormond, Fla.

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We can fill your order at a moments notice. Orders by mail, telegraph and telephone will receive our prompt and personal attention.

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HARDY and ROSES from 4 or 5-inch pots at 9 cts., fine clean plants on own roots. Clothilde Soupert, Coquette des Blanchies, Coquette des Alps, La Reine, Gen. Jacqueminot, La France, Crimson and Yellow Rambler, etc. Large flowered Clematis, finest purple, white, lavender and pink sorts, 2-year, from 5-in. pots, 18c; 1-year from 3-in., 9c; Clematis Paniculata, from 5-in. pots, 10c. Extra, from 6-in., 25c. Ampelopsis Veitchii, from 3-in. pots, 5c; from 4-in., 10c; from 5-in. pots, 15c. Packing free for Cash.

W. H. SALTER, ROCHESTER, N. Y.

ALBERT M. HERR

LANCASTER, PA.

Carnations, Geraniums, Smilax, Asparagus.

Correspondence Solicited.

FUCHSIAS, 6 best var. 2, 4 and 5-in. pots, \$1.50 and \$6 per 100.
Coleus—Rooted cuttings, 40c per 100; 2-in. pots, \$1.25 per 100.

Geraniums—Mixed, in 25 or more var., 3 1/2-in., \$3.00 per 100.

Begonias—In 10 var., 3 1/2-in. pots, \$3.00 per 100.
Rex Begonias—2 1/2-in. pots, \$3.50; 3 1/2 and 4-in. pots \$5.00 per 100. Cash please, or will exchange for strawberry plants.

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ORCHIDS A SPECIALTY.
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Consignments receive conscientious and prompt
attention. Highest market price guaranteed.
The finest stock in the market always on hand.

DOUBLE FRINGED PETUNIAS
A No. 1 assortment of money-makers, strong
2-inch. \$2.00 per 100.
Geraniums—Mixed, 2-inch. \$2.00 per 100.
Verbenas—2-inch. \$1.50 per 100.
Also Chrysanthemums, Pelargoniums,
Star Petunias, Selaginellas, Salvias, etc.
E. I. RAWLINGS, Quakertown, Pa.

**YOU WILL FIND ALL THE BEST
OFFERS All the time in the
Review's Classified Advs.**

Wholesale Cut Flower Prices.

New York, July 1.

	Per 100
Beauties, Specials	\$15.00 to \$20.00
" Fancies	10.00 to 15.00
" Extra	8.00 to 10.00
" No. 1	5.00 to 8.00
" No. 2	2.00 to 8.00
Queen of Edgley, Specials	15.00 to 20.00
" Fancies	10.00 to 15.00
" Seconds	3.00 to 8.00
Brides and Maids, Specials	6.00 to 10.00
" Extra	4.00 to 6.00
" No. 1	3.00 to 4.00
" No. 2	1.00 to 2.00
Liberty	5.00 to 10.00
Meteor	2.00 to 4.00
Cattleyas	25.00 to 50.00
Cypripediums	12.00
Dendrobium formosum	15.00 to 25.00
Laelias	10.00 to 40.00
Carnations, Common .....	.50 to 1.00
" Selects	1.00 to 2.00
" Fancies	2.00 to 3.00
Adiantum cuneatum .....	.50 to .75
Croweanum	1.00 to 1.50
Asparagus plumosus, Strings	25.00 to 50.00
Sprenger Sprays	1.00 to 2.00
Harrisii lilies	4.00 to 6.00
Callas	4.00 to 6.00
Valley	1.00 to 2.00
Smilax	8.00 to 12.00
Ferns, Common, per 1000, 75c.	
" Fancy, per 1000, \$1.50.	

The high prices of last week began to fall on Saturday and notwithstanding the storm of Monday prices continued their retrograde movement, as was generally expected. Now that June is past and schools are closed and society has departed to the seashore and the mountains, what is there to expect but the inevitable depression which every summer has brought?

TWO RIVERS, WIS.—Louis Hartung is building four greenhouses, one 23x50 and three 12x100, for carnations, roses and pot plants, and one for forcing lettuce.

TORONTO, ONT.—George Mills has been appointed superintendent of the trade exhibit in connection with the C. H. A. convention in September. The exhibit will be staged in connection with the Toronto Industrial Exhibition.

Pacific Florist ISSUED MONTHLY by the
Pacific Florist Publishing Co.,
229 Stevenson St., San Francisco, Cal.
is the BEST ADVERTISING MEDIUM ON THE PACIFIC COAST.
Subscription \$1.00 per year.

JOHN YOUNG

Special American Beauties,
Surpassing Carnations,
Lily of the Valley, Orchids
and all seasonable flowers.
51 W. 28th St., NEW YORK.
Tel. 1905 Madison Sq.
Mention The Review when you write.

Young & Nugent

42 West 28th Street
New York
Send for Quotations
Mention The Review when you write

H. C. RIEDEL. F. D. SPICER.
Riedel & Spicer
Wholesale Florists,
Strictly Wholesale, 34 W. 29th Street,
Tel. 3039 Madison Sq. New York City.
Mention The Review when you write.

The New York Cut Flower Co.
55 and 57 West 28th Street,
WHOLESALE FLORISTS.
Daily Reports. Weekly Payments.
Tel. 2239 Madison Sq. J. A. MILLANG,
2034 Madison Sq. Manager.

Mention The Review when you write.
FOLEY'S FLORAL FOTOGRAPHS
Send for my Floral Album, size
12x11, containing 24 different funeral
designs Sent to any part of the
country by express, \$7.00 c. o. d.
226-226½ Bowery, NEW YORK.
Mention the Review when you write.

Always mention the Florists' Review when
writing advertisers.

The Philadelphia Wholesale Flower Market. Headquarters for BEAUTIES.

OPEN FROM 7:00 A. M. TO 6:00 P. M.

1228 CHERRY STREET, PHILADELPHIA.

ALEX. J. GUTTMAN, Wholesale Florist.

All seasonable Flowers and Novelties at proper prices can be had at
52 West 29th Street, New York.
Telephone 1738 Madison.
Mention The Review when you write

ESTABLISHED 1872.

John J. Perkins

WHOLESALE and COMMISSION FLORIST,
115 West 30th St., NEW YORK.
Telephone No. 956 Madison Sq.
WANTED a few more reliable growers of Carnations and Violets. Only first-class stock handled.
BRANCH STORE, 48 West 30th St., New York. R. W. PERKINS, Manager.
Consignments Solicited Quick returns to Shippers. Highest Market Prices Guaranteed.
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WM. SAMPSON, Coogan Building, WHOLESALE 26th St. and 6th Ave. FLORIST.

With the New York Cut Flower Co.
Tel. No. 2239 Madison. Consignments Solicited.
Specialties, CARNATIONS and MIGNONETTE.

....THE....

COTTAGE GARDENS

Wholesale Florists,
QUEENS, - L. I., N. Y.

ASPARAGUS Plumosus Nanus

2-inch pots,
\$3.00 per 100; \$25.00 per 1000

Asparagus Sprengeri

2-inch pots,
\$3.00 per 100; \$25.00 per 1000

ISAAC H. MOSS, GOVANSTOWN,
BALTIMORE, MD.

WHEN YOU WANT Engravings made

send us Photos or clippings from other catalogues and let us reproduce them. We make the cuts for the Florists' Review.

DEARBORN ENGRAVING CO.,
300-306 Dearborn St., CHICAGO.
Mention The Review when you write.

Wholesale Cut Flower Prices.

Pittsburg, June 24.

	Per 100	Per 1000
Beauties, Specials	\$30.00 to	\$35.00
Extra	20.00 to	25.00
No. 1	10.00 to	15.00
Shorts	5.00 to	8.00
Brides and Maids, Specials	8.00	
Extra	5.00 to	6.00
No. 1	2.00 to	4.00
No. 2	1.00	1.00
Carnot	4.00 to	8.00
Cusin	2.00 to	4.00
Golden Gate	4.00 to	8.00
Kaiserin	4.00 to	8.00
Liberty	4.00 to	12.00
Meteor	4.00 to	6.00
Sunrise	2.00 to	4.00
Carnations, Common .....	.75 to	1.00
Selects	1.00 to	2.00
Fancies	2.00 to	3.00
Prosperity	3.00	
Adiantum Cuneatum .....	.75 to	1.50
Asparagus plumosus, Strings	30.00 to	50.00
Sprengeri, Sprays	2.00 to	3.00
Callas	4.00 to	6.00
Daisies .....	.25 to	1.00
Gladioli	6.00 to	8.00
Lilium Longiflorum	10.00 to	12.00
Lily of the Valley	3.00 to	5.00
Pansies .....	.25 to	.50
Smilax	10.00 to	15.00
Sweet Peas .....	.20 to	.50
Common Ferns, \$2.00 per 1000		

Baltimore, July 1.

	Per 100	Per 1000
Beauties No. 1	\$10.00 to	\$15.00
Shorts	3.00 to	6.00
Brides and Maids, No. 1	3.00 to	4.00
No. 2	2.00 to	4.00
Golden Gate	2.00 to	4.00
Kaiserin	3.00 to	5.00
Liberty, Shorts	2.00 to	3.00
Meteor, Shorts	2.00 to	3.00
Perle	2.00 to	4.00
Carnations, Commons .....	.75 to	1.00
Selects	1.00 to	1.25
Adiantum Cuneatum	1.00	
Asparagus plumosus, Sprays	2.00	
Sprengeri, Sprays	2.00	
Sweet Peas .....	.20 to	.30

We have found our advs. in the Classified department of the FLORIST'S REVIEW the best investment we can make. We are completely sold out of stock.—RAY H. PALMER, Randolph, N. Y.

NEW CROP FANCY AND DAGGER FERNS!

75c per 1000. Discount on large orders. Contracts made to supply the year round. Use our Laurel Festooning for your decorations. It's the best decorating material to be found for weddings, etc.; price 4c, 5c and 6c per yd. Galax Leaves, Green or Bronze, 75c per 1000. Mosses, etc. Everything in the hardy supplies and gathered fresh daily. Send us your wants and be well satisfied.



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Tel. Office, New Salem.
Mention Review when you write.

FRANK H. TRAENDLY. CHARLES SCHENCK.
TRAENDLY & SCHENCK,
Wholesale Florists
AND CUT FLOWER EXCHANGE
38 W. 28th St., NEW YORK
Telephones 798 and 799 Madison Square. CONSIGNMENTS SOLICITED.

Mention The Review when you write

Hicks & Crawbuck

Wholesale Florists,
108 Livingston Street, BROOKLYN, N. Y.
Tel. 3660-3661 Main.
Mention The Review when you write.

GALAX.

Brilliant Bronze, at 75c per 1000 in 2000 lots or more.
FERNS—Fancy, \$1.25 per 1000; Dagger, \$1.00 per 1000. Green sheet Moss—\$2.50 per bbl. sack. Sphagnum Moss—\$1.75 per large bale.
All kinds FLORISTS' SUPPLIES.

L. J. KRESHOVER, 110-112 W 27th St., New York.
TEL. 597 MADISON SQUARE.
Mention Review when you write.

N. LECAKES & CO.

53 West 28th St., NEW YORK.
(BASEMENT.)
Telephone 1239 Madison Sq.
Ferns, Galax Leaves and Leucothoe Sprays
OUR SPECIALTIES.

CHAS. D. BALL,

GROWER
OF

Palms, Etc.

Send for
Price List.

HOLMESBURG, PHILADELPHIA, PA.

Mention Review when you write.

HARDY CUT FERNS.

Write for Prices.



FANCY

DAGGER

L. B. BRAGUE,

Oldest, largest and most reliable dealer in the U. S. HINSDALE, MASS.
Mention The Review when you write.

National Florists' Board of Trade.

NEW MANAGEMENT.
PROMPT COLLECTIONS
AND PROMPT RETURNS.

Full information concerning all claims entrusted to us. Plenty of time to attend carefully to your interests. Satisfaction guaranteed. No delays. No neglect. No waiting. NEW OFFICES, 58 PINE STREET, NEW YORK CITY. Telephone 4673 John Street. Rooms 601, 602, 603.
HARRIS H. HAYDEN, Pres. WM. A. MOORE, Vice-Pres. JNO. E. WALKER, Sec. and Treas.

Wholesale Cut Flower Prices.

Chicago, July 1.

	Per doz.	
Beauties, 36 to 40-inch stems.....	\$3.00	
" 30-inch stems.....	2.50	
" 24 ".....	2.00	
" 20 ".....	1.50	
" 15 ".....	1.25	
" 12 ".....	1.00	
" Shorts.....	.75	
	Per 100.	
Bridesmaids, Specials.....	\$5.00 to \$6.00	
" Firsts.....	4.00 to 5.00	
" Seconds.....	2.00 to 3.00	
Brides, Specials.....	5.00 to 6.00	
" Firsts.....	4.00 to 5.00	
" Seconds.....	2.00 to 3.00	
Kaiserin.....	4.00 to 8.00	
LaFrance.....	4.00 to 8.00	
Perles, Firsts.....	4.00 to 5.00	
" Seconds.....	2.00 to 3.00	
Liberty, Specials.....	8.00 to 10.00	
" Firsts.....	6.00 to 8.00	
" Seconds.....	4.00 to 5.00	
Golden Gate, Firsts.....	5.00 to 6.00	
" Seconds.....	2.00 to 4.00	
Meteor, Firsts.....	5.00 to 6.00	
" Seconds.....	2.00 to 4.00	
Mme. Chatenay, Firsts.....	6.00 to 8.00	
" Seconds.....	3.00 to 5.00	
Ivory, Firsts.....	5.00 to 6.00	
" Seconds.....	3.00 to 4.00	
Carnations, Fancy.....	2.00	
" Commons.....	1.00 to 1.50	
Gladstoll.....	2.00 to 5.00	
Callas.....	\$1.25 a doz.	
Water Lilies.....	1.00	
Sweet Peas.....	.20 to .40	
Candidum Lilies.....	\$1 doz. stalks	
Canterbury Bells.....	.25c to 35c bunch	
Auratum Lilies.....	\$1.25 to \$1.50 doz	
Valley.....	2.00 to 5.00	
Harristii Lilies.....	8.00 to 10.00	
Peonies.....	50c to 75c per doz.	
Marguerite.....	.40 to .50	
Adiantum cuneatum.....	.75	
Asparagus plumosus, Strings.....	35.00 to 50.00	
" Sprays.....	2.00 to 3.00	
Asparagus Sprengeri, Sprays.....	2.00 to 6.00	
Smilax.....	\$1.25 to \$1.50 per doz.	
Common ferns, per 1000, \$1.25		
Galax Leaves, \$1.25 per 1000		

Milwaukee, July 1.

	Per 100	
Beauties, Specials.....	\$25.00	
" Extras.....	\$15.00 to 18.00	
" No. 1.....	10.00 to 12.50	
" Shorts.....	4.00 to 8.00	
Brides and Maids, Specials.....	6.00	
" Extra.....	4.00	
" No. 1.....	3.00	
" No. 2.....	2.00	
Golden Gates.....	4.00 to 6.00	
Kaiserin.....	4.00 to 8.00	
Meteor.....	4.00 to 6.00	
Perle.....	4.00 to 6.00	
Carnations, Selects.....	1.50	
" Fancy.....	2.60 to 3.00	
Asparagus plumosus, Strings.....	50.00	
" Sprays.....	2.00 to 4.00	
" Sprengeri.....	2.00 to 4.00	
Daisies.....	.50	
Lily of the Valley.....	4.00	
Peonies.....	6.00	
Smilax.....	20.00	
Sweet Peas.....	.50	
Galax.....	.25	
Common Ferns.....	.25	

GRAND RAPIDS, MICH.—Bert Stiles has bought glass and sash for two houses 16 x200 feet and will grow carnations for the wholesale market.

CLINTON, N. Y.—R. Kilbourne has caused the arrest of parties in whose possession he found plants missing from his greenhouses on Elm street.

PRINCETON, ILL.—Albert Erickson has a little patch of strawberries across from his greenhouses, the crop of which he sold for \$500 cash, the purchaser doing the picking.

WABASH, IND.—E. F. Overman has sold his two establishments for \$6,000, to Frank P. Goebel and Hubert Haftenkamp, formerly of Grand Rapids, Mich. They will do business as the Wabash Floral Co., and intend to enlarge the glass area considerably.

E. H. HUNT

THE "OLD RELIABLE" FOR

Wholesale
Cut Flowers

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

Mention the Review when you write.

Bassett & Washburn

76 Wabash Ave., CHICAGO, ILL.

WHOLESALE GROWERS OF
AND DEALERS IN CUT FLOWERS

Greenhouses at Hinsdale, Ill.

Mention The Review when you write.

A. L. RANDALL,
Wholesale Florist

Don't forget we are at
19 and 21 RANDOLPH ST., CHICAGO.

Write for special quotations on large orders.

Mention The Review when you write.

J. A. BUDLONG

37-39 Randolph Street CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER OF

CUT FLOWERS

WIETOR BROS.

Wholesale
Growers of.. Cut Flowers

All telegraph and telephone orders
given prompt attention.

51 Wabash Avenue, CHICAGO.

WEILAND-AND-RISCH

CHICAGO'S RELIABLE WHOLESALE
GROWERS AND SHIPPERS OF...

CUT FLOWERS,

59 Wabash Avenue, CHICAGO.

SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS

Poehlmann Bros. Co.

Wholesale
Growers of
and Dealers in Cut Flowers.

All telegraph and telephone orders given prompt
attention. greenhouses: Morton Grove, Ill.

35-37 Randolph Street, CHICAGO, ILL.

Mention The Review when you write.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers

800,000 SQUARE FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave. CHICAGO, ILL.

JOHN MUNO,

WHOLESALE
GROWER OF Cut Flowers,

51 Wabash Avenue, - - CHICAGO.

GREENHOUSES, ROGERS PARK, ILL.
Telephone Central 3598.

SINNER BROS.

Wholesale Growers
and Shippers of CUT FLOWERS

58-60 WABASH AVE., CHICAGO, ILL.

With the Flower Telephone—
Growers' Co. Central 3067.

All telephone and telegraph orders
given prompt attention.

Mention the Review when you write.

FRANK GARLAND,

Wholesale
Grower of Cut Flowers,

Special attention
given to Hardy Cut FERNs.

55-57 Wabash Avenue, CHICAGO, ILL.

Telephone Central 3284.

Mention the Review when you write.

GEORGE REINBERG,

51 Wabash Ave., Chicago,

WHOLESALE DEALER IN AND
.....GROWER OF CUT FLOWERS

Two Daily Shipments from my greenhouses.
Fresh Stock always ready for orders.

Write, Wire or Phone. Quick Service Given.

Lily of the Valley.

From cold storage. Finest in the
market. \$14.00 per 1000; \$1.50 per 100.

CUT VALLEY—The best always on hand.

H. N. BRUNS,

1409 W. Madison St., CHICAGO.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.50; 50,000... \$6.25. Sample free.

For sale by dealers.

Mention the Review when you write.

BENTHEY & CO.

35 Randolph Street, CHICAGO.

F. F. BENTHEY, Manager. Wholesale and
Consignments Solicited. Commission

FLORISTS

Mention The Review when you write.

M

ICHIGAN CUT FLOWER EXCHANGE.

WHOLESALE FLORISTS AND CUT FLOWER COMMISSION.

Full line of FLORISTS' SUPPLIES and SUNDRIES.

WM. DILGER,

Manager.

COMMON FERNS, \$1.50 per 1000.
GALAX, Bronze or Green, 1.00

51 Miami Ave., Detroit, Mich.

Wholesale Cut Flower Prices.

St. Louis, July 1.

	Per doz.	
Beauties, Specials.....	\$2.50 to \$3.00	
Extra	1.50 to 2.00	
Shorts.....	.50 to .75	
Brides and Maids, Specials.....	\$5.00 to \$6.00	
Extra	3.00 to 4.00	
No. 2.....	1.00 to 2.00	
Carnot.....	4.00 to 5.00	
Golden Gates	4.00 to 5.00	
Kaiserin.....	5.00 to 6.00	
Liberty	3.00 to 5.00	
Meteor.....	3.00 to 5.00	
Perle.....	3.00 to 4.00	
Sunrise.....	3.00 to 4.00	
Carnations, Commons	1.00 to 1.50	
Fancies.....	2.00 to 2.50	
Adiantum Cuneatum.....	1.00 to 1.25	
Adiantum Farleyense.....	1.00 to 1.25	
Asparagus plumosus, Strings	35.00 to 50.00	
Sprengerl. Sprays.....	1.00 to 1.50	
Sprengerl.....	1.00 to 1.50	
Asters.....	1.50 to 3.00	
Daisies.....	.20 to .35	
Gладиол.....	2.50 to 4.00	
Hollyhocks.....	.50 to .75	
Lily of the Valley.....	3.00 to 4.00	
Mignonette, Ordinary.....	1.50 to 2.00	
Fancy.....	3.00 to 4.00	
Pansies.....	.25 to .50	
Smilax	15.00 to 18.00	
Stocks.....	1.50 to 2.00	
Sweet Peas.....	.20 to .25	
Tuberose.....	3.00 to 4.00	
Galax.....	.15	
Common Ferns.....	.20	

Cincinnati, July 1.

	Per 100	
Beauties, Specials.....	\$25.00	
Extra	\$15.00 to 20.00	
No. 1.....	10.00 to 12.50	
Shorts.....	4.00 to 8.00	
Brides and Maids, extra.....	6.00	
No. 1.....	4.00 to 5.00	
No. 2.....	2.00 to 3.00	
Golden Gates.....	2.00 to 3.00	
Kaiserin.....	2.00 to 6.00	
Liberty.....	2.00 to 6.00	
Meteor.....	2.00 to 6.00	
Perle.....	2.00 to 4.00	
Carnations, Commons.....	1.00	
Selects.....	1.50 to 2.00	
Fancies.....	2.00 to 3.00	
Adiantum Cuneatum.....	.50 to 1.00	
Asparagus plumosus, Strings	50.00	
Sprengerl. Sprays.....	2.00 to 3.00	
Callas.....	5.00 to 8.00	
Daisies.....	.25 to .50	
Lilium Longiflorum.....	10.00 to 12.50	
Lily of the Valley.....	3.00 to 4.00	
Smilax.....	10.00 to 12.50	
Stocks.....	2.00 to 4.00	
Sweet Peas.....	.25 to .35	
Galax.....	.15	
Leucothoe.....	.50	
Common Ferns.....	.15	

A FEW pennies invested in the REVIEW's classified ads. bring dollars in dividends.—BURNELL & TOTMAN, Randolph, Vt.

AM well pleased with the REVIEW and enclose another dollar. I wish the southerners were better advertisers; expressage is a heavy item when plants come from the north.—MARY RYAN, Florist, Tuscaloosa, Ala.

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.
Manufacturers of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.
1122 PINE STREET, ST. LOUIS, MO.
Mention The Review when you write.



H.G. Berning

WHOLESALE FLORIST.

1322 Pine Street, ST. LOUIS, MO.

HOLTON & HUNKEL CO. WHOLESALE FLORISTS.

MILWAUKEE, - WIS.
Mention The Review when you write.

Wm. Murphy,

Grower and Commission Dealer in.....
Cut Flowers and Florists' Supplies,
Telephone Main 980.
130 E. 3d Street, CINCINNATI, OHIO.
Mention The Review when you write.

Lily of the Valley

of good quality always on hand.
AUGUST JURGENS,
134 to 144 Herndon St. CHICAGO.
Mention The Review when you write.

J. M. McCULLOUGH'S SONS

Wholesale

FLORISTS

ALSO SUCCESSORS TO

THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

316 Walnut St., CINCINNATI, OHIO.

Wholesale Cut Flower Prices.

Boston, July 1.

	Per 100.	
Beauties, Specials.....	\$25.00	
Extra.....	\$15.00 to 20.00	
No. 1.....	10.00 to 12.00	
Shorts.....	4.00 to 8.00	
Brides and Bridesmaids, Specials.....	12.00	
Extra.....	8.00 to 10.00	
No. 1.....	6.00	
No. 2.....	3.00 to 4.00	
Carnot.....	4.00 to 12.00	
Golden Gate	4.00 to 8.00	
Jacqueminot.....	4.00 to 8.00	
Kaiserin.....	4.00 to 16.00	
Liberty	4.00 to 16.00	
Mrs. Morgan.....	4.00 to 8.00	
Perle.....	4.00 to 8.00	
Ulrich Brunner.....	4.00 to 25.00	
Carnations, Common.....	2.00	
Selects.....	3.00	
Fancies.....	4.00 to 6.00	
Adiantum Cuneatum.....	.50 to 1.00	
Asparagus plumosus, Strings	50.00	
Sprengerl. Sprays.....	1.00 to 2.00	
Sprengerl.....	1.00 to 4.00	
Callas, Scarce.....	8.00	
Lilium Longiflorum, Scarce.....	8.00	
Lily of the Valley.....	3.00 to 5.00	
Mignonette, Ordinary.....	1.00	
Smilax.....	16.00 to 20.00	
Stocks.....	1.00 to 3.00	
Sweet Peas.....	.35 to .75	
Galax.....	.15	
Common Ferns.....	.15	

Buffalo, July 1.

	Per 100	
Beauties, Specials.....	\$20.00 to \$25.00	
Extra.....	12.50 to 15.00	
No. 1.....	8.00 to 10.00	
Shorts.....	2.00 to 4.00	
Brides and Maids, Extra.....	6.00 to 8.00	
No. 1.....	4.00 to 5.00	
No. 2.....	2.00 to 3.00	
Carnot.....	2.00 to 8.00	
Cusin.....	2.00 to 6.00	
Golden Gate.....	2.00 to 6.00	
Kaiserin.....	2.00 to 8.00	
Liberty.....	2.00 to 8.00	
Meteor.....	2.00 to 6.00	
Mrs. Morgan.....	2.00 to 6.00	
Perle.....	3.00 to 6.00	
Sunrise.....	2.00 to 4.00	
Carnations, Common.....	.75 to 1.00	
Selects.....	1.25 to 2.00	
Fancies.....	2.50 to 3.00	
Novelties.....	4.00 to 6.00	
Adiantum Cuneatum.....	.50 to 1.00	
Farleyense.....	8.00 to 10.00	
Asparagus plumosus, Strings.....	50.00	
Sprengerl. Sprays.....	1.00 to 2.00	
Sprengerl.....	1.00 to 5.00	
Gладиол.....	4.00 to 5.00	
Lilium Harrisii.....	15.00	
Longiflorum.....	15.00	
Lily of the Valley.....	3.00 to 5.00	
Smilax.....	12.50 to 15.00	
Sweet Peas.....	.25 to .60	
Water Lilies.....	.50 to 4.00	
Galax.....	.10 to .15	
Leucothoe.....	.50 to .75	
Common Ferns.....	.10 to .15	
Iris.....	1.00 to 1.50	

We are well pleased with the REVIEW as an advertising medium.—W. T. STEPHENS & Co., Brookfield, Mo.

PLEASE discontinue our adv.; it has brought more orders for rose plants than we can fill.—G. VAN BOCHOVE & BRO., Kalamazoo, Mich.

FRANK M. ELLIS,

Wholesale Florist,

1316 Pine Street,

St. Louis, Mo.

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Cash. A packet of the new ever-blooming forget-me-not "Constance" added to every order.

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The Home of Primroses.

CARNATION PREMIUMS.

The preliminary premium list has been issued for the exhibition of the American Carnation Society, to be held at Detroit, March 2, 1904. In most details the list follows previous arrangements. The premiums for vases of 100 blooms in the several colors are \$10 and \$6; for 50 blooms, \$5 and \$3; for 25 blooms, \$3 and \$1.50.

John Breitmeyer's Sons offer \$50 for best collection, not less than ten varieties or more than fifteen. The second prize is \$30. W. J. & M. S. Vesey offer \$25 for collection of not less than six or more than ten varieties, open only to growers having not more than 25,000 feet of glass. Second prize \$10. For collections of not less than five or more than ten varieties \$25 is offered by J. F. Sullivan and \$15 by Geo. A. Rackham, competition open only to growers having not more than 15,000 feet of glass.

A silver cup is offered for the best vase of 200 blooms and \$10 and \$5 for collections of single blooms. Lord & Burnham offer \$50 in two prizes for collections of commercial varieties introduced prior to 1903. Peter Fisher and J. D. Thompson offer a silver cup for the best vase of Enchantress, to be won twice before becoming permanent property. The Chicago Carnation Co. offers \$15 for the best 100 blooms of Harlowarden and \$10 for best 50 blooms. In none of the latter classes are the donors of the premiums to compete.

NURSERY NEWS.

AMERICAN ASSOCIATION OF NURSERYMEN.

Pres., N. W. Hale, Knoxville Tenn.; Vice-Pres., F. A. Weber, St. Louis; Sec'y, Geo. C. Seager, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-eighth annual convention will be held at Atlanta, Ga., June, 1904.

WEST CHESTER, PA.—Hoopes Bro. & Thomas have had a nice sale on their set of new hardy climbing roses. The stock is now mostly planted in the open ground and they expect fine plants by fall.

The New England Association of Park Superintendents held its fifth annual meeting at Albany, N. Y., June 23. Officers were elected as follows: President, G. A. Parker, Hartford, Conn.; secretary, John W. Duncan, Boston; treasurer, John H. Hemingway, Worcester, Mass., and a vice-president from each state.

PORTLAND, ORE.—E. G. Hill, of Richmond, Ind., accompanied by Mrs. Hill, has been here and was much interested in the outdoor rose show, which was at its best at the time. Oregon-grown rose plants would sell in the eastern markets and another year or two it is possible that Clarke Bros., or some other firm, may be advertising 200,000 to 300,000 rose plants for sale.

WESTERN PROSPECTS.

A. L. Brooke, president of the Western Association of Wholesale Nurserymen, writes from North Topeka, Kan., as follows:

Trade during the fall of 1902 was stronger than at any time previous, at least for years. Buying for spring of 1903 was brisk. Long prices were offered in some instances for apple and were refused. The holder afterwards found his market for these same trees in the brush pile. Conditions on apple this spring seemed to be reversed and the market opened weak, but seemed to gather itself several times, but not sufficient to use up all the surplus. There is no stock of any kind held over at this center of trade. Trade on apple seedlings was brisk and all stock found buyers. Prices on seedlings for fall will advance. Apple will be some lower than last season. Other stock will range about as last year.

CINCINNATI.

The Market.

At last the first real hot wave of the season seems to have reached us, yet notwithstanding the increase in temperature business is still holding out. A great many wedding decorations are still on. White flowers have been greatly in demand for funeral work, especially outdoor stock.

Roses are about the same as last week, the supply being just about equal to the demand. There are quantities of second and third grade roses, especially pink ones, but as a rule they find a good market. Liberty and Meteor are still scarce. Beauties are not equal to the demand.

Carnations, especially white and red, sell quickly, and pink ones are not far behind. The supply is about equal to the demand and the quality is very good. Carnations in the field are doing fine this season. Some growers report that

their plants at the present time are as large as they were when housed last year. Plenty of rain and cool weather did the business.

Sweet peas are now a glut. The outdoor stock is in full blast and the commission houses are full of them. Longiflorum lilies are about over in this market. A few candidum are still to be had and sell readily.

The supply of greens is still equal to the demand, though smilax is beginning to show signs of a shortage. Asparagus Sprengerii is in fine shape and some good plumosus is also procurable. Eastern ferns arrive in fine shape and have almost entirely taken the place of the southern or so-called western variety, which is much coarser.

Notes.

The committee appointed by the florists' society to get rates to the S. A. F. convention, reports that the C. H. & D. has been selected as the official route and will be used by the florists of this city; so those going to the convention who pass through Cincinnati must see that their ticket reads via the C. H. & D., if they wish to join the Cincinnati party. The rate will be \$14.10 for the round trip, and sleeper \$4 extra. Stop-over will be allowed at Chicago on returning, which will give the boys a chance to take in Chicago's mammoth establishments.

The outing committee is hustling things in shape for the picnic at Coney Island, July 23. Many of the boys are already practicing for the bowling contests. Do not forget that the lady making the best score during the morning will receive a handsome prize. The tickets are now out and can be had at any of the wholesale houses. Don't overlook the fact that the florists do not receive credit for tickets sold by the Coney Island company, so be sure to buy your tickets in advance. Buy them from a florist!

N. L. Fry has bought out F. W. Ball's interest in F. W. Ball & Co.'s store on Fourth street. The name "Queen City Flower Co." has been adopted and Miss Edith Kyrk has been installed as manager.

The first summer meeting of the Florists' Society, which will be held at the residence of D. Rusconi, in Covington, Ky., July 9, promises to be the banner meeting of the summer. Mr. Rusconi says that everything is in readiness and that all florists are invited. A good time is assured, so don't fail to come.

Wm. Rupp, of Lawrenceburg, Ind., was a caller. C. J. OHMER.

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CLASSIFIED PLANT ADVERTISEMENTS.

Rate for advertisements under this head, 10 cents a line net, per insertion. New advs. and changes must reach us by Wednesday morning at latest to secure proper classification in issue of Thursday.

ABUTILONS

Abutilons, trailing var. and green, 3 and 4-in., extra large, fine, 6c. Smaller ones, 40c doz. Geo. M. Brinkerhoff, Springfield, Ill.

Abutilons in variety, 2½-in., \$2.50 100; \$20.00 1000. R. Vincent, Jr., & Son, White Marsh, Md.

Abutilons, assorted, 2 and 2½-in., \$1.50 100. Cash. C. A. Reeser Co., Urbana, O.

ACALYPHAS.

Acalypha Macfeeana, \$3.50 100. R. Vincent, Jr., & Son, White Marsh, Md.

AGERATUMS.

Ageratum, P. Pauline and Stella Gurney, 2-in. pots, \$1.50 per 100. Cash with order. Ernest Harris, Delanson, N. Y.

Ageratum, P. Pauline, strong, 2½-in., \$1.50 100. Buckley Plant Co., Springfield, Ill.

Ageratums, 3-in., 3c ea., \$25.00 1000. M. F. La Roche, Collingdale, Pa.

ALTERNANTHERAS.

Alternanthera aurea nana, \$1.50 100, \$12.50 1000; Hermsdorf, new, fine, \$2.50 100, \$20.00 1000. 2 and 2½-in. Cash. C. A. Reeser Co., Urbana, O.

Alternantheras, red and yellow; strong 2½-in. stock, \$20.00 per 1000. D. Newlands & Co., 1089 W. Delavan Ave., Buffalo, N. Y.

Alternanthera, 1000 red, 1000 yellow, \$2.00 100. Cash. CHAS A. KNAPP, Chestnut Hill, Philadelphia.

Alternantheras, red, yellow and pink, bushy plants, \$2.00 per 100. Chas. A. Juengel, 1837 S. 14th St., St. Louis, Mo.

Alternantheras, red, yellow and pink, 2-inch, \$2.00 100. A. J. Baldwin, Newark, Ohio.

Alternantheras, red and yellow, 2½-in., \$2.00 100. Cash. S. M. Harbison, Danville, Ky.

Alternantheras, red and yellow, 2½-in., \$2.50 100. W. J. & M. S. Vesey, Fort Wayne, Ind.

ALYSSUM.

Double Giant Sweet Alyssum, 2-in. pots, \$2.00 per 100. Cash with order. ERNEST HARRIS, Delanson, N. Y.

Double sweet alyssum, 2 and 2½-in., \$1.50 100. Cash. C. A. Reeser Co., Urbana, O.

Dbl. Giant Alyssum, \$1.00 100. Buckley Plant Co., Springfield, Ill.

AMPELOPSIS.

Ampelopsis Veltheil from flats, ready for 2-in., \$1.00 per 100.

Roht. Bowdler, 1723 Florida Ave., N. E., Washington, D. C.

Ampelopsis Veltheil, 3-in., 5c; 4-in., 10c; 5-in., 15c. Packing free for cash. W. H. Salter, Rochester, N. Y.

ANTHERICUMS.

Anthericum variegatum, 3-in., 75c per doz.; 4-in., \$1.00 per doz., \$8.00 100. F. WALKER & CO., Louisville, Ky.

Anthericum variegatum, 3-in., \$3.00 100. J. G. Eisele, 20th and Ontario Sts., Phila.

ARAUCARIAS

Araucaria excelsa, raised in Belgium from top cuttings only.

	Tiers.	High.	Each.
5½-in. pots	2 to 3	8 to 10 in.	50c
5½-in. pots	3 to 4	10 to 12 in.	60c
5½-in. pots	3 to 4	13 to 15 in.	75c
6-in. pots	4 to 5 tiers	16 to 18 inches high.	80c, 90c and \$1.00 each.

GODFREY ASCHMANN, 1012 Ontario St., Philadelphia, Pa.

Araucaria excelsa, 2-in., 1 to 2 tiers, \$16.00 100. Araucaria imbricata, 2½-in., strong, stocky, \$10.00 100.

F. LUDEMANN, 3041 Baker St., San Francisco, Cal.

Araucaria excelsa, from 50c upward. Fine plants. Araucaria compacta, from \$1.00 upward. Fine plants.

JOHN BADER, Troy Hill, Allegheny, Pa.

ASPARAGUS.

Asparagus Sprenger, 2 and 2½-in., strong, \$2.00 100, \$15.00 1000; A. plumosus nanus, 2 and 2½-in., equal to 3 and 4-in., \$3.00 100, \$25.00 1000. Cash. C. A. Reeser Co., Urbana, O.

Asparagus plumosus nanus, out of 2½-in. pots, \$3.00 100; \$25.00 1000. Sprenger, out of 2½-in., \$2.25 100; \$20.00 1000. Cash with order. LIVINGSTON SEED CO., Columbus, O.

Asparagus Sprenger, 2-in., \$2.00; 3½-in., \$2.50; 3-in., \$3.00 100. A. plumosus nanus from flats, \$2.00 100; \$15.00 1000. Express prepaid. Loomis Floral Co., Loomis, Cal.

Asparagus plumosus plants, 2-yrs.-old, \$5.00 100; fine for strings. Asparagus Sprenger, 2½-in. pots, extra, \$2.50 100. JOSEPH WOOD, Spring Valley, New York.

Asparagus Sprenger, from flats, \$1.00 100, \$6.00 1000; 5000 for \$25.00; 2½-in., \$1.50 100, \$12.50 1000. S. Whitton, 15 Gray Ave., Utica, N. Y.

Asparagus Sprenger, 2½-in., \$3.00; 3-in., \$4.00; 4-in., \$8.00; 5-in., \$15.00; 6-in., \$25.00 100. J. H. Bornhoeft, Tipton, Ind.

10,000 strong Asparagus Sprenger, 2½-in., \$20.00 per 1000. Samples sent on application. WALKER & McLEAN, Youngstown, O.

Asparagus plumosus nanus, 2½-in. pots, \$4.00 100. Sprenger, 2½-in. pots, \$2.50 100. EDW. J. TAYLOR, Southport, Conn.

Asparagus Sprenger, 2-in. pots, \$2.00 100. A. plumosus nanus, July, \$2.50 100. Cash. Jos. H. Cunningham, Delaware, Ohio.

Asparagus plumosus, 2, 2½, 4 and 5-in. A. Sprenger, seedlings, 2, 3 and 4-in. Geo. A. Kuhl, Pekin, Ill.

Asparagus Sprenger, 2½-in., extra strong, \$3.00 100. Ready for 3 and 4-in. now. Geo. M. Brinkerhoff, Springfield, Ill.

Asparagus Sprenger and A. plumosus nanus, 2-in., \$3.00 100; \$25.00 1000. ISAAC H. MOSS, Govanstown, Baltimore, Md.

Asparagus Sprenger and plumosus, extra strong, 2-in., \$3.00 100. C. BETSCHER, Canal Dover, O.

ASPARAGUS PLUMOSUS NANUS. Cut strings, 50 cents each. W. H. ELLIOTT, BRIGHTON, MASS.

Asparagus Sprenger, extra fine, 2½-in., \$2.50 100. A. J. Baldwin, Newark, Ohio.

Asparagus plumosus nanus, 50c doz.; \$3.00 100. G. M. Naumann, Doan St., Cleveland, O.

Asparagus plumosus, 4-in., \$10.00 100. Crown Point Floral Co., Crown Point, Ind.

Asparagus plumosus, all sizes. A. S. MACBEAN, Lakewood, N. J.

ASTERS.

Asters from 2-in. pots. Branching and Perfection, white, pink, rose and mixed colors, good plants ready for shipment \$1.50 100; \$12.50 1000. A. C. CANFIELD, Springfield, Ill.

SEMPLE'S ASTERS, five colors mixed. White and shell-pink, in separate colors, \$2.50 1000. A. & G. Rosbach, Pemberton, N. J.

A few hundred asters, Semple's white and lavender, 30c 100. Cash. F. Griswold, Worthington, Ohio.

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Bananas, well rooted plants by express, \$2.00 doz. Bulbs, \$1.50, postpaid.

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Begonia Gloire de Lorraine, 2½-in. pots, \$15.00 per 100. Write for prices on large lots. Stock guaranteed absolutely free from disease. THOMAS ROLAND, Nahant, Mass.

Begonias, in 10 var., 3½-in. pots, \$3.00 100. Rex begonias, 2½-in. pots, \$3.50 100; 3½ and 4-in. pots, \$5.00 100. Cash. V. H. Thomas, Bx. 82, Augusta, Ky.

Begonias Dewdrop and Thurstoni, \$2.00 100. Manicata aurea, strong plants, \$5.00 100. C. L. REESE, Springfield, O.

Begonia Gloire de Lorraine, strong 2-in., July delivery, \$15.00 100, \$140.00 1000.

J. H. Rebstock, 586 Main St., Buffalo, N. Y.

Rex begonias, a number of the best varieties, 2-in., \$4.00; 2½-in., \$6.00 100. N. O. CASWELL, Delavan, Ill.

Begonias, assorted, 2 and 2½-in., \$2.00 100. Cash. C. A. Reeser Co., Urbana, O.

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Jerusalem cherries and Japanese peppers, 2½-in., \$2.50 100. M. F. La Roche, Collingdale, Pa.

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Bouvardias, double pink, white and single scarlet, \$3.00 100. Levant Cole, Battle Creek, Mich.

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Callas and Freesias. Ready for delivery during July and August. Will book your order now at the following prices: Callas, 1 to 1½-in. in dia. at \$3.00 per 100; 1½ to 2-in. in dia. at \$5.50 per 100; 2 to 2½-in. in dia. at \$7.50 per 100. Freesias, ¾-in. in dia. at \$3.00 per 1000; ½-in. in dia. at \$4.25 per 1000; ¾-in. in dia. at \$7.50 per 1000. Packing free. We also offer the following palm seeds: Phoenix canariensis at \$1.00 per 1000; Phoenix reclinata at \$4.00 per 1000; Washingtonia filifera at 75c per lb. (in hull); Washingtonia robusta at \$1.00 per lb. (in hull). Cash with order from unknown parties. GERMAIN SEED & PLANT CO., Los Angeles, Cal.

Last Call—TUBEROSES—unprecedented value. Dwarf Excelsior Double Pearl. Mammoth bulbs, 4 to 6-in., 40c 100, \$3.00 1000; second size, 3 to 4-in., 25c 100, \$1.50 1000. JOHNSON & STOKES, 217-219 Market St., Philadelphia, Pa.

100,000 paper white narcissus bulbs, Calif. grown; all fine flowering bulbs. Ready for delivery from June 15 to Oct. 1, \$6.00 1000. Cash with order. Geo. Rosmarin, 1419 Bay St., Alameda, Cal.

FREESIA BULBS, 1½-in. and up, \$3.00 per 1000; ¾ to 1½-in., \$1.25 per 1000. Prepaid. Cash with order. COTTAGE NURSERY, San Diego, Cal.

We shall be pleased to quote you prices on L. HARRISII, L. LONGIFLORUM and all other bulbs. J. M. Thorburn & Co., 36 Cortlandt St., N. Y.

American-grown bulbs of narcissi and daffodils, for August delivery. Send for list and prices. POAT BROS., Ettricks, Va.

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Freesia refracta alba, ready July 1. Calla ethiopica, ready August. Order early. H. H. Berger & Co., 47 Barclay St., N. Y.

Calla bulbs, 1½ to 2-in., Aug. 1 delivery, \$5.00 100; express prepaid. California Carnation Co., Loomis, Cal.

Send for our bulb and plant catalogue. N. J. & NEUNER, Louisville, Ky.

CACTI.

Cacti, \$5.00 to \$8.00 per 100. WILLIAM TELL, Austin, Tex.

CALADIUMS.

Caladiums, fine plants, 3 to 10 leaves, 3-in., \$5.00; 4-in., \$8.00 100.

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200 caladiums, 8c each.

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Cannas, started, ready for potting. Egandale, Souv. de Antoine Crozy, Florence Vaughan, \$3.00 100. Alphonse Bouvier, Burbank, Chas. Henderson, J. C. Vaughan, \$2.50 100. Peachblow, Shenandoah, Morning Star, L. E. Bally, \$2.00 100. Our selection, \$2.00 100. The above varieties, 3-in pots, price \$5.00 per 100. A. J. BALDWIN, Newark, Ohio.

CANNAS. An exceptionally fine lot of cannas, 4-in. pots of the following varieties: Florence Vaughan, A. Bouvier, Burbank, E. Crampbell, Midway and Sec. Nicholas, at \$6.00 per 100. J. F. WILCOX, Council Bluffs, Iowa.

Cannas Pierson, Henderson, Mme. Crozy, Souv. de Crozy, McKinley, Burbank, Alemanula, F. Vaughan, Queen Charlotte and Egandale from 3 and 4-in pots, \$5.00 and \$7.00 100. Cash with order. W. E. HALL, Clyde, Ohio.

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W. J. & M. S. Vesey, Fort Wayne, Ind.

Cannas Bouvier, Burbank, Charlotte and Cleveland, 3-in., 12 to 18 inches high, \$2.50 100. S. M. Harbison, Danville, Ky.

2000 cannas, Queen Charlotte, Crozy, Egan-dale, \$5.00 100. Cash. CHAS. A. KNAPP, Chestnut Hill, Philadelphia.

Cannas, fine started plants, best varieties, 2 and 2½-in., \$2.50 100; \$20.00 1000. Cash. C. A. REESER CO., Urbana, O.

Cannas. Fine sorts, Mme. Crozy and Austria, 4-in. pots, \$5.00 100. Cash with order. J. & W. LEACH, Astoria, L. I., N. Y.

Cannas, started plants from 3-in. pots, good selection of varieties, \$4.00 per 100. STORRS & HARRISON CO., Painesville, O.

Cannas Flamingo, Henderson, Crozy, Vaughan and Austria, 4-in., \$5.00 100. W. H. Gullett & Sons, Lincoln, Ill.

Cannas, dormant roots, just starting. A. Bouvier, C. Henderson, \$1.25 100. C. L. Reese, Springfield, O.

1000 fine cannas, 3-in. pots, strong plants, 15 best varieties, \$2.00 per 100. JOSEPH BANCROFT & SON, Cedar Falls, Iowa.

Cannas, Chas. Henderson, fine, strong 3-inch stock, \$3.50 100; \$30.00 1000. Carl Hagenburger, West Mentor, Ohio.

Cannas, best varieties, started, \$3.00 100. Geo. L. Miller, Newark, Ohio.

Splendid collection; stock fine. Write. John Scott, Keap St., Brooklyn, N. Y.

Cannas, mixed, 4-in., fine, \$6.00 100. Crabb & Hunter, Grand Rapids, Mich.

500 cannas, 6c each. David S. Beach, Bridgeport, Conn.

CARNATIONS.

Scott carnations, 2-in., \$1.50 100. Good large plants. M. F. La Roche, Collingdale, Pa.

CENTAUREAS.

Centaurea gymnocarpa, 2½-in., \$2.00 100. Cash. S. M. Harbison, Danville, Ky.

500 Centaurea gymnocarpa, \$2.00 100. Cash. Charles A. Knapp, Chestnut Hill, Philadelphia.

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White.	100
Lady Fitzwygram	\$3.50
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Peonies, very fine list.

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Latania Borbonica, 3-in. pots, \$6.00 per 100; 4-in. pots, \$15.00 per 100, \$2.00 per doz.; 5-in. pots, \$25.00 per 100, \$3.50 per doz.; 6-in. pots, \$40.00 per 100, \$5.00 per doz.; from 8-in. pots and larger, \$2.50 each and upward, according to size.

Kentia Forsteriana and Belmoreana, from 2½-in. pots, \$7.00 per 100; 3-in. pots, \$12.00; 4-in. pots, \$25.00; 5-in. pots, \$50.00; 6-in. pots, \$15.00 per doz.; from 7-in. pots and upward, at \$1.75 to \$3.50 each.

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Phoenix Canariensis, fine specimens, from \$2.00 to \$35.00 each. L. D. Telephone 872a.

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From top of pot.....	High. Leaves. Per 100.	12-in. 4 to 6	15-in. 4 to 6	18-in. 4 to 6	20-22-in. 4 to 6	24-26-in. 4 to 6
" " " " " "	12-in. 4 to 6	\$25.00	30.00	35.00	40.00	50.00

Plants are very fine, home-grown. Cash with order, please.

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Areca lutescens, cool grown, bushy plants, 6-in., 75c each, \$9.00 doz.; 6-in. extra heavy, \$1.00 each, \$12.00 doz.; 8-in., \$2.00 each, \$24.00 doz.; 8-in., extra heavy, \$2.50 each, \$30.00 doz.

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Three large specimen Cycas revoluta plants with 30 perfect leaves, 42 inches long. Also one very large plant with 40 leaves, 50 inches long. SCHLURAFF FLORAL CO., Erie, Pa.

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Bride, 2½-in.	\$3.00	\$25.00
Bridesmaids, 2½-in.	3.00	25.00
Sunrise, 2½-in.	7.00	65.00
Golden Gate, 2½-in.	2.50	20.00
Meteor, 3½-in.	4.50	37.50
Perle, 3-in.	5.00	45.00
Liberty, 3-in., fine stock	10.00	80.00
Beauty, 3-in.	6.00	50.00
American Beauty, bench plants, cut down to 12-in., \$4.00 100; \$35.00 1000.		

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded. Cannot accept orders for less than 50 of a variety.

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Bride, 3-in.	4.00	35.00
Perle, 3-in.	4.00	35.00
Ivory, 3-in.	4.00	35.00
Oliver Ames, 3-in.	4.00	35.00
Golden Gate, 3-in.	3.00	25.00
Ivory, 2½-in.	3.00	25.00
Oliver Ames, 2½-in.	3.00	25.00
Golden Gate, 2½-in.	2.00	18.00
American Beauty, 3-in., \$5.00 100, \$40.00 1000; bench plants, \$4.00 100, \$30.00 1000.		

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2000 Liberties, 2½-in.	\$12.00 per 100
700 Brides, 2½-in.	10.00 per 100
3700 Brides, 3½-in.	12.00 per 100
1400 Maids, 2½-in.	10.00 per 100
1200 Maids, 3½-in.	12.00 per 100
14000 Beauties, 2½-in., own roots	4.00 per 100

All plants shipped from Hinsdale, Ill.

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Grafted roses, fine bushy plants, 3½ and 4-in. pots. 100. 1000.

Liberties \$18.00 Brides \$15.00

Ivorys 18.00 Golden Gates .. 15.00

Bridesmaids 15.00

Send for catalogue.

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Fine Beauties, from benches, \$8.00 per 100; \$75.00 per 1000. Fine Liberties, grafted, 2 years old, from benches, \$15.00 per 100.

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Rose plants, 2½-in., in fine condition, cheap to clean out. GOLDEN GATE, \$2.50 100; \$20.00 1000. AMERICAN BEAUTIES, \$4.00 100; \$35.00 1000. AMERICAN BEAUTY, bench plants cut to 12 inches, \$5.00 100; \$40.00 1000.

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American Beauties, 2½-in. \$ 8.00 per 100
American Beauties, 3½-in. 10.00 per 100
Well branched and clear of black spot. Cash with order.

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3000 Brides, 3-in. 4.00 100
3000 Maids, 3-in. 4.00 100

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PREMIUM AMERICAN PANSY SEED now ready. COLUMBIA, the red, white and blue, 25c per pkt. Extra choice mixed, 10c per pkt., ¼ oz. 50c, ½ oz. 75c, 1 oz. \$2.75. Selected mixed pkt. 15, ¼ oz. 70c, ½ oz. \$1.20, 1 oz. \$4.00. Hesperian mixed, 25c per pkt. Trade pkts. containing triple quantity at double price. Guide to Pansy Culture with catalogue free to any address.

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CHINESE PRIMROSE, fringed, mixed, 25c 100; \$1.00 500; \$1.50 1000.

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Zirngiebel's giant pansies, Market and Fancy strains, are the finest grade this season that we ever sent out, when large size and colors are wanted.

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PANSY SEED. New crop now ready; my own saving; large flowering; every conceivable shade, color and marking; pkt. 25c, ¼ oz. \$1.00, oz. \$3.00. Also at wholesale.

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Cineraria seed, large-flowering and large-flowering dwarf, splendid mixture, 50c and \$1.00 per pkt. Chinese primula, fringed, separate or mixed, 50c pkt. Pansy, superb mixture, unexcelled strain, ¼ oz., 75c; \$5.00 pkt.

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Stevia, dwarf, 3-in., 3c each.
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The white sultana, PLATYAPETALA. Flowers large, pure white with a red dot in the center. Good strong plants from pots, \$1.00 doz., \$6.00 100.

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Verbenas in bud and largest size flowers, 2½-in., \$2.00 100. Seedlings, strong, from pan, 60c 100. Wm. Stuppe, Westbury Station, L. I., N. Y.

1000 verbenas, all colors, well branched, in bloom, 2½-in., \$1.50 per 100.

Chas. F. Seitzer, 20 Oswego St., Utica, N. Y.

Henderson's mammoth verbenas, 3-in., 3c ea., \$25.00 1000.

M. F. La Roche, Collingdale, Pa.

Verbenas, mammoth, 15 varieties, \$1.00 100. Buckley Plant Co., Springfield, Ill.

Verbenas, in bloom, 2½-in., \$2.00 100. Cash.
S. M. Harbison, Danville, Ky.

Henderson's Mammoth verbenas, \$1.50 100.
W. H. Gullett & Sons, Lincoln, Ill.

Lemon verbenas, 2½-in., \$2.50 100.
R. Vincent, Jr. & Son, White Marsh, Md.

Verbenas, 2-in., \$1.50 100.
E. I. Rawlings, Quakertown, Pa.

VINCAS.

Fine, 3-in. vincas, elegant for vases, or for stock next year, at \$4.00 100; 2½-in., \$2.50 100.
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Vincas, green, 4-in., 20 to 25 vines, 18 in. to 4 ft. long, extra fine, \$1.50 to \$2.00 doz.

Geo. M. Brinkerhoff, Springfield, Ill.

500 Vinca variegata, strong, out of 4-in. pots, to close, \$5.00 100. Cash. Quick service.

C. RIBSAM & SON, Trenton, N. J.

Vincas, 4000 good, strong 2-in., at a bargain, to move at once, \$1.75 100, \$15.00 1000.

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Vinca, variegated, 4-in., \$8.00 100. Other bedding stock cheap.

H. M. Woundy, New Canaan, Conn.

Large plants, bushy, 4-in. pots, \$10.00 per 100.
D. O. Pratt, Anoka, Minn.

Vinca major variegata, 2-in., fine, \$2.00 100.
A. J. Baldwin, Newark, O.

Vincas, extra strong, long vines, \$8.00 100.
Crabb & Hunter, Grand Rapids, Mich.

Vinca major, 3-in., 3c ea., \$25.00 1000.
M. F. La Roche, Collingdale, Pa.

Vinca major, 2½-in. pots, \$2.50 100.
Wm. Stuppe, Westbury Station, L. I., N. Y.

Vinca major, 6-in., \$3.00 doz.
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500 vincas, 5c each.

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Having decided to turn our entire establishment into Beauties, we offer 5000 2-in. Lady Campbells, which we were growing for ourselves, at \$2.50 per 100, or \$22.50 per 1000. Speak quick. Grand Rapids Violet Co., Grand Rapids, Mich.

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Achyranthes, red; coleus, red, yellow and mixed; lobellias, blue, 2 to 2½-in., \$1.50 100. 50 ricinus, 3½-in., 6c. 50 moonvines and Cobaea scandens 6c. 150 echeveria from flats, 1½c. 100 phlox, 3½-in., 5c. 50 fuchsias, 3½-in., in bud and bloom, 6c. E. C. ROSS, Honesdale, Pa.

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To Exchange—2000 Golden Gates and 1000 Liberties to exchange for Brides and Maids. Geo. M. Kellogg, Pleasant Hill, Mo.

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Wanted.—In possession of a fine tract of land, I seek contracts to grow about 40,000 to 50,000 roses. Planting time of hardy roses, November, 1903; other varieties in March and April, 1904. Our climate is one of the best in the United States for growing outdoor roses. My personal skill and knowledge, also personal supervision, will be a guarantee of well-grown plants.

Address a proposition, stating how many plants and of what class you want me to grow for you; also price you are willing to pay per 1000.

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Wanted.—To buy Boston ferns for spot cash. Godfrey Aschmann, 1012 Ontario St., Phila., Pa.

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Wired toothpicks, 10,000, \$1.50; 50,000, \$6.25. Sample free. For sale by dealers.

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Model Extension carnation supports and galvanized rose stakes. Parker-Bruen Mfg. Co., 208 Jersey St., Harrison, N. J.

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ONE DOLLAR will bring the REVIEW to you every week for a year. Fifty-two numbers—less than 2 cents a week.

THE FLORISTS' REVIEW is certainly a right up to date and finely illustrated paper.—DEPEW BROS., Nyack, N. Y.

THE BOOK that saves money for you like the Florists' Manual, by Wm. Scott, is the book for you to have handy.

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THE Florists' Manual, by Wm. Scott, is for use every day in the year.

PLEASE MENTION THE REVIEW WHEN WRITING ANY OF THESE ADVERTISERS.

MILWAUKEE.

Convention Preparations.

Convention matters are now the principal topic among the local craftsmen. Everything is being done to make the nineteenth annual convention a grand success. Visitors are expected from every state in the Union. The trade display promises to be exceptionally large, as most of the leading horticultural and supply men have engaged considerable space. The hall is sufficiently large to conveniently accommodate all exhibits, and any one contemplating making a display who has not as yet secured space should communicate with F. H. Holton at once. The club is also getting up an attractive souvenir, which will be a credit to the occasion.

Phil. Hauswirth and C. C. Pollworth, on the S. A. F. bowling committee, are preparing a program and list of prizes which will cause considerable interest among the bowlers. More teams are expected to enter than at any previous convention. Any one wishing to offer a prize or make any suggestions regarding the game should communicate with Phil. Hauswirth, at Chicago. There are quite a few hunters among the local club, but no expert trap shooters, so a shooting team may not be entered from here, but Peter Reinberg ought to be able to make up a strong team among the High Ridge florists to battle with Philadelphia.

A program for entertaining visiting ladies is well under way and full particulars will appear in the official program.

INCOG.

WASHINGTON.

Business all along the line seems to be at a standstill. Roses and carnations are very scarce on account of the growers replanting, but even at that there are enough to go around. Roses of all kinds can be had at from \$2 to \$3. Carnations are very scarce and bring the same as roses. Outdoor stuff of all kinds is very plentiful and prices very uncertain.

The season has been very favorable for outdoor carnations and there are lots of fine plants to be seen around the city. On account of the long and continuous rains it is almost impossible to keep the weeds down.

The boys are taking lots of interest in bowling, and the present indications are that Capt. Ernest will carry a full team to Milwaukee next August. The following are our last week's scores:

Player.	1st.	2d.	3d.	Total.
C. L. Barber, Jr.	188	169	160	497
C. Wolf	150	154	168	472
Geo. Shaffer	186	166	160	512
W. H. Ernest	167	173	196	536
Geo. H. Cooke	136	174	144	454
F. H. Kramer	135	133	140	408
W. King	145	151	136	432
C. L. Barber	161	169	150	480
J. Minder	112	120	130	362
W. S. Clark	113	114	136	363
J. R. Freeman	155	141	145	441
C. Oehmiller	176	142	150	468
A. Esch	100	102	140	342
K. Davis	121	102	100	323
McLennan	156	134	141	431

F. H. KRAMER.

EVANSVILLE, IND.—The William Blackman Florist Company has been incorporated, capital stock \$5,000, by William, George and Edward Blackman.

CHARLESTON, W. VA.—The J. M. Neil Co., successors to the Nursery & Seed Co., handle seeds, bulbs, nursery stock, implements and Angora goats. They report good business.

Young Grafted RosePlants for Sale.

HAVING MADE SOME CHANGES IN OUR PLANS FOR REPLANTING
WE OFFER THE FOLLOWING STOCK SELECTED FOR OUR OWN USE.

2,000 LIBERTY, 2½-inch pots, per 100	\$12.00
700 BRIDES, 2½-inch pots, per 100	10.00
3,700 BRIDES, 3½-inch pots, per 100	12.00
1,400 MAIDS, 2½-inch pots, per 100	10.00
1,200 MAIDS, 3½-inch pots, per 100	12.00
14,000 AM. BEAUTIES, 2½-inch pots, own roots, per 100	4.00

2-inch SMILAX, per 100 \$1.50

ALL PLANTS WILL BE SHIPPED FROM NINSDALE, ILL.

BASSETT & WASHBURN,
76 Wabash Ave. CHICAGO, ILL.

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GOLDEN GATE, 2½-in.....\$2.50 per 100; \$20.00 per 1000

AMERICAN BEAUTY, 2½-in... 4.00 per 100; 35.00 per 1000

These plants are all in fine condition.

Am. Beauty Bench plants cut down to 12 inches,
\$5.00 per 100; \$40.00 per 1000

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GRAFTED ROSES.

Our Grafted Roses are fine, bushy plants, grown in 3½ and 4-inch pots, and are the best that can be produced.

Liberty, Ivory, \$18.00 per hundred.

Bridesmaids, Brides, Golden Gates,
\$15.00 per hundred.

Send for catalogue.

J. L. DILLON, BLOOMSBURG, PA.

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2000 AMERICAN BEAUTY \$40.00 per 1000
2000 IVORY 20.00 "

2-inch, strong, clean stock, first-class in every way.

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750,000 Forcing Roses, Mums and Stevia from Stock.

Printed price list mailed on inquiry, or see issues of Florists' Review for May 21 and 28 for list of varieties and prices.

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Following varieties and sizes in stock:

Meteors, 2 and 2½-in.; Brides, 2, 2½ and 3-in.; Maids, 2, 2½, and 3-in.; Kaiserins, 2, and 4-in.; Pearls, 2 and 3-in.; Beauties, 2 and 3-in.; Liberty, 2, 2½ and 3-in.; Golden Gate, 2, 2½ and 3-in.; La France, 2 and 3-in.; Belle Siebrecht; Pres. Carnot, 2-in.; Ivory, 2 and 3-in.; Woottons, 2 and 3-in.

BOSTON PERN—5, 6, 7, 8 and 10-inch.

PLUMOSUS—2, 2½, 3, 4 and 5-inch.

SPRENGERI SEEDLINGS—2, 3, 4 and 6-in.

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Surplus Stock IN ROSES.

Ready for immediate planting.

2000 Mme. Cusin.
2000 Mme. Pierpont Morgan.
2000 Meteor.
2000 Bridesmaids.
2000 Bon Silene.
1000 Isabella Sprunt.
1000 Safrano.
300 Perle.

3-inch pots, \$6.00 per 100; \$50.00 per 1000. 4-inch pots, \$8.00 per 100; \$75.00 per 1000.

JOHN BREITMEYER'S SONS,
DETROIT, MICH.

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The Florists' Hall Association

has paid over \$54,000 for glass broken by hail during the past 15 years. For particulars

Address JOHN G. ESLEY, Sec'y, SADDLE RIVER, N. J.

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HOW TO GROW IT.
FULLY ILLUSTRATED.

By C. W. WARD.

A PRACTICAL work on Carnation growing, complete in every particular, including the full calendar of operations for the year, with chapters on Soils, Fertilizers, Insects, Diseases, Heating. Each and every phase of commercial Carnation culture treated clearly and comprehensively. The book contains 290 large pages, finely printed. It should be in the hands of every grower.

Sent carriage paid on receipt of \$3.50.

Florists' Publishing Company,
Caxton Bldg., Chicago.

ROSE PLANTS

	Per 100	Per 1000		Per 100	Per 1000
Brides, 2½-inch	\$3.00	\$25.00	Meteor, 3½-inch	\$4.50	\$37.50
Bridesmaids, 2½-inch	3.00	25.00	Beauty, 3-inch	6.00	50.00
Sunrise, 2½-inch	7.00	65.00	Ivory, 2-inch	3.00	25.00
Golden Gate, 2½-inch	2.50	20.00	Liberty, 3-inch, very fine stock	10.00	80.00

American Beauty,

bench plants, cut down to 12 inches high, \$4.00 per 100.
35.00 per 1000.

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded. No plants or cuttings sent by mail. Cannot accept orders for less than 50 of a variety.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

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AMERICAN BEAUTIES

Plants from 2 by 3-inch pots, \$6.00 per 100; \$50.00 per 1000
Plants from 3-inch pots, - - 9.00 " 80.00 "

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Mention Review when you write.

SUNRISE, 1,200 plants, \$9 per 100
3-inch pots,
BRIDESMAIDS 600 Plants, \$5 per 100
3-inch pots,

Ready now in nice condition. Cash with order.

JOHN WELSH YOUNG, UPSAL STATION P. R. R. Germantown, Pa.

To close out: Roses

Golden Gates, from 2½-inch pots, fine plants, \$2.00 per 100; \$17.50 per 1000.
Brides, from 2½-inch pots, \$3.00 per 100.

WM. B. SANDS, Lake Roland, BALTIMORE, MD.

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Wanted to Exchange.

We have 2000 Golden Gates and 1000 Liberty to exchange for Brides and Bridesmaids.

GEO. M. KELLOGG,
Pleasant Hill, Mo.

Mention The Review when you write.

Always mention the Florists' Review when writing advertisers.

ROSES! ROSES!

Fine, clean young stock, growing nicely, and in prime order to plant for forcing.
Brides, Bridesmaids, Golden Gates, 100 1000
2½x3-inch.....\$3.00 \$25.00
3-inch.....5.00 50.00
Perles, Ivory, Meteors, 2½x3-inch.. 3.00 30.00
Kaiserins, 3-inch.... 6.00

We have about 2000 fine, 3-in. VINCAS, elegant for vases, or for stock next year, at \$4.00 per 100; and nice 2½-in. ones at \$2.50; get a sample lot. Can-
nas—4-in., Flamingo, Henderson, Crozy, F. Vaughan, Austria, \$5.00 per 100. Elegant 2-in. Colons—12 choice sorts, \$1.50 per 100; \$12 per 1000.
W. H. GULLETT & SONS, - - Lincoln, Ill.

Fine Forcing Roses

Brides and Maids, 2 1-2-in. pots
\$2.50 per 100; \$22.50 per 1000

Now is the time to order before stock is all sold.
National Plant Co., Dayton, Ohio.

BALTIMORE.

The Market.

Except for outdoor operations, the weather is very favorable for work, the temperature being moderate and the days cloudy or rainy. There have been frequent light showers and one or two heavy rains within the past week, but the weather-wise look now for an early change and an ensuing hot, dry time, for there seems to be an equilibrium in these things, though we do not always know when the cycles begin or end. For the season the trade in cut flowers is well maintained. Roses are somewhat overabundant in the poorer grades, but good ones still sell, and carnations are not sufficient for the demand, especially for whites.

The Charles street florists whose constituency is perhaps largely made up of the class who leave the city on the advent of summer, say the duller season is already on them, but those who cater to the stay-at-homes report that there is as much business as is usual at this time of the year.

Notes.

There is little news. Not much building is being done. Emptying houses and planting roses occupies the attention of all.

John J. Perry, now the manager of the Florists' Exchange, has sold his retail store on Gay street to Wm. F. Keys.

A member of the trade here has been sued for \$5,000 for slander, a trolley car conductor being the plaintiff, and alleging that he was publicly charged with not ringing up a fare received.

Hans Schuler, son of Mrs. Schuler-Thomas, a well known florist here, has sold to Henry Walters, a prominent art connoisseur and collector, his marble statue, Ariadne, which is regarded as showing great originality and power.

B.

OTTAWA, ONT.—A plan to put a tariff on vegetables for the benefit of the Canadian market gardeners has been voted down in the house.

FAIRMOUNT, W. VA.—H. Glenn Fleming is building four connected houses 30x75 for carnations and roses, a propagating house 8x75 and a smilax house 20x24, all with solid beds. Business has been very good, especially funeral work.

Palm Seeds

JUST ARRIVED per Steamer Sonoma FROM AUSTRALIA.

Areca Bauerl.....	25c per 100;	\$2.00 per 1000
Kentia Belmoreana...	35c	2.50
Kentia Forsteriana...	35c	2.50
Pritchardia Seamanii...	\$1.50	
Erythea Edulis.....	75c	6.00

ARAUCARIA

.....EXCELSA

from 2-inch pots, one to two tiers, \$16 per 100.

Araucaria Imbricata

from 2½-inch pots, strong stocky plants, \$10.00 per 100.

Livistona Chinensis

the true variety (not Latania Borbonica), from 2-inch pots, \$6.00 per 100.

F. LUDEMANN, SAN FRANCISCO, CAL.

B. & A. SPECIALTIES.

We have thousands of Kentias,

PALMS

Araucarias and Bay Trees.

Many florists at this season of the year are looking for something to grow on during the Summer. Here is an opportunity to purchase such stock and every enterprising man will no doubt avail himself.

KENTIA BELMOREANA.

Inch.	No. of Leaves.	Height, Inches.	Per Doz.	Per 100.	Per 1000.
2½	3 to 4	8	\$1.50	\$12.00	\$100.00
3	4 to 5	10 to 12	3.00	15.00	140.00
4	5 to 6	15 to 18	4.00	25.00	225.00
5	5 to 6	18 to 22	6.50	50.00	
5½	5 to 6	22 to 24	9.00	75.00	

Each. Per doz.

6	6	24 to 26	\$1.00	\$10.00	
6	6 to 7	26 to 28	1.25	15.00	
6	6 to 7	28 to 30	1.75	21.00	
7	6 to 7	30 to 33	2.50	25.00	
7	6 to 7	33 to 36	3.10	36.00	
7	7 to 8	36 to 40	4.00	48.00	
	7 to 8	40 to 45	5.10	60.00	
	7 to 8	45 to 50	6.50	75.00	
8	7 to 8	50 to 55	7.50	85.00	
9	7 to 9	50 to 60	10.00	115.00	
10	7 to 9	60 to 65	12.50	145.00	
12	tubs.....	65 to 70	15.00		
12	made-up plants,	7 to 8 ft..	25.00 to \$35.00		

KENTIA FORSTERIANA.

Inch.	No. of Leaves.	Height, Inches.	Per Doz.	Per 100.	Per 1000.
3	3 to 4	12	\$2.00	\$15.00	\$140.00
4	4 to 5	15	4.00	25.00	225.00
5	5	15 to 18	6.00	50.00	
5½	5	18 to 20	7.50	60.00	
6	5	20 to 24	9.00	75.00	

Each. Per doz.

6	5 to 6	24 to 28	\$1.00	\$10.00	
6	5 to 6	28 to 30	1.25	12.00	
6	6	30 to 32	1.50	15.00	
6	6 to 7	32 to 36	2.00	20.00	
7	6 to 7	36 to 42	3.00	30.00	
8	6 to 7	48 to 52	4.00	50.00	
9	6 to 7	60 to 65	7.50		
10	6 to 7	65 to 75	12.50		
12	tubs, 7 to 8	7 to 8 ft.	18.00		
12	"	made-up, 7 to 9 ft.	20.00 to \$30.00		

We are pleased at all times to receive visitors at our Nurseries.
We have sixty acres planted with the most interesting stock in the country.
See Spring Catalogue for other stock.

BOBBINK & ATKINS, -- Rutherford, N. J.

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..ORCHIDS..

Largest stock of established Phalaenopsis in America: Amabilis, Amethystina, Lud-demanniiana, Rosa and Schilleriana, at \$2.50, \$3.00, \$4.00 and \$5.00 each, to make room.

Cattleyas in variety at half the usual prices.

100 Odontoglossum Crispum, fine stuff, at \$1.00 each. Also other choice Orchids at reasonable prices.

Write, but be quick, as they are going fast.

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Hydrangea Otaksa. 2 to 4 large blooms; fine plants in 5-in pots, \$3.50 per doz., \$25.00 per 100.

Wagner Park Conservatories, Sidney, O.

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Keap St. Greenhouses, Brooklyn, N. Y.

Headquarters for BOSTONS

Fine "PIERSONI" in 2½-inch pots.

The Cottage Gardens' Collection of Cannas-Grand stock. Send for particulars.

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Wholesale Florists,

RICHMOND, INDIANA.

ACALYPHA MACAFEEANA

\$3.50 per 100.

Strobilanthes Dyerianus

75 cts. per doz.; \$5.00 per 100.

ABUTILONS—In var.

\$2.50 per 100; \$20.00 per 1000.

CHRYSANTHEMUMS—In var.

POMPON CHRYSANTHEMUMS, 50 varieties, \$2.00 per 100; \$17.50 per 1000.

COLEUS—In var.

\$2.00 per 100; \$17.50 per 1000.

MISCELLANEOUS.

2½-in. pots, per 100

Cannas, 3-inch pots, good, strong stock, standard varieties, 60c per doz\$4.00

\$35.50 per 1000.

Fuchsias, in variety..... 2.50

Hardy English Ivy, extra strong..... 2.00

Lemon Verbena..... 2.50

Lobelia, compacta..... 2.00

Sedum variegata..... 2.00

Swainsona Alba..... 2.00

(Rooted Cuttings of Hardy English Ivy, 75c per 100; \$5.00 per 1000.)

Not less than 5 of any one variety sold.

Send for trade list. Cash with order.

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Palms and Ferns!

WE HAVE A FINE LINE IN ALL SIZES.

Also ASPARAGUS and SMALL FERNS for Ferneries.

OUR STOCK WILL PLEASE YOU.

C. C. POLLWORTH CO., Milwaukee, Wis.

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GERANIUMS in bud and bloom, 4-in., \$6 per 100—Mrs. E. G. Hill, Jean Vland, Bruant, Mme. Chevellere, Beaute Poltevine.

CANNAS—Fine large plants in 4-in. pots ready for immediate planting, \$6.00 per 100: Burbank, Elliott, Henderson, McKinley, Vaughan, Crozy, etc.

ALTERNANTHERAS—Red and Yellow, 2½-in. \$2.50 per 100.

CALADIUMS—Fine plants, 3 to 10 leaves, 3-in. pots, \$5.00 per 100; 4-in., \$3.00 per 100.

COLEUS—15 varieties, \$2.00 per 100.

CHRYSANTHEMUMS, Rooted Cuttings. July delivery—Opah, Willowbrook, Polly Rose, Robinson, Weeks, Fee du Champsaur, Princess Bassaraba, Eaton, Jerome Jones, Monrovia, Parr, Halliday, Appleton, Park, Bonnafton, Golden Wedding, Ivory, Lady Harriett, Glory of Pacific, Helen Bloodgood, Dalskov, Chadwick, Mrs. Perrin, Mary Hill, Murdock, Calvat, \$1.50 per 100, Mlle. Liger and Yellow Eaton, 50c each; \$5.00 per doz.

BOSTON FERNS—6-in., 50c and 75c each; 7-inch, \$1.00; 8-inch, \$1.25; 9-inch, \$1.50.

ROSES—2,000 Brides, 2½-in. rose pots, \$3.50 per 100. Cash or C. O. D.

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Market and Fancy Strains

are the finest grade this season that we ever sent out, when large size and colors are wanted.

As growers, we know every strain of note in cultivation and we can recommend our pansies as unequaled.

New crop seed ready now in trade packages of either strain, at \$1.00 each.

Denys Zirngiebel
NEEDHAM, MASS.

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50c per 100.

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It will pay you to work up a stock of

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The best Semi-double Scarlet Geranium to date.
Strong, 2½-inch pots, \$8.00 per 100.

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A strain of large-flowering types including all colors. This is a product of careful selection for many years. Fresh seed now ready. Trade packet of 1000 seeds, \$1.00; oz., \$5.00.

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And Other Decorative Stock.

Orchids Just Received.

Fine importation of Cattleya Trianac and Phalaenopsis Amabilis and Schilleriana, etc. Ask for prices or call and inspect stock.

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'MUM NOVELTIES.

25c each; \$2.50 per doz.—Convention Hall, F. J. Taggart, Globosa Alba, Amorita, Mlle. Marg. Douillet, Mme. Von Andre, Florence Molyneux, Mrs. T. W. Pickett, Beattie Godfrey, Mlle. Marie Liger, Brumaire, Minnie Baily, Mrs. Rufus W. Smith, H. W. Buckbee, Mrs. J. J. Mitchell, Queen Alexandra, Mme. Paola Radaelli, Chas. Longly, Mrs. Alex. McKinley, Robt. Laird, Godfrey's King, Quo Vadis, Millicent Richardson, O. J. Salter, Henry Sinclair, Yellow Eaton, Mme. Herreweghe, Daisy Moore, Mme. Chambry and Mrs. Harry Emmerton and many others. Send us a list of your wants.

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Bonnafton, White Bonnafton, Childs, Wana-maker, Merry Xmas, Modesto, Monrovia, 2-inch pots, \$2.00 per 100.

Stevia—Extra strong, 2-inch, \$2.00 per 100.

Cut back 2-year-old Bride and Maid Roses, well ripened wood, \$2.00 per 100. Cash with order.

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Asparagus Sprengeri

2-inch pots.....\$2.00 per 100
2½-inch pots..... 2.50
3-inch pots..... 3.00

Asparagus Plumosus Nanus, from flats, \$2.00 per 100; \$15.00 per 1000. We prepay express charges and guarantee satisfaction.

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F. DORNER & SONS CO., LaFayette, Ind.

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BEACH the Florist Leads

WHY NOT BUY DIRECT

100 Pearls..... { 2 years old }3000 Brides
100 Meteors.... { 10c straight }1000 Maids.

10,000 Geraniums, all kinds and colors, 5c straight

500 Vincas 5c

1000 E. Ivy 10c

500 Cannas 6c

200 Caladiums 8c

1000 Fuchsias 8c

Leading Mums, in pots or out.....\$5.00 per 100

Two Windmills, Corcoran make, 12 ft. and 16 ft., mostly new. 600-bbl. Cedar Tank, one No. 15 Hitches' Boiler and 300 ft. of 1½ and 2-in. Pipe, ready to set up. Correspondence solicited.

DAVID S. BEACH,

P. O. Box 253. BRIDGEPORT, CONN.

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CHRYSANTHEMUMS -- 2½-inch pots.

Willowbrook, P. Rose, Ivory, Niveus, Eaton, Mrs. Jones, Monrovia, Parr, Oct. Sunshine, Halliday, Bonnafton, Appleton, Nagoya, Lincoln, Montmort, Pacific, Iolanthe, Adele, Shaw, Pink Ivory, Chamberlain, Lavender Queen, Xeno, \$3.00 per 100. Fitzwygrams (white and yellow), Lady Roberts, Chadwick, Merry Xmas, Philadelphia, Pennsylvania, Golden Wedding, Eclipse, Liberty, Golden Beauty, Lady Harriett, Orizaba, Lady Anglesey, Yanariva, Maud Dean, \$4.00 per 100. Opah, Bentley, Allos Byron, Mrs. Taggart, Polar Queen, Superba, Kate Broomhead, \$5.00 per 100. Novelties of this year, 50c each; \$5.00 per doz. Discount on large orders.

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Nothing but the best giganteum persicum, large flowered, 3-inch, ready for 4-inch, \$5.00 per 100.

Asparagus Sprengeri—From flats, ready for potting up, \$1.00 per 100; \$6.00 per 1000. 5000 for \$25.00. 2½-inch, \$1.50 per 100; \$12.50 per 1000.

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Have YOU tried it. 7-ply, fully guaranteed, any length, ¾-inch, 16 cents per foot.

U. CUTLER RYERSON,
108 Third Ave., -- NEWARK, N. J.]
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CLEVELAND.

The Market.

The condition of the market is about as last reported. Roses are holding firm and finding a ready sale at from \$2 to \$6 per 100. Carnations bring \$1.50 to \$2 per 100, sweet peas 30 to 40 cents per 100, and lilies 75 cents to \$1 per dozen. Valley is scarce at 4 cents. Maiden-hair brings 75 cents to \$1 per 100, and smilax 15 cents a string. Roses and carnations are very good considering the lateness of the season and the fact that many of the growers are planting and almost too busy to give proper attention to the old stock.

The wholesale men are well satisfied with the past season and all the retailers who have been interviewed report trade better than any previous year.

Notes.

We have not heard of many new houses going up this season, owing possibly to the heavy coal bills of last winter, the memory of which will not soon be forgotten, and the price set for next season's supply is not much lower, so the grower will have to produce a larger cut or be satisfied with a smaller return on his labor and investment, as he never thinks about demanding a higher price for his goods.

The J. M. Gasser Co. is moving its large plant from Lake avenue to the still larger place at Rocky river. This combining both places in one will undoubtedly prove both profitable and satisfactory, being so much easier to handle. They also intend to erect six houses each 28x300 feet and the whole place will be planted to roses, carnations, ferns and smilax.

PITTSBURG.

The Market.

Last week the cut flower business was very active. The general demand was for weddings and commencements. The demand for stock was considerably heavier than the supply. These conditions have now changed, and at this writing, June 30, stock is very plentiful and quantities of inferior roses and carnations are going to waste.

Beauties are not plentiful but the quality of those offered is very good. Sweet peas and other flowers are arriving now in quantities.

The month of June was a good one and many retailers report it the best they have had for many years.

Lakeview Rose Gardens are shipping in some fine Brides and Maids.

The Pittsburgh Cut Flower Co. reports shipping trade very good.

Notes.

The annual outing of the Florists' Club will be held at Ross Grove, Thursday, July 16.

Walter Breitenstein is using his spare time canoeing on the raging Allegheny river.

Tom Ulam is making a display of a very rich gold quartz from his Arbacoochee mine.

DAVENPORT, IOWA.—Robert Allison has resigned as custodian of the grounds of the Davenport Outing Club to give his whole time to the florist business, in which he has done considerable the past two years.

SURPLUS STOCK—50,000 Chrysanthemums

Black Hawk, Bouquet of Roses Henry Nanz, Mrs. Jerome Jones, Mrs. O. P. Bassett, Mrs. Henry Robinson, Mrs. Perrin, Ivory, Yanoma, White Bonnaillon, Willowbrook, Mrs. J. T. Anthony, Goldmine, Helen Bloodgood, Sunderbruch.

2-inch pots, \$3.00 per 100; \$25 00 per 1000.

Timothy Eaton, W. H. Chadwick, Col. D. Appleton, and many other leading sorts; for description see catalogue.

1000—ROSES—1000

Fine Stock for Benchling.

American Beauties, 3 1/2-inch pots.....\$10.00 per 100
White La France, 3-inch pots..... 6.00 "
Pink La France, 3-inch pots..... 6.00 "

Come Quick. **NANZ & NEUNER, Louisville, Ky.**
Address.

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Now is the time to plant Dahlias

Largest and most complete collection in the world. We can still supply our complete catalogue collection. Send for our illustrated descriptive trade list.....

W. P. PEACOCK, Dahlia Specialist, Atco, N. J.

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Primroses. Asparagus.

Chinese, 2-in. pots, July.....\$2.00 per 100
Oboonica, alba and roses..... 2.00 "
Forbesi, "Baby"..... 2.00 "
Smilax, 2-in. pots..... 1.00 "
Sprenger, 2-in pots.....\$2.00 per 100
Plumousus Nanus, July..... 2.50 "
Brides and Maids..... 3.00 "
Geraniums..... 2.00 "

CASH, PLEASE.

JOS. H. CUNNINGHAM, - - Delaware, Ohio.

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ORCHIDS.....

Arrived in fine condition—Cattleya Citrina, Epidendrum Nemorale, E. Vitellinum Majus, Odontoglossum Citrosimum, O. Maculatum, O. Reichenheimii, Oncidium Cavendishianum, O. Ornithorhynchum, O. tigrinum unguiculatum, O. varicosum Rogersii, Phalaenopsis Amabilis and P. Schilleriana. Write for prices.

Lager & Hurrell, Growers and Importers... Summit, N. J.
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BEGONIA GLOIRE DE LORRAINE

Strong, 2-inch pots, JULY DELIVERY
\$15.00 per 100; \$140.00 per 1000

J. H. REBSTOCK, 586 Main Street, BUFFALO, N. Y.

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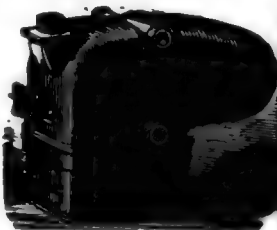
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The Best Varieties of 1902.
All the Standard Varieties.

Send in your orders for Field Plants now.

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PIPES, FITTINGS AND VENTILATING APPARATUS
Send Four Cents for Catalogue
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1000 Yellow Eaton!

25c each, \$2.50 per doz., \$15 per 100. Fine strong healthy plants out of 2 1/2-inch pots...

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LOW PRICE! QUICK PROFIT! The Anna Foster Fern.

Small 3 to 4 frond plants \$10 per 100, \$80 per 1000. Beautiful plants cut from bench at \$35, \$50 and \$75 per 100. Pot plants, 3-in., \$20 per 100; 6-in. \$1, 7-in. \$2, 8-in. \$3 each. 10,000 KENTIA PALMS
L. H. FOSTER, 45 King St., Dorchester, Mass.

GERANIUMS S. A. Nutt, Bruanti, best double Pink and White, first-class stock, 4-in., \$6.00 per 100.
VINCOAS, extra strong, long vines, \$3.00 per 100.
CANNAS, mixed, 4 in., fine \$6.00 per 100.
SINGLE PETUNIAS, Dreer's, out of 3-in., \$3 per 100
COLEUS, from pots, standard sorts, \$2.50 per 100.
VIOLETS, 2 1/2-in. pots, M. Louise, Imperial, Swanley White and Campbell, \$25.00 per 1000.
CRABB & HUNTER, Grand Rapids, Mich.

Good Fortune is the Chum of Opportunity.

This is your chance to lay in a stock of Godfrey Aschmann's tip-top *Araucaria Excelsa*. Do it now and they will help to fill your treasure box; they will be growing into money for you while you're asleep. We are headquarters for this great favorite among decorative plants. Our houses are full of choice April importations—no seedlings—raised in Belgium from top cuttings only. Here is my very lowest quotation. Who can beat such stock as I offer for the money?

2½-in., 2 to 3 tiers, 8 to 10 in. high.....\$0.50 each
5½-in., 8 to 4 " 10 to 12 "60 "
8½-in., 8 to 4 " 13 to 15 "75 "
11-in., 4 to 5 " 16 to 18 " 80c, 90c, 1.00 "

Kentia Forsteriana—4 years old, 30 to 36 in. high, 5½ in. pots, 75c to \$1.00 each.

Ficus Elastica—Imported, 4-inch pots, 25c each.

Cash with order please. Goods travel at purchaser's risk only. Please state if with or without pots.

Wanted to Buy—Boston Ferns for cash.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants,

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SPECIAL JULY OFFER

GERANIUMS—The following superb bedders: Alp. Ricard, E. G. Hill, Jean Vland, B. Poitevine, Mme. Buchner, strong, 2½-in., \$2.00 per 100; \$20.00 per 1000. We can also supply **PETUNIAS**—(10 varieties, dbl. fringed), **FUCHSIAS**—(4 leaders), **FEVERFEW**—(Little Gem), **MARGUERITE**—(yellow), **AGERATUM**—(P. Pauline), strong, 2½-in., \$1.50 per 100. **ALYSIUM**—(Dbl. Giant), **VERBENAS**—(15 mammoth varieties), \$1.00 per 100. **SMILAX**—(Ready July 15, 1903), 2½-in., \$1.25 per 100.

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SPRINGFIELD, ILL.

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VEGETABLE PLANTS!

Cabbage—Danish Ballhead, per 10,000, \$8.50; per 1000, \$1.00. The best winter cabbage in existence. If you get plants from genuine Danish grown seed; I have very fine plants from seed of the best stock.

Celery—White Plume and Giant Pascal per 1000, \$1.00; per 10,000 lots, \$8.50. Transplanted very strong plants of White Plume, Golden Self-Blanching and Golden Heart, \$2.50 per 1000; 30c per 100.

LUDWIG MOSBAEK, So. Chicago, Ill.
8500 ANTHONY AVE.

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20,000 TOMATO PLANTS.....

Beauty and Champion, twice transplanted, large and strong, \$2.50 per 1000, \$10.00 for 5000, \$17.50 for 20,000.

CELERY—G. Pascal, strong, \$1.25 per 1000. A few hundred **ASTERS**—Semple's white and lavender, 30c per 100.

COSMOS—Giant, large white and pink, 50c per 100. Cash with order.

F. GRISWOLD, Worthington, Ohio.

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THE STANDARD,

The lightest running, most rapid and powerful Ventilating Machine in the market.

The DUPLEX GUTTERS,

Made of wrought or cast iron, with self-adjusting sash bar clips.

The only DRIP PROOF GUTTERS made.

Send for catalogue—free.

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Violet and Rose Foil a Specialty.

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We have special low prices to offer, and can save you money on

Galvanized Wire Rose Stakes.

Write us for price before ordering elsewhere. Also Model Extension Carnation Support.

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(REGISTERED)

Greenhouse Fumigating Powder

Is the newest and best article on the market to-day for the complete destruction of all insects that infest Greenhouses or Conservatories; being a special boon to Rose and Beauty growers and prepared particularly for the destruction of **Greenfly** and **Thrips**. There is nothing injurious in it to plant life, even the most delicate fern. It is especially recommended for Beauties, Roses, Carnations, Chrysanthemums, Lilies, Smilax, Asparagus, Palms, Ferns, etc., and we claim that insects will be entirely eradicated when the houses are thoroughly fumigated with the powder. It is put up as follows:

1 lb. Tin Can.....\$.25
5 lb. Tin Can..... 1.00
25 lb. Sealed Box..... 4.50
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Send for copy of testimonials. For reference we refer to Messrs. Bassett & Washburn, Hinsdale, Ill. Prepared by the Lilly-Lilly Chemical Co. and sold by

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of all seedsmen.

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Small Portable Greenhouse.

For growing young plants. Glazed with our patent Flexible Glass. Folds like a map. Very compact. Can be shipped by mail or express. Size 9x12 inches. Price \$2.50. Other sizes in proportion. Weight of No. 1, 13 ozs. For particulars address

FLEXIBLE GLASS MFG. CO.,
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CUT FLOWER BOXES.

WATERPROOF. Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No. 0....3x4 x20..	\$2.00 per 100;	\$18.00 per 1000
" No. 1....3x4½x18..	1.75 "	15.00 "
" No. 2....3x8x18....	2.00 "	18.00 "
" No. 3....4x8x18....	2.40 "	22.00 "
" No. 4....3x8x24....	2.75 "	25.00 "
" No. 5....4x8x22....	3.00 "	27.00 "
" No. 6....4x8x28....	3.75 "	35.00 "
" No. 7....6x18x20....	5.50 "	53.00 "
" No. 8....3x7x21....	3.00 "	29.00 "
" No. 9....5x10x36....	6.50 "	60.00 "

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

The Livingston Seed Co., Columbus, O.

Box 104.

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THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

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334 Dearborn Street, Chicago.

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Entered at the Chicago post-office as mail matter of the second class.

This paper is a member of the Chicago Trade Press Association.

INDEX TO ADVERTISERS.

This index covers only those having displayed advertisements. There is a host of others making offers in our classified ads. and they will be found there under their proper headings.

Allen, J. K.	216	Hicks & Crawbuck	217
Amling, E. C.	211	Hill Co., E. G.	230
Aschmann, Godfrey	233	Hippard, E.	233
Baker, W. J.	215	Hitchings & Co.	232-34-36
Ball, C. D.	217	Holton & Hunkel Co.	219
Barnard & Co.	201	Hunt, E. H.	202-18-33
Bassett & Washburn	218-28	Igoe Bros.	233
Bayerdorfer & Co.	202	Jacobs & Son	234
Beach, D. S.	231	Johnson & Stokes	215
Beckert, W. C.	213	Jurgens, Aug.	219
Beneke, J. J.	220	Kasting, W. F.	201
Bentley & Co.	218	Kellogg, Geo. M.	229
Berger, H. H. & Co.	202	Kennicott Bros. Co.	201
Bernheimer, E.	215	Kentucky Tobacco	234
Berning, H. G.	219	Kramer & Son	235
Bobbin & Atkins	230	Kreshover, L. J.	217
Bonnot Bros.	216	Kroeschell Bros. Co.	236
Bowe, M. A.	220	Kuehn, C. A.	219
Bradshaw & Hartman	216	Kuhl, Geo. A.	229
Brague, L. B.	217	Lager & Hurrell	232
Brant & Noe	215	Lange, A.	220
Breitmeyer's Sons	220-29	Larkin Soap Co.	235
Brod, J.	231	Lecakes & Co., N.	217
Bruns, H. N.	218	Lehde, J. G.	231
Buckley Plant Co.	233	Limbach, O.	236
Budlong, J. A.	214-18-28	Livingston Seed Co.	233
Burpee, W. Atlee & Co.	213	Loomis Floral Co.	231
Caldwell Co., W. E.	234	Lord & Burnham	236
Caldwell The Woodsman Co.	215	Ludemann, F.	230
California Carnation Co.	213	McConnell, Alex.	220
Century Flower Shop	220	McCullough's Sons	219
Chapin Bros.	221	McManus, James	216
Chicago Carnation Co.	201	McMorran & Co.	234
Clarke Bros.	221	Manhattan Supply Co.	211
Clarke's Sons, David	221	Michigan Cut Flower Exchange	219
Classified Ads.	222	Millang, O.	216
Cottage Gardens	217	Moninger Co., J. C.	235
Cowee, W. J.	218	Moon Co., W. H.	221
Crabb & Hunter	232	Moore, Hentz & Nash	216
Crowl Fern Co.	217	Mosbaek, L.	235
Crooke Co., J. J.	233	Moss, Isaac H.	217
Cunningham, J. H.	213-32	Muno, John	218-28
Dearborn Engraving Co.	217	Murphy, Wm.	219
Dickinson Co., Albert	213	Nanz & Neuner	232
Dietach, A. & Co.	235	National Florists' Board of Trade	217
Diller, Caskey & Co.	234	National Plant Co.	229
Dillon, J. L.	228	N. Y. Cut Flower Co.	216
Dillon Greenhouse Mfg. Co.	236	Niessen, Leo	215
Dorner, F. & Sons Co.	231	Park Floral Co.	220
Dreer, H. A.	235	Parker-Bruen Co.	235
Dunne & Co.	202	Peacock, W. P.	232
Eickholt, Mrs. Chas.	220	Pennock, S. S.	214-31
Ellis, F. M.	219	Perkins, J. J.	217
Flexible Glass Mfg. Co.	233	Philadelphia Wholesale Flower Market	217
Florists' Hall Asso.	229	Pierce Co., F. O.	233
Foley, J. J.	216	Pierson, A. N.	232
Foley Mfg. Co.	235	Pierson Co., F. R.	201-2
Foster, L. H.	232	Pierson-Sefton Co.	236
Garland, Geo. M.	236	Pittsburg Cut Flower Co.	215
Garland, Frank	218	Plant Seed Co.	213
Gasser Co., J. M.	220	Poehlmann Bros.	218-28
Geller, Sigmund	202	Pollworth Co.	231
Ghormley, W.	216	Quaker City Machine Works	236
Giblin & Co.	236	Randall, A. L.	218
Gibbons, H. W.	236	Rawlings, E. I.	216
Griswold, F.	233	Rawson & Co.	213
Gude & Bro., A.	229	Rebstock, J. H.	232
Gullett & Sons	229	Reed & Keller	202
Guttman, A. J.	217	Regan Ptg. House	233
Hammond, J. A.	216	Reid, Edw.	215
Hancock, Geo. & Son	232	Reinberg, Geo.	201-18
Hauswirth, P. J.	220	Reinberg, P.	218-29
Heacock, Jos.	229	Rice, M. & Co.	202
Herr, A. M.	215	Riedel & Spicer	216
Herrmann, A.	202	Robinson & Co.	215
		Rock, W. L.	220
		Roehrs, Julius	231
		Rupp, J. F.	221
		Ryerson, U. C.	231
		Salter, W. H.	215

Sampson, Wm.	217	Thorburn, J. M. & Co.	215
Samuelson, C. A.	221	Tobacco Warehouseing & Trading Co.	233
Sando, W. B.	229	Traendly & Schenck	217
Schiffmann, R.	230	Vesey, W. J. & M. S.	231
Schluraff Floral Co.	215	Vincent, Jr. R. & Son	230
Schmitz, F. W. O.	202	Virgin, U. J.	220
Scollay, J. A.	236	Wagner Park Conservatories	230
Scott, John	230	Weathered's Sons	236
Scott, W.	220	Weber, F. C.	220
Seattle Floral Co.	220	Weber & Sons	231
Sheridan, W. F.	216	Weiland, M.	220
Shibele, J.	230	Weiland & Risch	218
Siebert, C. T.	235	Whitton, S.	231
Siebrecht & Son	230	Wiegand & Sons	220
Sievers & Boland	218	Wietor Bros.	218
Sinner Bros.	218	Winterson Co., E. F.	229
Skidelsky, S. S.	231	Wittbold Co.	230
Smith & Son, N.	231	Wilks Mfg. Co.	234
Smith Co., W. & T.	231	Young, John	216
Sprague Smith Co.	236	Young, J. W.	229
Stern Co., J.	202	Young & Nugent	216
Stewart, S. B.	220	Zirngiebel, D.	231
Stump & Walter	213		
Swanson, Aug. S.	220		
Thomas, V. H.	216		

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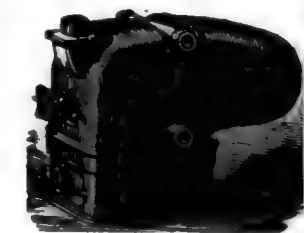
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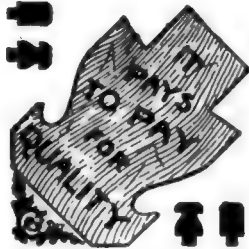
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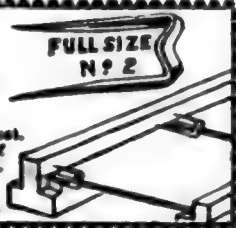
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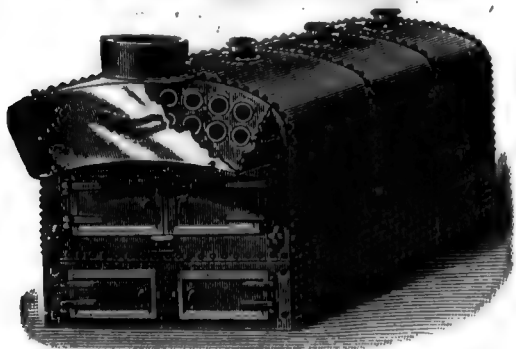
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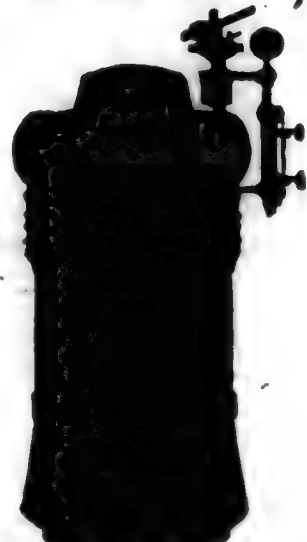
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Vol. XII.

CHICAGO AND NEW YORK, JULY 9, 1903.

No. 293.

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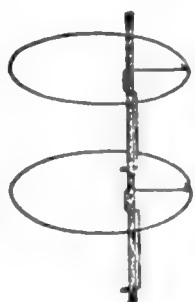
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By C. W. WARD.

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MISCELLANEOUS SEASONABLE HINTS.



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Palms burn easily, either under poor glass or when allowed to get dry, so they are always shaded under glass, but a heavy shade is not what they really should have. The ideal shading would be one that you could apply during the bright, sunny hours of the day and remove, say, at 4 p. m. and not use at all on dull, rainy days. Few commercial florists, however, have such conveniences, and the best that they can do is to have just shade enough on the glass to keep them from burning, with all the ventilation possible, day and night. While we have settled warm weather, and if the water passes freely through the soil, it is very unlikely that you will ever over-water them. Plenty of syringing is both natural to the palms and keeps the atmosphere humid.

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Anyone who does many decorations in churches, halls and other places and for various occasions is sure to find on his hands at this time of year, a lot of shop-worn palms. I don't advocate extravagance, but you all know that a kentia that has only two perfect leaves left and four or five that are fringed, tattered and torn is no longer any credit to your decorations, and with the best of care and encouragement to grow it will take two years before it is a plant fit to use again, and the room it will occupy and the labor entailed in its care amount to far more than the cost of a perfect plant. Also, there is the upsetting of the "piece of mind," which by no means "passeth our understanding," for we know full well the miserable moments we have endured while looking over some scrubs that should have been on the fire heap. So I say, don't hesitate to throw away what is not going to be of use to you

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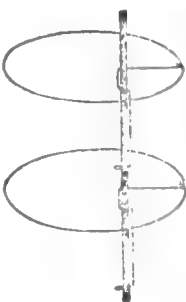
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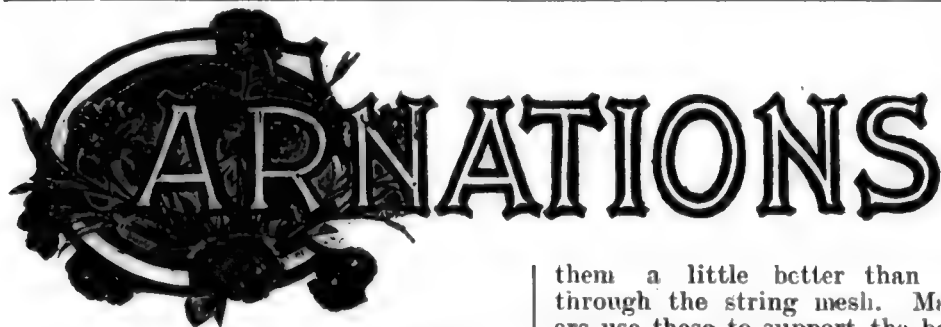
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add a tenth of its bulk of good bone dust.

Large palms, except the arecas, can be put out of doors, but I am aware that I am late in speaking of that. If you want a tall, long growth, you won't get it by putting the plants outside for the summer months, but if you want a sturdy, hardy growth that will stand rough usage, then outside for three months is the place. A soft growth of a kentia or latania will burn in the sun

and quickly if the plants are neglected for water, but those that have grown through one summer outside and have been kept moderately cool during the winter will not burn, and a few months in the open air gives them a hardy growth. If the tubs can be plunged in, or surrounded with some material to keep the sun from drying them out, so much the better, but faithful attention to watering is the chief thing.

WILLIAM SCOTT.



CARNATION NOTES—WEST.

Early Planted Stock.

Those carnations that you planted from pots will need attention right along now, and you must look after them closely. We have been having some nice growing weather up to now and the young plants have had an opportunity to get a good hold in their new quarters.

In hot, summer weather, you must do all you can to keep the houses cool. In the house where we have our Lawson planted this year, we have side ventilators on one side and on the other side there is a row of glass below the plate, and out of this row we take every third pane. You would be surprised what a difference these side ventilators will make in a house, especially if the house is a wide one. I would not think of building a carnation house without side ventilation, and in fact they are a benefit to almost any crop, during the summer months.

After you weed the benches, you should stir the soil, and if it is rather light it will be well to tramp it down solid. Our soil is heavy enough without it. After tramping, level it, and put on a mulch of some light material to help keep the moisture in the soil. Some very old stable manure is just what you want for this, and put it on about a half inch thick. Do not shade the glass above these plants at all, but keep the ventilators up and dampen the walks during the day.

Top the plants as they need it, just the same as you do those in the field. Mrs. Lawson will not produce a stem that is worth considering before October, and so it is energy wasted to allow it to bloom before then. Some other varieties will throw longer stems, and these may be allowed to bloom as soon as you have a fair sized plant, but get your plant first and the bloom will surely follow.

I do not like putting on supports this early, nor do I think it at all necessary if you look after the topping properly. Every plant ought to be able to stand up straight while there are no blooming shoots, and it will, too, if you top it before the shoots become long enough to lie over of their own weight. If you do want to put on supports, I would advise using some kind of a wire support. There will yet be needed much weeding, stirring and mulching, and other work, and you can get between

them a little better than you can through the string mesh. Many growers use these to support the body of the plant and the string mesh to support the flower stems during winter, and it is not a bad way, either.

If any of the plants die out from stem-rot, or some other disease, burn them up as soon as you see them. Remove the soil they were planted in and refill with fresh soil before you set another plant, of which you of course, saved some after you finished planting. Do not syringe the plants in the evening, as that will bring on rust; in fact, any time when they would not dry off readily it is ill advised to syringe them.

A. F. J. BAUR.

CARNATION NOTES—EAST.

Lime in Bench Soil.

The value of lime, when intelligently employed, can hardly be overestimated. If we could afford to have our soil analyzed, the matter of soil preparation, as regards the proportion of fertilizing elements to be added, would perhaps be much simplified; but even then I question the advantage, as constant changes take place in the soil, both chemically and mechanically, as soon as the plants are benched. This would require an analysis at frequent intervals, causing much extra labor.

Looking into the lime question, we find that it has the property of correcting acidity of the soil which may perchance occur from the frequent watering necessary in housing early. It has also the property of rendering stiff soil more friable, as well as making sandy soil more compact, and from this fact I am inclined to the opinion that where we see equally well grown plants in heavy, clayey or light, sandy soils, it is due to the presence or addition of lime.

When a plant affected by stem-rot arrives at the last stage of the disease, or what I call the point of contagion, there is present in the stem at the rotting point a condition of acidity which can be easily proved by test with blue litmus paper. Whether this acidity has anything to do with the spreading of the disease, I am not prepared to state, but the prompt removal of such plants and the immediate use of lime as advised in my notes of last week, has in my experience proved an advantage both in field and bench. Its greatest value in the bench is its effect on latent or unavailable nitrogen, potash and phosphoric acid present in the soil. Its action hastens the digestion or transformation

of these ingredients into a form easily taken up by the plants.

Some soils contain more lime than others, but with the addition of the various fertilizers we employ and its confinement under glass, heated and watered artificially, the use of lime becomes practically an absolute necessity for the production of up-to-date stock. I use the ordinary air-slaked lime, sprinkling a light coat over the soil as soon as a bench is filled, afterwards raking it in thoroughly. I would advise using a less quantity on sandy than on heavy soil.

Shading.

If you have not already shaded your houses preparatory to planting in, try the plan of using whiting and water mixed to the consistency of milk and apply with syringe or brush. It will not be washed off until you so desire and then the hose will easily remove it gradually, which is best for the plants; it also looks neater and is cleaner than mud wash besides being more in keeping with present progressive methods.

GEO. S. OSBORN.

CHRYSANTHEMUMS.

Novelties.

Some of the new varieties that were benched early are making very fine growth, and, from present indications, some record breaking is under way for this fall. The cool and moist weather that we have been experiencing of late is very favorable to the rapid growth of the plants, but it is well to keep the roots on the dry side in such weather, because a too rapid growth is not what is wanted, but a slower, firmer, harder growth. Still, we generally get plenty of sun during July and August, and one need not worry yet because his plants are running up long-jointed.

It is a striking evidence of the renewed popularity of the chrysanthemum, from an exhibition standpoint, that there are more novelties under trial this year than ever before in the past ten years. It is always the new things that people crave, and the man who caters to this craving is the man who makes the money. We must keep raising and importing new varieties anyway, because about two years seems to be the average life of a variety nowadays.

Of the novelties disseminated this spring, Liger, Columbia, Richardson and Convention Hall are the best looking of the American varieties. Liger can hardly be called an American, since it was raised in France, but E. G. Hill calls it an American by adoption, in which respect it resembles so many of its growers that we may let it go at that. I don't know that I ever saw a more even stand of plants than is a large batch of this variety at the present time. Clean, kind and healthy, it looks like the ideal commercial pink. Columbia and Richardson, two other new pinks, are both exceedingly nice, but in growth they cannot compare with Liger. Richardson is at present a little thin in the foliage, but will doubtless harden up as the weather gets hot.

Of the imported novelties F. S. Vallis is at present one of the best. It won great fame in England last year and it lives up to its description as an improved Yellow Carnot without the defects of that variety, it will indeed be a fine thing. Mme. Cahwzac looks like

making a "sky scraper," for it is growing at the rate of several inches a day. Personally I do not care for that kind of variety. Too often the flower lacks finish and form, but we will not yet condemn it. Mrs. Geo. Mileham, a lovely pink that did nothing much last year, is so far making a very nice growth and may redeem itself this time. Lord Salisbury and Mrs. Thirkell are both making fine wood and we have great faith in them.

Two varieties that are doing nothing worth speaking about are Parkside Gem and Daisy Moore. Still, novelties are a gamble anyway and they may be doing better elsewhere. We might get rich if we had all prizes in our lottery, and that would be an unnatural condition for a florist.

There seem to be complaints from several quarters this year that some varieties are running all to buds, instead of going up with a clean, straight shoot. While this is a nuisance, the plants will, if treated right, come out of it. In the case of varieties that are very persistent in bud throwing, the only thing to do is to cut them right down. Keep the roots on the dry side until a new growth appears through the ground, and this growth will run right along without any further trouble.

Where the variety is not too badly affected, by keeping the buds closely picked off and keeping well sprayed with water, a good growing shoot can eventually be obtained. Personally I have never had this trouble to contend with (saving in the case of Vivand-Morel, which couldn't grow kind if it tried), but I have always argued that it was due to a check the plants received, either being pot-bound, or a sudden transition from a warm temperature to a cold one, or else a premature ripening of the young shoot caused by lack of water. Right conditions and remembering that the mum, like any other young plant, should be moved along constantly without a check in any form, will, I believe, obviate troubles of this kind.

BRIAN BORU.

NAME OF FERN.

I send herewith a specimen frond of a fern, the name of which I should like to learn.

The fern frond in question is one of the adiantums, possibly *A. pedatum*, but owing to the fact that the frond is not entire, a portion of it having been broken or cut away, and also because it is totally without spores, a positive identification is very difficult. There is frequently a great difference between the sterile and the fertile fronds of the same fern, and a specimen for identification would better be a full grown fertile frond, for the arrangement of the spores on the leaf has much to do with the classification of these plants. It would also be of much assistance to know something of the history of the plant in question, as to where it originated and some of its chief characteristics.

W. H. TAPLIN.

A NEPHROLEPIS.

I enclose a frond of a fern which was sent me several years ago from the South Pacific. Will you please tell me its name? I find it very valuable for cutting, as it lasts even longer than the Boston fern. It grows rapidly and one little plant will make from three to ten



John T. Temple.

President Society of Iowa Florists.

in one year. Is it something new and of what value is it to the trade?

SUBSCRIBER.

The fern in question is *Nephrolepis cordifolium*, also known as *N. tuberosa*, and is quite widely distributed throughout the tropics, not only in the Pacific region, but also in tropical America. It is an excellent fern, of free growth and good form, soon making an admirable pot specimen, but the Boston fern seems to be more popular, where both have been offered. Seedlings of *N. cordifolium* have been found growing around cycas stems that were imported from Japan, thus showing that this fern was sufficiently common there to scatter its spores freely on the cycas before the latter were shipped to this country.

W. H. TAPLIN.

SOCIETY OF IOWA FLORISTS.

At the call of Wesley Greene, state vice president of the S. A. F., a meeting was held in the rooms of the State Horticultural Society in the capitol at Des Moines Wednesday, July 1. The purpose of the meeting was the organization of the Society of Iowa Florists, and this was accomplished by adopting a constitution and by-laws and the election of officers as follows:

President, John T. Temple, of Davenport; vice president, R. L. Blair, of Des Moines; secretary, Wesley Greene, of Davenport; treasurer, G. A. Heyne, of Dubuque; directors, Judson Kramer, of Cedar Rapids; E. C. Keck, of Washington; J. F. Wilcox, of Council Bluffs; J. C. Rennison, of Sioux City.

Others present were Mr. Olson, of Ames, and John Lambert, of Des Moines. A committee was appointed to meet with the State Horticultural Society in De-

cember, to suggest a revision of the premium list for next year's State Fair. Sufficient encouragement has not been given to the florists to compete for awards in the horticultural department of our State Fair for a number of years. The amount of premiums offered does not cover cost of material needed for floral designs, not to mention time and skill employed in their construction and transportation.

After an informal discussion of plans for the advancement of floriculture throughout the state and for a closer business and social relation between the members of the trade, adjournment was had to a meeting which it is expected will be called some time during the S. A. F. convention at Milwaukee. G. B.

ROSES.

Treatment of Beauties.

To lay the foundation of young Beauty stock for fall and winter blooming the young plants require particular care and attention during the first two months after benching. During this period of growth their wants require careful studying and no hard and fast cultural rules can be adhered to. The attending conditions, such as quality of soil, water, aspect and situation of the house, and climate, all have to be taken into due consideration. The sudden changes to which our climate is subject is one of the most annoying phases of Beauty growing.

During very hot weather, which we may now expect, young Beauty stock, if in a healthy condition will require copious supplies of water, and if the drainage is perfect, as it ought to be, there is little danger of overwatering. Syringing will also have to be practiced

frequently, the young tender leaves at this season being very subject to the attacks of red spider.

Because of these frequent drenchings the soil will require frequent stirring in order to keep it open and friable. If the weather becomes cloudy and unsettled, great care will be needed not to get the foliage too soft, as this may lead to an attack of black spot. This can be obviated to a great extent by judicious care in watering and ventilating.

Care in watering consists in a thorough examination of the soil in the benches before applying the hose, and watering those spots which are dry before the general watering, so that the whole of the bench may be equally moist. After the bench is satisfactorily watered the syringe should be applied. Any effort to perform both of these operations at one and the same time, as is frequently attempted by the inexperienced can result in nothing but disaster, as neither operation can be performed satisfactorily in this manner.

If black spot makes its appearance the benches should be gone over daily and all affected leaves picked off and burned. Neglect or carelessness in this matter, especially during dark weather, when the disease spreads most rapidly, will soon cause a lot of damage if it does not entirely ruin the stock.

When the young growths have attained a length of fifteen or eighteen inches, and are forming buds, they should be cut back, taking off three or four of the topmost eyes. This will divert part of the strength into the lower eyes, causing them to break and form a more bushy plant.

There being nearly always a demand for Beauty buds, the temptation to market these as early and with as long stems as possible is frequently the cause of giving the young plants a stunted habit, from which it takes them a long time to recover. Denuding the plant of so much of its breathing apparatus causes a check in its growth, the wood hardens and ripens prematurely and there it remains till cool weather sets in. Beauties, to give good results in winter, should not also be expected to give a large cut during summer or early fall.

RIBES.

TROUBLE IN ROSE HOUSE.

Kindly give me information in relation to a disease or difficulty of some kind, formed on the buds in my rose house. The plants are growing nicely. I have some American Beauties, Brides, Kaiserins, Maids, Carnots and Perles. The Beauties are particularly affected with a deformity of the bud. The Kaiserins, Brides and Maids do not seem to be deformed so much, but all have a fringe of wilted and dry petals as they come into bloom. I send some samples under separate cover.

W. L.

The specimen buds and leaves give evidence of having been grown on a bench with defective drainage. Under the microscope the buds show that they have recently been infested with aphids, some of them containing the bodies of these insects in their black form. Thrips also have been at work. This is what causes the crumpled appearance of the Beauty petals. The best remedy at this season is light and persistent fumigating early in the morning with tobacco smoke. Care in watering and ample ventilation are also required. For the mildew which I also observed on the

foliage a remedy will be found in the REVIEW of July 2, under reply to L. H. C., page 204.

RIBES.

C. J. OHMER.

The newly elected president of the Cincinnati Florists' Society is the youngest president the society has ever had, being but 24 years old. He was born near Cincinnati in 1879, but later lived at Dayton, O., until he removed to Cincinnati, in 1892. When his uncle, E. G. Gillett, started in the wholesale cut flower commission business for himself in 1896, Mr. Ohmer was given a position



C. J. Ohmer.

which he has since held. The business prospered, and at the present time is one of the largest strictly wholesale commission businesses in Ohio. Mr. Ohmer is the grandson of Nicholas Ohmer, the well-known horticulturist of Dayton, Ohio, whose recent death was chronicled in these columns.

BEGONIA GLOIRE DE LORRAINE.

H. W. W. recommends cultivators to pinch out the points of the growth and afford the plants cold frame treatment, with a free circulation of air day and night during the summer and early autumn. In my experience, I have unfortunately found that these begonias resent such treatment. The constitution of the plants gets weakened, and they soon become infested with thrips and disease. The secret of growing these plants well is to do so quickly in a warm moist atmosphere, from the time the cuttings are put in, until the flowering period. In the first place, procure healthy cuttings. For very early propagation, leaves with about an inch of stem may be dibbled into cocoanut fiber, and shaded from sunshine; these will soon emit roots, and each leaf will produce two or three growths. Insert these when

large enough, as they are better cuttings than can be taken from the base of the old plants during the winter. Then apply water and plunge the pots to the rim in cocoanut fiber in a propagating-case, having a bottom heat of about 75 to 80 degrees. In about three weeks the cuttings will have rooted, when they may be gradually inured to a cooler position near the roof glass.

The plants should be shifted on into three-inch pots before they become pot-bound, using a compost of three parts good fibrous loam, one part leaf-soil, and the remaining part of fine crushed charcoal and coarse sand. The soil made use of at the final potting should contain a fair quantity of dried cow-manure and the loam and charcoal should be used in a rougher state than in the case of the earlier potting. Do not pot too firmly, or the growth will be stunted; nor use too large pots when repotting, but afford thorough drainage. Afford water sparingly until the plants are well rooted into the fresh soil, then may be used abundance of stimulants. Clay's fertilizer, with alternate doses of liquid cow and sheep manure, and occasional applications of soot-water, are as good as any that can be used.

A low span-roofed house or pit, having a temperature of about 65 degrees, allowing the thermometer to run up with sun-heat, will suit them well; by closing the structure early in the afternoon during summer, very little or no fire heat will be needed. Freely syringe the plants with rain water, and shade them from strong sunshine. Under such treatment plants rooted during March and April, and potted-on to 16 or 24-sized pots, and kept in such a congenial atmosphere that not the slightest check to growth is ever experienced, will by the autumn produce plants 3 feet in height and 3 feet through. Plants for flowering in small pots should be propagated during May and June. I find it more difficult here to obtain height than width. The growths should never be stopped, but the flower buds must be pinched off until the plants are required to bloom; grown thus, thrips or mites will never make their appearance. I have an idea (I am aware some readers will say an erroneous one), but I am writing from close personal observation and experience, that these plants and similar subjects, such as poinsettias for winter-flowering, grown on this rapid system of cultivation will keep the plants in vigorous growth from first to last, and give them a strong constitution which will enable them to survive and last a longer time in perfection when placed in rooms or in a cold conservatory. It is a question of constitution, rather than one of affording the plants cool treatment during their growing season.—John Fleming.

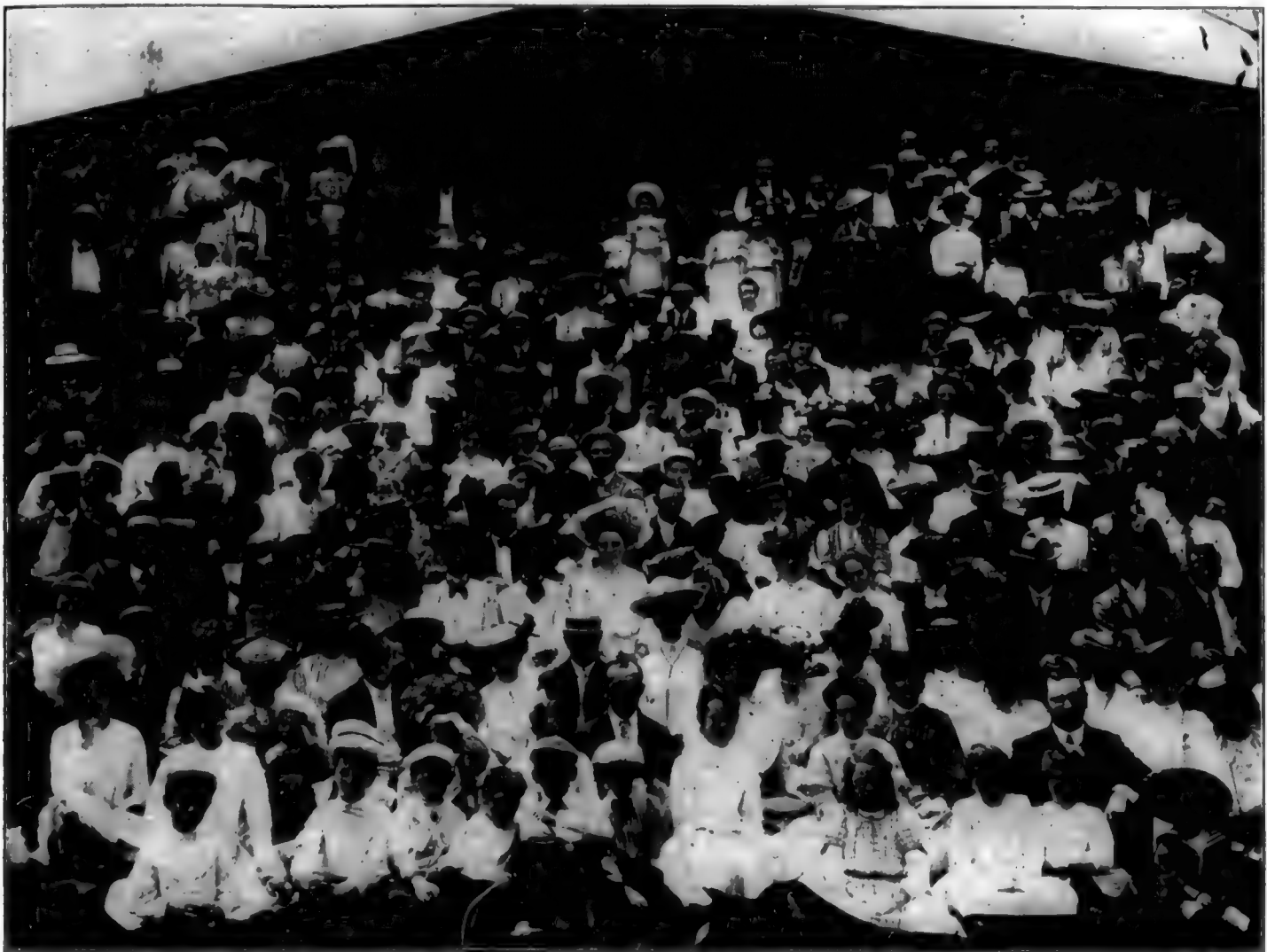
[Our correspondent has exhibited the finest plants of this begonia we have seen this season.—Ed.]—Gardener's Chronicle.

CAPACITY OF BOILER.

What is the capacity of an upright boiler five feet high, 25 inches inside diameter, with 50 1½-inch flues? How many feet of 2-inch pipe would it heat with hot water? How many feet of 2-inch pipe will be required to heat a house 20x100 feet to 50 degrees in zero weather?

W. J.

The approximate heating capacity, with hot water, of the boiler described



New York Florists' Club on Its Annual Outing, July 1, 1903.

by W. J. is about 2,000 lineal feet of 2-inch pipe. For heating a house 20x100 feet with glass on roof and ends only, about 1,300 lineal feet of 2-inch pipes will be required to maintain 50 degrees easily in zero weather.

HENRY W. GIBBONS.

GRAFTING TREE PEONIES.

There are many methods adopted in the propagation of the tree peony, says a writer in the *Gardening World*, but none prove more satisfactory than that of grafting, using the herbaceous type as the stock. The two species best adapted for stocks are, undoubtedly, *Pæony alba* and *P. officinalis*. Those who intend to propagate their own peonies, and everybody should, should obtain a strong batch of either of the two above-mentioned species. If old plants of the herbaceous peony are growing in the garden they may be divided if only a few stocks are required, but where a quantity are to be worked it is better to sow seed in frames as soon as it is ripe. The scions being put directly on to the roots, it is essential to obtain sound, healthy roots, and therefore careful attention should be given to their preparation. The soil in which the tubers are produced should be rich and light in order to induce the production of plump, fleshy growth. About the first week in August take up the tubers, and select the finest pieces for stocks, taking care to remove all buds that may develop. The scions should be made from young shoots that have not flowered. Cut them off at a joint, and then cut them to a wedge shape, and having taken a piece from the tuber, fit in the prepared scion exactly and carefully, and surround

the union with wax or clay. Be sure to put in the scion as soon as the wedge is cut, as if it is allowed to dry even slightly failure is courted. After the grafting is complete plant the tubers in frames, so that the union is just below the surface. If done carefully the plants will be fit for removing the following spring.

AMOUNT OF PIPE.

I have two houses 18x52 feet, with no glass in the side walls, which are four feet high. I want to grow carnations and general stock. How many feet of 2-inch pipe will be required; using a coil boiler and hot water? The outside temperature sometimes goes as low as 15 degrees below zero?

D. K.

For heating the two houses containing about 2,250 feet of glass exposure, 1,200 lineal feet of 2-inch pipes will be required, in connection with hot water heat, for maintaining a 55 degree temperature with the outside temperature 15 degrees below zero.

HENRY W. GIBBONS.

NEW YORK.

The Market.

The long-delayed hot wave came in with the club's outing last Wednesday, and now comes the two weary months of insufferable humidity and unremunerative business. One might as well yield cheerfully to the inevitable and be satisfied. It was the same last year and every year since Adam's time, and will be the same year after year until all of us join the great majority. There is absolutely nothing but the departing

steamers and the decrease in population to relieve the market of its abundant shipments. The stock sent is excellent and plentiful, but, as one prominent wholesaler remarked, "there are no prices," and "the bottom is knocked out completely."

The Outing.

The New York Florists' Club's outing fulfilled all prophesies. The day was perfect and the affair an unqualified success. Even the elements were propitious. The day before was wet and the day after a perfect torrent of rain made havoc on the picnic grounds, but not a cloud interfered with the club's festivities. The attendance was far ahead of all previous outings, and the athletic competition was keen, interesting and well sustained to the very end. Unfortunately there was not time to roll the ten-frame game for the generous prizes offered by Mr. Raynor, and doubtless a special match will be bowled by the club members for these premiums later in the season. The dinner was satisfactory, and the steamer refreshments of every kind provided by the club committee were ample and excellent. There was enough and to spare. The general comment was to the effect that the club had maintained its reputation for generous provision in every way. The committee was made up of workers, and many of them, especially Vice-President Traendly, have given weeks of time to the details that brought the affair to such a splendid conclusion. Harry Bunyard arrived from the west in time to do grand service, as usual, in the commissary department.

At the present rate of progress an attendance of 500 next year will have to

be provided for. These annual excursions are now a necessity. Each year lessons are learned and improvements indicated that make them more appreciated. There is room for 500 on the Isabel, and I prophesy an attendance of over this number in 1904. The sports for another year can be chosen with a view to more combined interest, so that all may enjoy every contest. This year it was as discouraging as Barnum's three-ring circus. Everybody wanted to see the ladies bowl, but the foot races and ball game were progressing at the same time, and in far distant parts of the grounds.

The tug of war is still theoretically unfinished, although the wholesalers have the spoils. Mr. McConnell's silver prizes and Mr. Beaulieu's pansy seed, however, are in good hands and next year the other fellows will get even. The "possessors" are big men and it will be a hard matter to induce them to "tug" it over.

The married men lost the ball game, much to the surprise of the other married men, who looked on and rooted for them. They were Messrs. Guttman, Joosten, Irwin, Hildebrandt, Sullivan, Schloss, Bishop, Turner and McDonald. The unmarried host were Manda, Birnie, Dean, Wallace, Scott, A. Schmutz, Bortman, G. Schmutz and Brown. The winners each received a fine knife as a token of their skill.

About fifty ladies participated in the five-frame bowling match and President Troy's prizes were well worth the struggle. Mrs. Koch won first honors with a score of 72 and chose a \$11 arm chair as her trophy. Mrs. Endgren (68) chose a handsome brass clock as second prize. Mrs. Thielmann (49) was third and also considered a good clock a necessity in the family as her husband is now practicing late and early for the contest at Milwaukee. The fourth prize, a \$10 kodak, went to Mrs. Guttman (49) and a \$7 hat was won by Mrs. Demeusy (47). Mrs. Vock won the sixth prize, a valuable silk waist, and Mrs. Louis Schmutz, Jr., bowled "wisely," for the booby prize and with no score at all, secured a fine toilet set.

John Young's prize, a \$2.50 gold piece, for the fifty-yard race for boys under 8, was won by Willie Massmann. Charles Weathered's prize, a silver bracelet, for girls under 8, was won by Edna Hirsch. The J. V. Phillips prize, a \$2.50 gold piece, for boys' 75-yard race, under 11, was won by Lawrence Schenck. The Louis Rossow prize for girls under 11, 75-yards, a handsome doll, went to Jennie Ezekiel.

Frank Traendly's prizes for boys' 100-yard dash, consisting of base ball necessities, were won by George Kreckler and J. Reichert. Walter Sheridan's prize for girls' race, under 14, was won by Margaret Massmann. The boys' race, under 16, was won by Alex. Donaldson. The prize was given by William Elliott. Lion & Wertheimer's prize, a \$5 roll of their ribbon, for the girls' race under 16, was won by Agnes Birnie. The Florists' Exchange prize, a \$5 gold piece for the potato race, was won by Vivien Shaw.

L. J. Kreshover's prize, an automobile, for the egg race, was won by Alice Rose. The consolation prize, given by Charles Schenck, was won by his niece, Frieda Schenck, so the silk umbrella stays in the family. P. O'Mara's silver mirror went to Marjorie Birnie and A. A. McDonald's silk umbrella to Anna Manda. In the 75-yard dash for ladies' over 16 years of age, while David Mellis' specials, an umbrella and a ladies' reticule, were won by Mrs. Schloss and Mrs. Guttman, who ran a dead heat in record time.

The fat men's race was a strenuous affair and too close for weak hearts. Frank Traendly won the silk umbrella and J. B. Nugent was a close second and carried off the cane. About six participated. The ranks of the fat men are thinning. Some of last year's heavyweights are now under 200 and could not qualify. Traendly admitted afterwards that he would rather have won than have been left a million and both he and Nugent were going at a 2-minute gait at the finish.

The married men over 45 made a great fight for the \$10 rustic chair given by Dunne & Co. W. Trumpore, of J. H. Small & Sons, was an easy winner and ran like a two-year-old. J. V. Phillips made a gallant effort and came in second. The "also rans" were not many, but most of them showed they were good for twice 45 before their running days are over. Ford Bros.' fine prizes, a carved cane and silver fruit dish and pitcher for the running jump, were won by P. Meissner and Drew Scott. The Esler prize, 25 feet of hose, for the sack race, was won by John Daillidouze, son of Eugene, and a chip off the old block. It was no easy win, as it was run in relays and had to be won twice. Alfred Bunyard was a good second. This was the most amusing event of the day. The quarter-mile walking match was a struggle and Julius Roehrs' fine prizes were won by Drew Scott and Alfred Bunyard. Lager & Hurrell's prizes, a silk umbrella and a silver teapot, for the 22½-yard race, were won by Paul Meissner and Drew Scott.

The press bowling prize, John Birnie's volume of Burns, was won by a rank outsider, Wm. J. Stewart, of Boston, with a score of 55. Other scores were J. A. Shaw, 51; S. S. Butterfield, 44; Alex. Wallace, 41. The C. W. Ward prize, a copy of his new book, was won by Joseph Manda with a score of 126 in a five-frame bowling match. The scores were: L. Schmutz, 84;

L. Miller, 39; A. Demeusy, 31; Jaehs, 80; A. Schmutz, 77; G. Schmutz, 83; R. Irwin, 68; W. H. Stebrecht, 68; Bishop, 72; Bruchner, 16; J. Donaldson, 75; C. Smith, 18; J. A. Manda, 126; T. J. Lang, 81; T. Roehrs, 55; J. I. Thielmann, 63; E. Endgren, 69; P. J. Smith, 68; J. V. Phillips, 62; Turner, 56; A. J. Guttman, 50; A. Herrington, 46; A. Merritt, 58; A. D. Rose, 52; H. C. Steinhoff, 39; H. Dreyer, 37; A. Manda, 30.

The committee to whom credit is due for the success of the affair was F. H. Traendly, W. J. Elliott, D. T. Mellis, John Birnie, S. S. Butterfield, H. A. Bunyard and J. A. Manda.

Various Notes.

I may have been considered over-enthusiastic in my commendation of the re-organized Florists' Board of Trade, 56 Pine street, New York, but if you knew the president, Mr. Hayden, as well as I do, you would not be surprised. Much has been accomplished, and more will be, under his able direction. Old clients are returning to the fold and new ones are added daily. Prompt and efficient work is accomplished. There is no doubt of the necessity of such an organization, and it has come to stay.

Brooklyn is to have a florists' supply house at last, and everything in that line will now be handled by Hicks & Crawbuck, whose large building gives them excellent facilities, and whose popularity insures them a wide field. They expect to do a large shipping trade, and will extend their operations to every part of the country.

John A. Scollay, of Brooklyn, reports the building of four houses, 20x125, by Rowehl & Granz, of Hicksville, which they are heating with the Invincible boiler; also August Buckholtz, of Woodside, L. I., three houses, which they are building and heating. Mr. Scollay finds his new offices most convenient and his business growing rapidly this season.

The exodus to Europe continues. Herman Hart and wife, of Cleveland, were here on Monday on their way to Germany via the Crown Prince, on which they sailed July 7.

The holiday season is already developing. Louis Rossow, of Thos. Young, Jr.'s, Fifth avenue store, left for a two weeks' trip on Saturday to the Falls and Thousand Islands, and Manager Humphrey, of Thorley's started Monday evening for a ten days' business and pleasure outing at Bar Harbor. A good many are inclined to postpone their recreation trips until August, and make the Milwaukee convention a part of their annual holiday. The interest in the society's yearly celebration is growing, and the applications for sleeping accommodations on the special train are already encouraging. The West Shore has promised to make a record this year for speed and comfort, and shows due appreciation of the club's decision in its favor. Mr. Haffner is already busy with plans for the enjoyment of the conventionists, and will accompany them all the way and stay with them to the end. A delightful visit in Chicago is anticipated. Nearly all of the great wholesale houses of the east in every line of the trade will exhibit at Milwaukee.

Netschert, the artificial flower manufacturer, of 31 Barclay street, suffered an \$800 loss by fire last week.

John Kral, foreman for Moore, Hentz & Nash, will have charge of the firm's interests in the absence of Mr. Nash, who sails on Friday for England. His son, Sidney B. Nash, will preside at the office desk as usual.

Fred W. Kelsey, the nurseryman, and

family sailed on Monday last to visit England, Belgium, Holland and France.

The funeral services of the late Chas. Zeller took place last Wednesday in the Dutch Reformed Church of Flatbush. Many beautiful floral offerings were sent by his family, and his host of friends in the trade. Nearly all the prominent florists of Flatbush and Brooklyn and many from New York, Philadelphia and other cities were in attendance. Mr. Zeller will be greatly missed. His friends were legion; the respect and love he won was universal.

J. AUSTIN SHAW.

CHICAGO.

The Market.

Stock is seldom poorer than at present. There are so few good roses that it is hardly worth while to sort over the average consignment to get them out. Beauties are particularly scarce. On teas the best goods go out readily on small shipping orders and the few local calls, but the top price is \$4 to \$5 a hundred and the bulk of the receipts is sold by the potful, without counting. Carnations are overplentiful, and here, too, the quality is on the down grade. The selected stock brings a reasonable price, because there is so little that can be called good, but the large buyers can only be interested at from 5 cents to 10 cents a bunch. Not only are the flowers very small, but many pinks are almost devoid of color.

Garden flowers are all too plentiful. Sweet peas have deteriorated, and are so abundant that the dump is the only outlet for a large part of the receipts. The peonies are not all gone. Auratum lilies go slow, perhaps because there are still so many Easter lilies, and perhaps because there is very little funeral work. A florist and an undertaker were comparing notes the other day, and a reference to the burial record at one of the largest cemeteries seemed to indicate that people have stopped dying.

There are plenty of greens, including ferns, asparagus, smilax and adiantum.

Various Notes.

Ludwig Mosbaek is more than pleased with his season's business in bedding plants. He is completely sold out; in fact, on many items, such as S. A. Nutt geraniums, he was out ten days before Decoration day. He sold 180,000 pansy plants this spring. Mr. Mosbaek discovered a great yet simple truth when he figured it out that there is no limit to one's sales if the stock is good enough, and he grows pansies on that principle, buying the best strains and saving much of his own seed. He expects to largely increase his business next year.

E. C. Ameling is at Antioch, on his annual fishing trip.

C. L. Washburn, his sister and his son, are at their cabin in the woods near Athelstane, Wis. Mr. Washburn expects to be away about ten days.

The supply dealers say trade is fair in that department, the retailers now having time to look over their stocks to see what is needed for the new season.

C. A. Samuelson says that June brides were particularly numerous this year, in his experience, and good work was mostly wanted. But now there's little doing.

This has been a most favorable season for carnations in the field, and most of the growers have big stocks of superior

quality. Nearly all are busy benching, the size of the plants warranting indoor planting much earlier than usual.

Leonard Kill is on the sick list this week.

Most of the retailers are now closing at 6:30 or 7 p. m., and green stock makes up the window decorations.

Robert Northam has returned from his wedding trip, is nicely settled at housekeeping and on duty again with Weiland & Risch.

John Zeck is building a \$2,500 house at the corner of Summerdale avenue and Lincoln street.

John Lambros is out after spending a week in the hospital.

C. Paasch, 224 Clybourn avenue, has invested \$7,000 in building a house on an acre of land at Powers' Lake, and will sell out and retire. He has a very large trade and has laid by a nice competence.

The Foley Manufacturing Company has been granted a Canadian patent on its iron gutter.

The George Wittbold Company is growing a house of chrysanthemums and half a house of poinsettias at the Buckingham street place.

Andrew Nelson, of Elmhurst, was a visitor on Monday.

Bowling.

The bowlers are doing great work. If they can keep it up at Milwaukee it will be a hard team to beat.

Player—	1st.	2d.	3d.	4th.	Total.
G. Stollery	178	242	175	172	767
F. Stollery	190	139	161	183	673
P. J. Hauswirth	165	162	177	148	652
G. Scott	129	137	180	153	599
G. Balluff	147	228	171	152	698
Geo. Asmus	173	177	153	165	668
E. F. Winterson	174	151	127	191	643
Jno. Sterrett	163	158	126	135	582
Jno. Lambros	221	187	139	186	733

PHILADELPHIA.

The Market.

Summer dullness has settled on our business. Until the Glorious Fourth there was activity; since it has been very quiet. A great quantity of flowers is coming in, more it is thought than usual so late in the season. There is no demand to carry them off, and very many are wasted, especially sweet peas, which are now blooming with great freedom. Beauties are rather scarce, most of the growers having stopped cutting from their old plants. C. W. Cox has just begun sending S. S. Pennock a few new crop Beauties, but they are so few, hardly enough to signify as yet. Kaiserins, Liberties and Meteors are the best summer blooming roses to be had in quantity. Carnations are fine for the season and very plentiful, but there is little demand, except for white. Valley is arriving in fair shape, but it sells slowly. The outdoor flowers hardly seem to sell at all. Double petunias and candytuft are used some for funeral work.

Various Notes.

The Florists' Club meeting on Tuesday evening was devoted chiefly to convention matters.

Hitchings & Co. have completed six fine iron-frame houses for Edward A. Stroud, of Overbrook. These houses are now nearly glazed and will be devoted to growing fancy carnations.

The Flower Market is receiving some beautiful sprays of orange blossoms from Wm. K. Harris and fine Flora Hill carnations from Wilson, of Oxford.

S. S. Pennock is receiving some nice Liberties from Charles T. Price, of Lansdowne.

Dr. Lorenz accomplished a wonderful cure in the case of the child of a Phillipsburg florist.

It is estimated that 50,000 Beauties and Edgelies have been planted out at Chestnut Hill this season.

Leo Niessen has instituted his summer holiday system, so successful last season. His entire force has divided into three divisions, each going off two afternoons weekly. This arrangement is greatly appreciated after the long hours so often necessary in the winter.

John McIntyre, who is Edward Reid's right-hand man, is away up the state on a vacation. He is expected back next week.

Very little business is done in this city after 6 p. m., when most of the leading stores close. M. Rice & Co. close at 5 each day except Saturday, when they close at 1 o'clock.

Bowling.

The fifth series of games was rolled at the Central alleys last week. Four of the eighteen competitors, J. P. Habermehl, W. J. Moore, W. Stevens and S. Dunlap, were absent. The scores were very close and ran high, nearly all the competitors securing points. One more series of three games will be rolled on neutral alleys this week, which will be followed by the wind-up on the home alleys. The following are the scores:

Players—	1	2	3	Points.
Geo. M. Moss	183	179	136	2
W. R. Gibson	158	158	130	1
Geo. Craig	144	137	137	1 1/2
Walter Yates	184	207	107	2 1/2
D. T. Connor	190	172	137	2 1/4
Robert Kift	170	198	135	1
Wm. Robertson	172	140	171	2
Frank Polites	184	164	203	3
W. K. Harris	170	154	140	1
John Westcott	181	156	130	1
W. J. Baker	121	104	106	0
G. C. Watson	174	120	140	2
J. Falck	172	165	117	2
J. Adelberger	149	151	190	1

PHIL.

CLEVELAND.

Business was good right up to the last day and almost the last hour of June, but July 1 told an entirely different story; everything seemed to stop dead still, "nothing doing" was the general story and up to the present time there has been no improvement, and we are well started on the usual summer dullness. What stock is seen at the wholesale houses is poor, the roses open and small with some mildew. Carnations are showing the effect of the past few hot days, but sweet peas are coming in fine and in large quantities; it is a wonder where they all go.

The J. M. Gasser Co. has closed the old store at 101 Euclid avenue, and moved the force and fixtures into the other store, at 234 Euclid avenue.

Some very fine Kaiserin roses were seen last week at the F. R. Williams Co. store.

The retail stores all closed at noon on July 4.

E.

AMBLER, PA.

Out on the Plymouth and Conshohocken turnpike, between Ambler and Broad Axe, Albert Knapper has made some pronounced improvements in the old C. C. Biddle property, which he purchased last fall. There are seven and one-half acres in the place, and the tract is in fine shape after a good spring business. There are three greenhouses, thoroughly remodeled, and a recent improve-

ment is an Ericsson hot air engine for pumping water to a 6,000 gallon tank from an artesian well 120 feet deep. Just now there is a fine crop of sweet peas and pansies on, the pansies having remarkably long stems. Mr. Knapper also expects a nice cut soon from a stock of roses grown expressly for summer bloom. Among many novelties, shamrocks and Edelweiss are grown. Much of the stock goes to the Knapper retail store at Fifth and Fairmount avenues, Philadelphia, but Mr. Knapper also has a stand at the Market, Twelfth and Cherry streets. One of Mr. Knapper's daughters is a forelady at Henry A. Dreer's.

CONSTRUCTION SPECIALTIES.

The new catalogue of the Lord & Burnham Co., Irvington-on-Hudson, N. Y., is one of the handsomest of the several excellent editions put out by that firm. It has 96 large pages and includes a number of new specialties as well as new patterns in heaters and ventilating apparatus. A full line of cast-iron pipe fittings for calked joints is one of the additions, also pipe chairs and hangers for all kinds of greenhouses. This firm also issues a very attractive catalogue of greenhouse construction and so expensive are the two books that it is found advisable to insure their reaching the right people by asking that 5 cents postage for each be sent by the inquirer, although as a matter of fact the postage is 6 cents on the new book. This is a policy which is being largely adopted by houses sending out high-class printed matter and is in line with the tendency of wholesale plantmen to charge for packing stock for shipment.

HOTELS OF MILWAUKEE.

The following downtown hotels in Milwaukee are within five or ten minutes' walk of the convention hall. Rooms for convention week may be reserved at any time:

- Aberdeen Hotel, Grand Ave.—Rates, \$10 to \$14 per week, American plan.
- Hotel Atlas, Third and Sycamore Sts.—Rate, \$2 per day.
- Hotel Blatz, City Hall Square—Rate, \$1 per day and upward, European plan.
- Globe Hotel, Wisconsin and Cass Sts.—Weekly rates; American plan, \$10 to \$15; European plan, \$5 to \$10.
- Kirby House, E. Water and Mason Sts.—Rates, \$2 to \$2.50 per day.
- Hotel Pfister, Wisconsin and Jefferson Sts.—Rates, American plan, \$3 to \$5 per day; European plan, \$1.50 to \$3.50 per day.
- Plankinton House, Grand Ave.—Rates, American plan, \$2.50 and upward per day; European plan, \$1 and upward per day.
- Republican House, Third and Cedar Sts.—Rates, American plan, \$2 to \$3 per day; European plan, \$1 and upward.
- Schlitz Hotel, Grand Ave. and Third St.—Rate, European plan, \$1 per day and upward.
- St. Charles Hotel, City Hall Square—Rates, per day, one person, \$2 to \$3.50; two persons, from \$4 to \$6.

DUTCH HORTICULTURAL SOCIETY.

E. H. Krelage & Son made a very fine showing at a meeting of the Royal Dutch Horticultural and Botanical Society at Amsterdam, May 27, receiving, among other awards, a silver gilt medal for a collection of 25 varieties of cottage tulips. They also received a first-class certificate for Allium Erdeli and a certificate of merit for Allium Karataviense. Other leading exhibitors were P. W. Vort, of Overveen; P. W. Sutorius, of Baarn; C. J. Kikkert, of Haarlem, and F. A. Heemskerk, of Amsterdam.

ST. LOUIS.

The Market.

The condition of the cut flower market has changed greatly since the last report. Business with the store men is very dull, funeral work being about all that is going on, and all the florists had plenty of time to spend the glorious Fourth of July, most of them closing their stores half a day. Cut flowers of all kinds have been very plentiful during the past week, with the exception of Beauties. The shortage of long Beauties was particularly noticeable and only a few short ones were in. Other roses, such as Bride, Bridesmaid and Kaiserin, were in excess of the demand and of fairly good quality. Golden Gate and Carnot were also good, and Meteor and Liberty were exceptionally good for the season. Some good Perle were also in, but were too soft to sell well.

Carnations were in fair supply, a great many of them field grown. The demand for these is always good for the best stock. Fancies were scarce. There were a great many pink carnations in the market the past week. Home grown stock has the call these warm days and a great deal of the shipped stuff has to be dumped, as it does not keep any length of time. Sweet peas are still in heavy supply and are not moving fast since the end of the school closing and wedding season. The quality is still very good, but stems are shorter. The few hot days of the past week made them suffer somewhat. More white are sold than any other color, as they are extensively used in funeral work. There are also some good white asters in the market, but they are not overplentiful. Colored stock of these is yet scarce. Some good valley is in the market, which has a fairly good call. The best of this stock comes from A. Berdan, of Kirkwood, Mo. The market is filled with out-door stuff, which sells slowly and at very cheap prices to fill up show windows. Fine Asparagus plumosus and Sprengeri sell well and can be had in extra fine quality.

Notes.

Local growers are now very busy planting their houses, some having already finished this work. From the report there will be no lack of Beauties and other roses the coming season. The same can be said of carnations. A great many of the best new varieties will be grown by our local growers, especially our brothers in Edwardsville, Belleville and Kirkwood.

Mr. Simpkins, of Denver, Col., brother-in-law to Phil Scott, was in town last week and called on the trade with Phil's compliments.

The committees in charge of the picnic have everything in readiness for the outing. The invitations have all been mailed, and should any one have been overlooked he should let it be known to one of the committee, who will attend to the matter at once.

Andrew Meyer, Jr., the newly appointed park superintendent, reports that he is 28 years old instead of 23, as stated in the last issue of the REVIEW. Mr. Meyer took hold of his new office July 1, with plenty of work before him.

Mrs. Frank M. Ellis and her two daughters left St. Louis last week for a visit to friends in the western part of Missouri, in the mountains. Frank

is taking a trip among the growers through Illinois and will pay a visit to the Chicago boys for a few days.

H. M. Schisler and B. P. Corneli, of the Schisler-Corneli Seed Co., have returned from Atlantic City, where they attended the annual meeting of the American Seed Trade Association. They report a great time, and are pleased that the association has selected St. Louis as its next meeting place.

In response to an invitation of William Winter, the Florists' Club will hold its June meeting this week Thursday in Kirkwood. This meeting will be a very important one for the members, and a big attendance is expected. Talks on the coming S. A. F. convention and the annual outing will be in order, and the nomination of officers will take place.

J. J. B.

BUFFALO.

The bottom dropped out at the end of last week, just as it was expected to do, and the Fourth, for which we had a lovely day, was a floral holiday—the only day out of the 365 when a florist can say that he is sure he won't be wanted. I did hear on my way down-town on Friday afternoon that Bill or Bob or Harry was going to keep open, and "if they do, of course we will have to." I trust better sense prevailed, and that it was a close-up all day. There are none too many holidays, anyway, for the florists, scarcely one. Six o'clock closing began on the first. Most of the downtown stores had more or less patriotic emblems in their decorations last week. W. J. Palmer & Son had a well-constructed field gun, about an eight-pounder. It was made of red and white carnations, and attracted lots of kids to the window, but it was not half so pretty or pleasing as their fine window up-town, filled with splendid cibotiums. The much-abused stars and stripes satisfied other retailers. S. A. Anderson has had a splendid lot of gloxinias in his window for a week past, and his head man, Mr. Adams, says they go well. They ought to, for, as I have often said, they are the very best of house plants. Jos. Rebstock is getting along well and will soon be out.

We were rather surprised to see Michael Bloy again so soon. He is manager of the Lyman establishment near Cleveland. He reports trade good, work well advanced and prospects very bright. In fact, he was in the best of spirits, and when "Mike" is enthusiastic he is hard to beat.

Harry Balsley, who lets you know about the Detroit Flower Pot Co., floated into town last week and made his usual prolonged stay. He likes to spend his summer vacation with us. Now, I have sometimes given Harry some chaff over some of his inventions, for which I know he has forgiven me; but, seriously, this time he has a good thing in his new pattern round-bottom pot. We tried 500 4-inch this spring, and like them very much. The bottom is made slightly thinner in the center, and the clay drawn to the sides, which makes the bottom of the pot slightly rounding or cupped. There are, I believe, three distinct advantages in the pattern over the old. Strength is one. Next, plants are much easier to knock out of one of these pots, as there is no sharp angle for the roots to hold to. And, thirdly, in large sizes, say 5, 6 or 7-inch, the drainage must be perfect. Harry is all right this time.

The club is to meet on Friday of this

week. Picnic, convention and bowling team are the uppermost subjects. I hope we do have a bowling team and let the world see once again how mightily we can trundle the sphere, as we used to do. It is not necessary to practice all the year around; you get stale and weary. If you are a scientific bowler, one or two practice games in the year is plenty.

There is good reason to believe that the old houses, corner of Main and High, now occupied by Louis H. Rebstock, will shortly be torn down, and in their place a fine brick store and office and three or four up-to-date houses will be built. The location is grand, and Louis' ability is also grand, and when he gets the new place complete and running, why look out.

W. S.

PITTSBURG.

Business is holding up very well. The condition of stock is only ordinary, and the wholesalers are receiving more flowers than they know what to do with. Carnations were offered as low as \$5 per 1,000 last Saturday morning. Roses also sell cheap. Sweet peas are plentiful and the quality is very fine.

Charles Koenig, Pittsburg's largest bulb force, has sold out his entire plant to Patrick Maier, who will continue on the same lines, consigning his entire output to the Pittsburg Cut Flower Co.

Harry Graves, formerly with Randolph & McClements, leaves soon for Beloit, Ohio, to take charge of his new range of carnation houses.

H. L. Blind & Brother are growing several houses of Boston ferns which look fine. Hoo-Hoo.

TARRYTOWN, N. Y.

At the June meeting of the Tarrytown Horticultural Society, the secretary was instructed to invite Wm. Turner, of Oceanic, N. J., to act as judge at the November exhibition. John Nelson, of North Tarrytown, was elected to membership. David McFarlane was awarded the prize, a silk umbrella, for the best display of cut flowers of perennials. Charles Vanderbilt offered a cash prize of \$5, which will be given for the largest chrysanthemum bloom at the fall show. The discussion on perennials was participated in by President McFarlane, Stephan and Joseph Bradley, F. R. Pierson and Mr. Moody.

WANT ADVERTISEMENTS.

Advertisements under this head one cent a word, cash with order. Plant advertisements not admitted under this head.

Every subscriber is entitled to a free advertisement not exceeding 35 words in any one issue desired during the year. If the advertisement exceeds 35 words, send at the rate of one cent for each additional word.

FOR SALE—The entire equipment of the Rocky River Nursery greenhouse will be closed out at less than half price; 5,000 feet iron pipe one to four inches in diameter; 9,000 square feet of A quality glass, size 14x20; seventy-two Jenkins valves and others, one automatic receiving tank, one 60 horse-power boiler, one 6x4x6 duplicating pump, 12 Hippard's patent ventilating holts, etc. A chance of your life to enlarge your present plant, or some enterprising man to start a business of his own; take Detroit St. electric cars to Riverside Ave., Cleveland, Ohio. Call for M. Cassel, Manager, or address Clifton Park, O.

SITUATION WANTED—By a middle aged man. Single, life experience in cut flowers and pot plants. Please state wages in first letter. No. 128, care Florists' Review, Chicago.

WANTED—To rent or buy a well established florist business of about 10,000 to 25,000 square feet of glass. Send full particulars to No. 127, care Florists' Review, Chicago.

THE few days of very hot weather have fixed it so that there is not now much to be said as to the quality of stock, but we pride ourselves on having at all times the best to be found in this market. It is a point we would like buyers to remember. All cut flowers in season. Plenty "green goods" of best quality. "Right Goods at Right Prices." Let us have your order.

E. C. AMLING,

The Largest, Best Equipped and Most Centrally Located
Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St., Chicago, Ill.
Long Distance Telephones 1099 and 1977 Central.

FOR SALE—Cheap for cash, second-hand 4-in. cast iron pipe and fittings. Good condition. Address Cole Bros., Box 577, Peoria, Ill.

FOR SALE—New greenhouse material as follows: New 2-in. black pipe, long lengths, 10 cts. per ft.; 6x8, 50 ft. boxes, American glass, single, \$2.25 per box; 6x8, 50 ft. boxes, American, double, \$2.70 per box; 6x8, 100 ft. boxes, French, single, \$4.00 per box; 8x10 single French glass, \$4.50 per 100 ft. box; 12x14, 16x18, 14x14, 50 ft. boxes, American glass, double, \$3.60 per box; 12x12, 10x14, 50 ft. boxes, American glass, single, \$2.40 per box. Clear gulf cypress greenhouse material and everything for building. Send for prices. S. Jacobs & Sons, 1365 to 1375 Flushing Ave., Brooklyn, N. Y.

WANTED—All-around man, single, to assist in greenhouses; Dutch or German preferred; \$20.00 a month and board. F. Blondeel Co., Oak Park Ave. and Augusta St., Oak Park, Ill.

WANTED—Second hand hot water boiler, capable of heating about 4000 square feet of glass, must be in good condition; also 200 feet of ventilating apparatus—no old fashioned, worn out machine wanted; also 50 pieces of good 2-in. pipe, 10 feet long, with one good thread; 200 feet 1-inch galvanized iron pipe, must be sound, with good threads; and 40 boxes of 16x24 D. S. glass, good quality. State at once what you have with all particulars and lowest cash price for I mean quick business. Address Jas. Ambacher, Long Branch, N. J.

SITUATION WANTED—As a florist; 30 years' experience; can come soon. Experience in the growing of palms and ferns, orchids and all tropical plants. Will accept a good, private place. Address No. 129, care Florists' Review, Chicago.

WANTED—Second-hand hot water boiler and pipe to heat 2 houses 16x70 and 12x75, 60 degrees. J. F. Sked, Westerville, Ohio.

WANTED—Young man with some experience in general greenhouse work. Permanent place and good wages paid. Address No. 123, care Florists' Review, Chicago.

WANTED—Young man for place of 15,000 feet glass, where only cut flowers are grown; must be able to take charge and furnish A No. 1 references. H. Bornhoeft, Tipton, Ind.

FOR SALE—One Hitchings saddle boiler, No. 3. Has been in use only one winter. A. J. Lantier, 1718 Walton Ave., Fort Wayne, Ind.

FOR SALE—Bolton hot water boiler. Will heat 1,500 feet of glass; in shape; a bargain for \$35.00. D. Kleinhaus, Ithaca, Mich.

FOR SALE—Some extra good second-hand 3-in. pipe at 6c per foot; also some 4-in., guaranteed sound. W. H. Salter, Rochester, N. Y.

FOR SALE—No. 8 Furman hot water boiler in good order. Is heating 8,000 feet glass. Make us cash offer, F. O. B. East Aurora, N. Y. Wise Bros.

WANTED—5,000 florists to use our special box label with their name and address printed thereon. Price \$2.00 per 1000 prepaid. Cash with order. Send for sample. In ordering write your name and address plainly to avoid errors. Address Scholl Printing Co., Chillicothe, Ohio.

WANTED—Sober, reliable grower; roses, carnations, mums and bedding stock; retail place; state wages expected with board and room. Lewis B. Allen, Murphysboro, Ill.

WANTED—Two or three men for carnations and roses. Bassett & Washburn, Hinsdale, Ill.

WANTED—Two good men for general greenhouse work; two helpers in rose section. J. F. Wilcox, Council Bluffs, Iowa.

FOR SALE—Greenhouses stocked; dwelling, about 4 acres ground; no competition. Good chance and will sell cheap on account of sickness. Address S. L. Harper, Mechanicsburg, O.

FOR SALE—Some double thick glass, 10x12, 10x14 and larger at \$2.75 per box. W. H. Salter, Rochester, N. Y.

FOR SALE—Gorton side feed steam boiler, No. 138 (largest size) in good condition, used only two winters. Robt. M. Schultz, the extensive and well-known florist of Madison, N. J., publicly testifies that a No. 137 (one size smaller) heated for him 15,000 sq. ft. of glass, keeping up a night temperature of 65 degrees and gave entire satisfaction. A prominent railway official using one of these boilers in his dwelling, believes it "the best heating machine made." Price \$200 f. o. b. Wm. B. Sands, Lake Roland, Baltimore, Md.

WANTED—Second-hand boiler to heat 3,000 ft. glass and pipe enough with thread on (2-inch pipe); all must be in good condition. George F. Wolf, Elkins, Randolph Co., W. Va.

WANTED—All-round man to assist in nursery work and in greenhouse. Married man preferred. E. Ferrand & Sons, 379 Vinewood Ave., Detroit, Mich.

WANTED—At once, a good second-hand boiler large enough to heat 4,000 to 5,000 ft. of glass. Max Schreiber, McDonald, Pa.

FOR SALE—Pair of first-class tubular steam boilers, 10 feet long, 36-inch diameter, in first-class condition with heavy full blast iron fronts. Grates and all appurtenances and belongings, f. o. b., \$250, if taken at once. Aug. S. Swanson, St. Paul, Minn.

FOR SALE—One 10 horse-power horizontal tubular boiler in good condition. Has successfully heated 6,000 sq. feet glass for commercial purposes. Price \$45.00. Myers & Co., Bluffton, Ind.

WANTED—Partner to take half interest in greenhouse establishment of 20,000 sq. feet of glass, established 20 years, buildings nearly new; must be sober and good grower of cut flowers; price for half interest, \$6,500, \$2,500 cash, balance to suit purchaser. Address No. 125, care Florists' Review, Chicago.

FOR SALE—Two 20 horse power boilers. One 15 ft. long, \$125.00; one 18 ft. long, \$150.00. Certificates with each for 100 lbs. steam. Address S. Gibbs, Woodville, Pa.

For Sale. 4000 ft. 4-inch Pipe, with fittings; 2000 ft. 2-inch Pipe; One Boiler, heating capacity, 5000 feet 4-inch pipe; One Boiler, heating capacity, 1500 ft. 4-inch pipe.
W. L. SMITH, AURORA, ILL.

New Glass

For the best offer. Write, stating how many boxes and what sizes you will need.

No. 126, care Florists' Review, Chicago.

AMERICAN BEAUTY,		Per doz.
30-36-inch stem.....		\$3.00
24-inch stem.....		2.00
20-inch stem.....		1.25
15-inch stem.....		1.00
12-inch stem.....		.75
Short stem.....		\$4.00 to \$5.00 per 100
		Per 100
Brides and Maids.....		\$3.00 to \$5.00
Meteors and Gates.....		3.00 to 5.00
Kaiserins.....		3.00 to 8.00
Carnations.....		1.00 to 1.50
large and fancies.....		2.00 to 3.00
Harrisii.....		\$1.25 to \$1.50
Auratum Lilies, per doz.,		\$1.50
Sweet Peas.....		.25 to .40
Valley.....		4.00
Peonies.....		.60c to 75c per doz.
Marguerites.....		.40 to .50
Asparagus... per string, 50c.		
Asparagus Sprengeri.....		2.00 to 5.00
Ferns... per 1000, \$1.25.....		.15
Galax.....		1.25..... .15
Adiantum.....		.75 to 1.00
Smilax..... per doz., \$1.50.....		10.00
Subject to change without notice.		

FOR SALE—A small greenhouse, hot water heat with double the necessary boiler capacity, besides about 7,000 to 8,000 flower pots, all sizes, and 20 glazed hotbed sash, on fine location, for sale cheap. Located beside a nice 7 room house, windmill and barn, which can be rented on reasonable terms. Good paying business. Address Aug. Schellenberger, Highland Park, Elkhart, Ind.

Greenhouses for Sale.

12,000 feet of glass; carnations grown; fine dwelling house; abundance of stock on hand; all in good condition; near R. R. station, nine miles from Chicago center; reason for selling at very low price.

OTTO HANSEN, Mont Clare, Ill.

FIXTURES FOR SALE.

Store fixtures complete, consisting of refrigerator 8x6x8 feet, plate glass front 5x6, plate glass doors, box made to order after original design, desk with mirror 5x6 feet, mantel shelf with mirror 5x6 feet, all glass and mirrors beveled plate, counter table 10x4 feet, plant table 8x3 feet, zinc lined, other shelving and fixtures all made to order of select birch, stained mahogany; cost \$800, used six months; will sell at \$500. Address AUGUST S. SWANSON, St. Paul, Minn.



S. A. F. CONVENTION.

I will take charge of the exhibition of your goods at the S. A. F. Convention to be held at Milwaukee in August. Will give them good and faithful care and take orders if desired. Correspondence solicited. I refer by permission to The Florists' Review, The Chicago Carnation Co., Joliet, Ill., and The Joliet National Bank of Joliet, Ill. Address—

C. E. FINLEY, JOLIET, ILL.

EXTRA LOW PRICES.

On boilers and engines to close them out.
One No. 5 Ericsson engine.....\$40.00
One No. 8 Ericsson engine.....70.00
One No. 10 Ericsson engine.....80.00
One No. 5 Rider engine.....65.00
One Clorofic sectional boiler, 900 sq. ft. rad'n 55.00
One Scollay boiler No. 9, invincible, cost new, \$280.00.....140.00
One Scollay boiler, small No. 2.....30.00
One Lord & Burnham boiler.....50.00
One Spence No. 40.....55.00
One coil boiler, 2,200 sq. ft. radiation.....60.00
All guaranteed to be in good working order. Boilers taken in exchange.
New 2-inch Pipe, 10c per foot net.
Second-hand 2-inch Pipe, 8c per foot.
Second-hand 1 1/4-inch Pipe, 5 1/4c per foot.
Second-hand 1 1/2-inch Pipe, 4 1/2c per foot.
Second-hand 1-inch Pipe, 3 1/4c per foot.
Second-hand 3/4-inch Pipe, 3c per foot.
3,000 ft. job lot new 3/4-inch hose, \$5.00 per 100 feet, not guaranteed.
New 3/4-inch hose, guaranteed one year for 150 lbs. pressure, 7 1/4c per foot.
Write for prices on all kinds of tools and lumber.
MANHATTAN SUPPLY CO.
440-442 11th Avenue, NEW YORK.
Mention The Review when you write.

NURSERY NEWS.

AMERICAN ASSOCIATION OF NURSERYMEN.

Pres., N. W. Hale, Knoxville, Tenn.; Vice-Pres., F. A. Weber, St. Louis; Sec'y, Geo. O. Seager, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-eighth annual convention will be held at Atlanta, Ga., June, 1904.

C. W. WARD, of the Cottage Gardens, reports heavy call for peonies for September delivery. Orders are being booked lively.

THE American Park and Outdoor Art Association is in session at Buffalo this week, with a good attendance of those interested in civic improvement.

VICTORIA, B. C.—E. L. Cockrell, proprietor of the Invertavish Nursery, is reported missing. Until recently he was verger of Christ Church cathedral.

E. RUNYAN, president and manager of the Elizabeth Nursery Co., Elizabeth, N. J., is visiting nurseries in Belgium, France and Holland, picking up stock.

SEYMOUR NELSON, of Chicago, has drawn plans for the new cemetery at Des Moines, and is at work on the preliminary surveys for the improvement of South Park in the same city.

WM. A. PETERSON, of Chicago, is at Clifton Springs, N. Y., with Mrs. Peterson, going thence to Island Heights, N. J., for his annual sail, after which he will visit some of the notable estates in the east.

SAMUEL T. KENYON, the well-known nurseryman of Portsmouth, O., died July 2 as the result of a runaway accident in which he was injured April 4. He was born at Sandy Springs, O., December 24, 1843.

OLMSTED, BROS., Brookline, Mass., have been given the contract at \$4,000 for the landscape architecture of Grant Park, as the lake front park at Chicago is now known and which is to be improved at an expense of several hundred thousand dollars.

PROF. FISHER, of the Montana Experiment Station, at Bozeman, recommends the planting of the elm, oak, white birch, mountain ash, European larch, and the white and green ash, among deciduous trees, and the Colorado blue and Douglas spruces, among evergreens, to replace the poplars and cottonwoods.

JOHN W. DUNCAN, assistant superintendent of the Boston parks, says he has never seen so many trees and shrubs injured as were winter-killed the past season. Through the whole system such shrubs as California privet, Cotoneaster Simonsi and Lonicera fragrantissima were killed to the ground. The lilacs, for which the Boston parks are famous, made a poor showing this spring. Mr. Duncan lays it to the freeze that came before the wood was thoroughly ripened.

ST. LOUIS WORLD'S FAIR.

A visit to the world's fair at St. Louis at this time, is of interest to the horticulturist and landscape gardener, showing what can be done in ornamental work. An enormous amount of labor has been performed in clearing the land devoted to the exposition, grading down hills, filling depressions, and creating a site suited to the greatest exposition ever

attempted. Through the courtesy of Prof. F. W. Taylor, chief of agriculture and horticulture, and the kindly efforts of J. H. Hadkinson, in charge of landscape work on the tract devoted to agriculture and horticulture, some idea of the great work in progress in their hands was secured.

Work on the building intended for horticulture is evidently not yet in progress, but as fast as the grounds can be turned over to them by the engineer and graders, Mr. Hadkinson with a large force of workmen is planting an immense number of roses and shrubs on the four acres devoted to that work, on the north front of the building devoted to agriculture. The ornamentation of this entire tract of forty acres has been turned over to the chief of the department, F. W. Taylor.

Through his skill in enlisting advertising competition among the florists and nurserymen of the country, immense contributions of trees, plants and flowers are being sent in by the leading nurserymen and florists of the country. These trees, plants and shrubs under the careful supervision of J. H. Hadkinson are planted and cared for at the expense of the exposition. The nurserymen or florists contribute trees and plants and pay the freight on them. We notice that roses were planted in beds, using from 100 to 500 plants in a single bed; to mass their bloom and produce desired effects, they are planted in beds and borders 18x18 inches. A hundred or several hundred Paul Neyron, or Magna Charta are being planted in single groups. Beautiful effects will be secured when these come into full bloom. W. F. Heikes, of Huntsville and Biloxi contributes over 6,000; more than 50,000 plants will be used in this work about this one building. Other portions of the ground will be suitably planted and cared for, all at the expense of the exposition.

To transform vast areas of muddy clay into grounds of striking beauty requires a vast amount of work, and gives Mr. Hadkinson ample scope for his skill in work of this character. Much has been learned in the handling of previous expositions. A visit to the exposition at this time shows as only a visit can, an idea of the work attempted. A visit also imparts confidence in the ability of the manager and workers to carry out what they have undertaken.

E. F. STEPHENS.

SALINA, KAN.—The greenhouse of John Buchi was completely destroyed by hail and wind during the recent severe storms.

W. & T. SMITH COMPANY, GENEVA, N. Y.

Wholesale Ornamental Trees, Shrubs, Roses, Clematis, Fruit Trees, and Small Fruits in great variety.

Send for our Wholesale Price List.
Mention The Review when you write.

Send to **THE MOON**
Company
For { Trees, Shrubs, Vines,
Your { and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.,
Morrisville, Pa.
Mention the Review when you write.

Seed Trade News.

AMERICAN SEED TRADE ASSOCIATION.

Pres., S. F. Willard, Wethersfield, Conn.; First Vice-Pres., J. Chas. McCullough, Cincinnati, O.; Sec'y and Treas., C. H. Kendel, Columbus, O. The 23d annual meeting will be held at St. Louis, Mo., June, 1904.

VISITED CHICAGO: F. W. Maas, with the Plant Seed Co., St. Louis, Mo.

ALEX. RENNIE, of Rennie & Pino, Providence, R. I., sailed for Europe July 2.

LEM. W. BOWEN, of D. M. Ferry & Co., Detroit, is visiting French seed growers.

JAS. MCHUTCHISON sailed for Europe on the steamship Motke, leaving New York July 9.

At present there is a fair demand for turnip seed, but the expected large demand has not yet materialized.

LOUIS GOEPPINGER, of Angers, is on his annual tour of the United States, representing French seed growers.

THERE is a fair acreage of cucumbers in Nebraska, some replanting having been done, but the crop will be late.

THE potato crop in England and Ireland is a flat failure, while that of Scotland will not be over 40 per cent of the expected yield.

INDIANAPOLIS now has to be taken into consideration as an onion set center. Huntington & Page have over a hundred acres in sets this year and the crop is fine.

THEODORE PAYNE, of Los Angeles, Cal., formerly with the Germain Seed Co., but now in business on his own account as flower seed grower, passed through Chicago this week on his way to Europe.

SOME 8,000 trials of various seeds are being made at Fordhook this year. There are over 400 trials of sweet peas. The visit of the seedsmen to Fordhook June 27 received two-column notices in the Doylestown newspapers.

THE unanimous expression from western attendants to the seedsmen's convention at Atlantic City is: "A most successful and pleasant meeting; many thanks to the Philadelphia craftsmen for the royal entertainments."

THE general rise in the wholesale prices of all the staple garden seeds does not seem to materially shorten advance orders. The trade generally realizes that seed crops of all kinds are not likely to be over abundant.

LOUISVILLE is four to six weeks earlier than Chicago on onion sets, and Indianapolis ten days to two weeks ahead. Inspection this week shows the Louisville crop thick necked and poor; Indianapolis fine; Chicago fair quality, but many fields showing thin spots.

RECENT advices from seed growing districts in France say that, owing to unfavorable weather, deliveries of 1903 crop of early beets will not be over 50 per cent, celeries from 20 to 30 per cent, turnips, 25 to 40 per cent, and even this small average is by no means assured.

THOS. J. WADE wishes to call attention to the fact that the officials in charge of the government seed distribution are competent seedsmen, whom he believes to be friendly to the seed trade. But has this been questioned? Certainly the trade does not believe the act of Congress to be friendly.

THE warm weather is improving the general run of seed crops. Peas are blossoming and some of the extra earlies are beginning to set. Dwarf beans generally are showing a good stand. The green podded sorts, with the exception of Stringless, so far give the best promise, some of the wax sorts showing a trifle thin.

THE absence of recent advices on such important garden seeds as celery, parsley, carrot, pepper, etc., would indicate that no serious shortage on deliveries of them is anticipated. It is yet too early, however, to say what may develop, as a good proportion of these seeds come from European and California sources and reliable reports usually arrive late.

RADISH seed crops in the Michigan district are improving. White Vienna in some instances is going behind. Charter, Cincinnati Market, Woods Frame and Long Scarlet are up to the average, but the acreage was shortened by the sand blow during the early dry spell. The turnip-shaped sorts are doing fairly with the exception of Olive Short Leaf.

LATE advices from Kentucky are to the effect that the Kentucky blue grass crop is estimated about the same as last year, with prices a little lower; orchard grass about the same as last year, prices likely to be as high. The clover prospect is fair; crop doing well. The season on the whole is unfavorable for grass seeds. As to onion sets, the crop prospect at present is fair. No orders are being booked for future delivery on account of small acreage and uncertainties as to the outcome of the crop.

ONION sets at Louisville are about ready to harvest. The crop there will fall much below last year's, and the quality will not be so uniform. At Indianapolis the quality is likely to be uniform, with a less number of bushels than expected. Chicago began with a much shorter acreage than ordinary, and it all depends upon the weather of the next two weeks as to what the harvest will develop. The general opinion is that good prices must prevail for onion sets, and a rising market from harvest time on is looked for.

PHILADELPHIA.—The onion set situation is really a serious one with the local seedsmen. From present indications the crop cannot be over 25 per cent of that of 1902. Practically no contracts were made for 1903 crop delivery and the farmers who have a few sets in sight are fully alive to the situation and refuse offers on yellows at \$3 for fall delivery. The same is true of turnips and rutabaga seeds. Farmers whose crops are not covered by contract talk 25 cents per pound, but back out when offers are made to close at this price. Owing to better weather conditions, the counter and mail trade of the latter half of June was very heavy. The demand for vegetable plants was heavier than in any previous year.

I LIKE your paper better every week.
—W. J. BURDETTE, Colorado City, Col.

Stumpp & Walter Co
50 Barclay St. N.Y.

Cycas Stems.

2 to 3 lbs. 4 to 5 lbs. 6 to 7 lbs.
Per 100 lbs....\$7.50 Per 1000 lbs...\$65.00

Burpee's Seeds Grow

SEEDS

THE ALBERT DICKINSON CO.

Timothy, Clovers, Flax, Hungarian, Millets, Red Top, Blue Grass, Lawn Grass, Orchard Grass, Pasture Mixtures, Bird Seeds, ENSILAGE CORN, POP CORN, BUCKWHEAT, BEANS, PEAS, ETC. COTTON GRAIN BAGS. CHICAGO ILL.

**BUY Your BULBS
IN ST. LOUIS.**

WHITE CALLAS.

2 to 2½-in. diameter, doz., \$1.25; 100, \$9.00
1¾ to 2-in. " " 1.00 " 7.00
1½ to 1¾-in. " " .75 " 5.00

FREESIA REF. ALBA.

¾-in. up 100, \$1.00; 1000, \$7.75
½-in. up " .75 " 5.00

For immediate order and cash.

All Western Growers should receive
our **IMPORT PRICE LIST
OF FORCING BULBS**

Plant Seed Co., Saint Louis.

A few hundred small Cycas Stems
still on hand 6c per lb.

Mention The Review when you write.

GRAND RAPIDS.

Excepting a week of excessive heat, we have had fine weather, warm days and cool nights. Business has been steady, without a break, until July 4, and the growers are still busy with shipping for the resort trade. It has been the most prosperous spring the local trade has ever had. Bedding plants sold out close; cut flowers were scarce most of the time, and carnations sold out close all through June, and at prices unheard of before for that month, but the weather conditions were favorable for good flowers, even if they did not yield as many as might at times have been wished for. Re-planting is under way in both roses and violets.

The florists have held several meetings in conjunction with the lettuce and vegetable growers, with the intention to form a stock company to buy coal and other supplies, particularly glass, steam pipe and fittings. Besides supplying the florists at cost, a general business is contemplated with any one who wishes to patronize the firm.

GEO. F. CRABB.

HAMBURG, N. Y.—Mrs. Janette Hale has bought the Jacob Kassman property on Pleasant avenue and will erect green-houses.

WE are in receipt of Part II of the Transactions of the Massachusetts Horticultural Society for 1902 and Part I for 1903.

ESTABLISHED 1802.

**Thorburn's
Seeds**

for over a 100 years have been universally
recognized as the standard of excellence.

Florists are invited to
send for our

ANNUAL TRADE LIST OF BULBS
just published.

New Crop **Thorburn's Superb Pansy**
and **Madame Perret Pansy,**
NOW READY.

...CYCAS REVOLUTA STEMS...

J. M. THORBURN & CO.

36 Cortlandt St., **NEW YORK.**

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RAWSON'S

Arlington Tested

Seeds FOR THE FLORIST

Catalogues Mailed Free.

W. W. RAWSON & CO., Seedsmen,
12 and 13 Faneuil Hall Square, BOSTON.

Mention the Review when you write.

CINERARIA SEED

Large Flowering—Splendid mixed 50c and \$1.00
Dwarf—Splendid

mixed.....50c and 1.00

Primula Chinese Fringed—Sep-

arate or mixed50c

Pansy Superb Mixed—Unexcelled

strain, ½-oz., 75c..... 5.00

W. C. BECKERT, - ALLEGHENY, PA.

Mention the Review when you write.

Asparagus Plumosus
.....Nanus Seed

5000 left at \$6.50 per 1000. Cash.

JOS. H. CUNNINGHAM,
Delaware, Ohio.

Always mention the Florists' Review when
writing advertisers.

SAMUEL S. PENNOCK,

SUMMER ROSES.

Open from 7:30 a. m. to 6 p. m.
During July and August
close on Saturdays at 1 p. m.

Wholesale Florist,
1612 Ludlow St., PHILADELPHIA.

ST. PAUL.

The Market.

Trade has now dropped to a hot weather basis, and everything in the flower line is quiet except the growers, who are hustling with might and main to get their planting done. June business was very good, fully up to or ahead of previous years. At present there is a good demand for funeral flowers, with an occasional wedding to break the monotony. Red roses are very scarce, whites fairly plentiful, pink in moderate supply. There is a good demand for Beauties at good prices. Carnations are still plentiful, and sell at 50 and 75 cents per dozen at retail. Prosperity and Lawson are about the best varieties at this writing. Carnation plants in the field are in fine condition and will make strong, stocky plants for August planting.

Notes.

Como Park is now looking extremely well, with its wealth of floral beauty. The climbing roses are just now a perfect mass of bloom, and prove conclusively that Minnesota is all right for outdoor roses if they are given proper care. The pansies grown here are the finest we have ever seen.

The Warrendale Greenhouses, near the park entrance, are still cutting a good supply of carnations. Their roses and mums are all planted and are making excellent growth. L. L. May & Co. have planted several houses of roses and have several more to plant. Chrysanthemums are nearly all planted here. Some fine pot plants for the fall show are being grown. The Ivory rose is an exceptionally strong grower, with nice clean foliage. It certainly looks very promising.

Otto Hiersekorn has gone to his old home in Germany for a ten weeks' visit. Fred Topel, rose grower for May & Co., has the sympathy of the entire trade in the loss of his estimable wife, who died June 30.

X. Y. Z.

SHELBYVILLE, KY.—Mrs. Margaret Dubourg, wife of L. Dubourg, the well-known florist and city councilman, died June 30, after an illness of two and one-half years. She was 53 years of age and leaves three children.

MANCHESTER, O.—George R. McNeil says trade was never better than this spring. Although the weather has been against them, Mr. McNeil says stock in the field is in good shape for a starter for another prosperous year.

LEHDE'S PANSY SEED.

A strain of large-flowering types including all colors. This is a product of careful selection for many years. Fresh seed now ready. Trade packet of 4000 seeds, \$1.00; oz., \$5.00.

J. G. LEHDE, Forks, Erie Co., N. Y.
Mention The Review when you write.

The Florists' Hail Association

has paid over \$54,000 for glass broken by hail during the past 15 years. For particulars Address JOHN B. ESLEY, Sec'y, SADDLE RIVER, N. J.
Mention The Review when you write.

Wanted, 500 Healthy Well-rooted Geraniums,

from 2-inch pots, of each of the following kinds: Alphonse Ricard, Mme. Barney and S. A. Nutt.

W. T. BELL & SONS, Franklin, Pa.

Mention the Review when you write.

For Sale.

Three large cypas revoluta specimen plants. 30 perfect leaves 42 inches long. Also 1 very large one, 40 leaves, 50 inches long. Write

SCHLURAFF FLORAL CO., Erie, Pa.

Mention the Review when you write.

Meteor Rose Plants!

3½-inch, \$4.50 per 100; \$37.50 per 1000.

Cash with order unless parties are known. These plants are guaranteed extra choice.

BRANT & NOE, Forest Glen, Chicago, Ill.

Will exchange Meteors for Maids and Brides.

Mention the Review when you write.

Don't forget to order some of those fine 3-inch BEAUTIES, GOLDEN GATE or IVORY, as well as the other varieties of Roses of

"Ferns." GEO. A. KUHLE, PEKIN, ILL.

Mention The Review when you write.

GRAND RAPIDS VIOLET STOCK.

Imperial. M. Louise. 2½-inch pots, \$25.00 per 1000. Swanley White and Lady Campbell, 2½-inch pots, \$20.00 per 1000.

Maiden Hair Ferns. 6-inch pots, 25c each. Chrysanthemums. Write for list of varieties, 2½-inch pots, \$20.00 per 1000.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Review when you write.

Latania Borbonica.

Fine plants in 14-inch pots. Suitable for lawn decoration or large conservatory. \$15.00 each.

WM. J. YOUNG, Jr.

School Street and Pulaski Avenue, GERMANTOWN, Phila.

Mention the Review when you write.

It will pay you to work up a stock of

TREGO

The best Semi-double Scarlet Geranium to date. Strong, 2½-inch pots, \$8.00 per 100.

S. S. SKIDELSKY,

708 N. 16th St., PHILADELPHIA.

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JOHN SCOTT,

Keap St. Greenhouses, Brooklyn, N. Y.

Headquarters for BOSTONS

Fine "PIERSONI" in 2½-inch pots.

The Cottage Gardens' Collection of Cannas, Grand stock. Send for particulars.

Mention The Review when you write.

Good Fortune is the Chum of Opportunity.

This is your chance to lay in a stock of Godfrey Aschmann's tip-top *Araucaria Excelsa*. Do it now and they will help to fill your treasure box; they will be growing into money for you while you're asleep. We are headquarters for this great favorite among decorative plants. Our houses are full of choice April importations—no seedlings—raised in Belgium from top cuttings only. Here is my very lowest quotation. Who can beat such stock as I offer for the money?

5½-in., 3 tiers, 8 to 10 in. high.....\$0.50 each
5½-in., 8 to 4 " 10 to 12 "60
5½-in., 8 to 4 " 18 to 15 "75
6-in., 4 to 5 " 16 to 18 " 80c, 90c, 1.00 "

Kentia Forsteriana—4 years old, 30 to 36 in. high, 5½-in. pots, 75c to \$1.00 each.

Ficus Elastica—Imported, 4-inch pots, 25c each.

Cash with order please. Goods travel at purchaser's risk only. Please state if with or without pots.

Wanted to Buy—Boston Ferns for cash.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants,

1012 Ontario Street, PHILADELPHIA.

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SPECIAL JULY OFFER

GERANIUMS—The following superb bedders: Alp. Ricard, E. G. Hill, Jean Viaud, B. Poitevine, Mme. Buchner, strong, 2½-in., \$2.00 per 100; \$20.00 per 1000. We can also supply *FUCHSIA*—(4 leaders), *FEVERFEW*—(Little Gem), *MARGUERITE*—(yellow), *AGE-ATUM*—(P. Pauline), strong, 2½-in., \$1.50 per 100. *ALYSIUM*—(Dbl. Giant), *SMILAX*—(Ready July 15, 1908), 2½-in., \$1.25 per 100.

THE W. T. BUCKLEY PLANT CO,
SPRINGFIELD, ILL.

Mention The Review when you write.

Geraniums—In bud and bloom, 4-in., \$5 per 100. Mrs. E. G. Hill, Jean Viaud, Bruant, Mme. Chevreliere. Beate Poitevine. Cannas—Fine, large plants in 4-in. pots ready for immediate planting, \$5.00 per 100; Burbank, Elliott, Henderson, McKinley, Vaughan, 'rosy, etc. Alternantheras—Red and Yellow, 2½-in., \$2.00 per 100. Caladiums—Fine plants, 8 to 10 leaves, 3-in. pots, \$5.00 per 100; 4-in., \$8.00 per 100. Coleus—15 varieties, \$1.75 per 100. Boston Ferns—6-in., 50c and 75c each; 7-in., \$1.00; 8-in., \$1.25; 9-in., \$1.50. Roses—2000 Brides, 2½-in. rose pots, \$3.50 per 100. Cash or C. O. D.

W. J. & M. S. VESEY, - FT. WAYNE, IND.

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BEGONIA GLOIRE DE LORRAINE

Strong, 2-inch pots, JULY DELIVERY
\$15.00 per 100; \$140.00 per 1000

J. H. REBSTOCK, 586 Main Street,
BUFFALO, N. Y.

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LOW PRICE! QUICK PROFIT!

The Anna Foster Fern.

Small 3 to 4 frond plants \$10 per 100, \$90 per 1000. Beautiful plants cut from bench at \$35, \$50 and \$75 per 100. Pot plants, 3-in., \$20 per 100; 6-in., \$1. 7-in., \$2. 8-in., \$3 each. 10,000 KENTIA PALMS.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Mention The Review when you write.

LEO NIESSEN, PHILADELPHIA.

....LILIES....

1217 Arch Street,

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CLOSE AT 6:00 P. M.

Johnson & Stokes' Kingly Collection Pansies

Every up-to-date florist should sow this **MATCHLESS** strain. Pansy buyers want substance, perfection of form, immense flowers and diversity of color. They will find all these desirable features in **OUR KINGLY COLLECTION STRAIN**, which enjoys an international reputation for superb quality. 1,000 seeds, 30c; 2,000 seeds, 50c; 5,000 seeds, \$1.00; per ounce, \$5.00.

JOHNSON & STOKES, 217 and 219 Market St. PHILADELPHIA, PA.
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PRIMROSES

IMPROVED CHINESE. Finest large-flowering fringed varieties grown, single and double, named or mixed, ready for 3-inch pots, \$2.00 per 100. Extras added liberally.

XXX SEEDS

CHINESE PRIMROSE. Finest grown, large flowering, fringed, single and double, 15 varieties, mxd., 500 seeds, \$1.00; half-pkt., 50 cts.

CINERARIA. Finest large-flowering, dwarf, mixed, 1000 seeds, 50 cts.

PRIMULA OBCONICA Grandiflora. The finest large-flowering, 1000 seeds, 50 cts.

DAISY. Double Giant, white and rose, mixed or separate, 1000 seeds, 25 cts.

GIANT PANSY SEED.

The best large-flowering varieties, critically selected, 5000 seeds, \$1.00; half-pkt., 50 cts.

47-500 seeds of Giant "Mme. Perret" added to every \$1.00 pkt. of Giant Pansy seed.

Cash. A packet of the new ever-blooming forget-me-not "Constance" added to every order.

JOHN F. RUPP, SHIREMANSTOWN, PA.
The Home of Primroses.

Wholesale Cut Flower Prices.

Philadelphia, July 8.

	Per doz.
Beauties, Specials.....	\$ 1.00 to \$ 3.00
Extra.....	1.00
No. 1.....	.75
Queen of Edgely, Specials.....	1.50 to 3.00
Seconds.....	1.50
Thirds.....	.75
	Per 100
Brides and Maids, Specials.....	\$4.00 to \$8.00
No. 2.....	2.00 to 3.00
Carnot.....	4.00 to 8.00
Golden Gates, Firsts.....	4.00 to 8.00
Seconds.....	2.00 to 3.00
Kaiserin, Firsts.....	4.00 to 8.00
Seconds.....	2.00 to 3.00
Liberty, Firsts.....	6.00 to 12.50
Seconds.....	2.00 to 4.00
Meteors, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Perles.....	2.00 to 3.00
Carnations, Commons.....	.75 to 1.50
Fancies, all colors.....	1.50 to 2.00
Prosperity.....	3.00 to 4.00
Adiantum Cuneatum.....	1.00
Asparagus plumosus, Strings.....	35.00 to 50.00
Sprenger Sprays, per bunch, 35-50c	
Candytuft.....	.40
Cornflower.....	.20
Lilium Harrisii.....	8.00 to 12.50
Lily of the Valley.....	2.00 to 5.00
Double Petunias.....	1.00
Sweet Peas.....	.25 to .40

PLEASE STOP the advertisements in the REVIEW. It's all right selling what's on hand, but a fellow wants to kick himself when orders come in and he hasn't any plants left. I will have something else to offer in a few weeks.—AUGUST BECKER, Columbia, S. C.

Hydrangeas!

Hydrangea Otaksa, 2 to 4 large blooms: fine plants in 6-in pots, \$3.50 per doz., \$25.00 per 100.

Wagner Park Conservatories, Sidney, O.
Mention the Review when you write.

Smilax Seedlings,

50c per 100.

SAMUEL S. PENNOCK,
1612-18 Ludlow St., Philadelphia.

THE E. G. HILL CO.

Wholesale Florists,

RICHMOND, INDIANA.
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EDWARD REID,
WHOLESALE FLORIST.

Carnations, Roses and Valley

1526 Ranstead St., PHILADELPHIA.

Store closes at 8 p. m.
Long Distance Telephone.

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1432 South Penn Square, Philadelphia.

PITTSBURG CUT FLOWER CO. Ltd.

WHOLESALE FLORISTS, Pittsburgh, Pa.

Maplewood Cut Flower and Plant Co. GEO. M. KELLOGG, Pres.

Growers of CUT FLOWERS at Wholesale.

Regular shipping orders given special attention. We have the largest plant west of Chicago.

Store: 906 Grand Ave., KANSAS CITY, MO.
Greenhouses: Pleasant Hill, Mo.

FOR SOUTHERN WILD SMILAX

(Where Quality is First Consideration.)

Write, Wire or Phone the Introdurers

Caldwell The Woodsman Co., Evergreen, Ala.
or their agents: L. J. Kreshover, New York; J. B. Deamud, Chicago; H. Bayerdorfer & Co., Philadelphia; W. F. Kasting, Buffalo; J. M. McCullough's Sons, Cincinnati, Ohio; H. G. Berning, St. Louis, Mo.

HARDY and ROSES from 4 or 5-inch pots at 9 cts., fine clean plants on own roots. Clothilde Soupert, Coquette des Blanches, Coquette des Alpes, La Reine, Gen. Jacqueminot, La France, Crimson and Yellow Rambler, etc. Large flowered Clematis, finest purple, white, lavender and pink sorts. 2-year, from 6-in. pots, 18c; 1-year from 3-in., 9c; Clematis Paniculata, from 6-in. pots, 10c. Extra, from 6-in., 25c. Ampelopsis Veltheim, from 3-in. pots, 5c; from 4-in., 16c; from 5-in. pots, 15c. Packing free for Cash.

W. H. SALTER, ROCHESTER, N. Y.

ALBERT M. HERR

LANCASTER, PA.

Carnations, Geraniums,
Smilax, Asparagus.

Correspondence Solicited.

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Per 100

Acalypha Macafeeana.....	\$3.50
Strobilanthes Dyerianus, 75 cts. per doz.	5.00
Abutilons in var., \$20.00 per 1000.	2.50
Pompon Chrysanthemums, 50 var., \$17.50 per 1000.	2.00
Coleus, in var., \$17.50 per 1000.	2.00
2 1/2-in. pots, per 100	
Fuchsias, in variety.....	\$2.50
Hardy English Ivy, extra strong.....	2.00
Lemon Verbena.....	2.50
Sedum variegata.....	2.00
Smilax.....	2.00
Swainsona Alba.....	2.00

(Rooted Cuttings of Hardy English Ivy, 75c per 100; \$5.00 per 1000.)
Send for trade list. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md.

Mention the Review when you write

Dracaena Indivisa

4-in pots, 10c each;
6-in. pots, 20c each.

From 3-inch pots—Stevia, Vinca Major, Golden Feverfew, Ageratum, \$25.00 per 1000.

From 2 1/2-inch pots—Berried Plants for Christmas now ready—Celestial Peppers, Solanum Ciliatum, Solanums, Amazonicum and Annum, Solanum Capsicastrum or Jerusalem Cherry (the large berry variety), Hydrangea Otaksa (pink and blue), Egg Plants, Red and Yellow Coleus, \$2.50 per 100. Genista, 2 1/2-inch, 3c each large flowering. Surplus Wm. Scott Carnations, 3-inch pots, \$1.00 per 100. Variegated Stevia from 3-inch pots, 5c each.

CASH, or will trade some for good rooted Chrysanthemum cuttings.

My plants are well established and are clean and showy.

M. F. La ROCHE, Collingdale, Pa.

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Charles Millang, New York

We are headquarters
for every kind of Cut
Flowers in their season.

"THE LILY KING." Reasonable Prices.
Square Dealing.
Out-of-town florists promptly attended
to. Telephone for what you want.
Tel. 2230 Madison Square.

Moore, Hentz & Nash

Wholesale
Florists.

55-57 W. 26th St.
NEW YORK CITY.
SHIPPING ON COMMISSION.
Tel. 2034 and 2239 Madison Square.

Established 1691.
GEO. E. BRADSHAW. JOHN B. HARTMAN.
BRADSHAW & HARTMAN,
Wholesale Florists,
53 West 28th Street, NEW YORK.
Telephone 1239 Madison Square.
Consignments Solicited.
Mention The Review when you write.

JAMES McMANUS, Telephone, 50 W. 30th St., NEW YORK
759 Madison Square.
Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND.
ORCHIDS A SPECIALTY.
HEADQUARTERS FOR NOVELTIES

W. GHORMLEY,

WHOLESALE COMMISSION,

57 W. 28th Street, NEW YORK.

The largest commission house in America

for Roses, Violets and all other varieties of Cut Flowers.

My large shipping trade enables me to command the highest prices.

Telephone 2200 Madison Square,
which ring, connects you with all our TELEPHONES.

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THE PIONEER HOUSE
Open every day at 6 a. m.
J. K. ALLEN
WHOLESALE FLORIST,
109 W. 28th Street, New York City
We ship all over the United States. Consignments realize with
us the best market prices. Tel. 167 Madison Sq.

WALTER F. SHERIDAN,
Wholesale Commission Dealer in
CUT FLOWERS
39 West 28th St., NEW YORK.
(Established 1882)
Receiving Extra Quality American Beauties
and all other varieties of Roses.
Telephone 902 Madison Square. Carnations.

BONNOT BROS.
WHOLESALE FLORISTS,
55 and 57 W. 26th St., NEW YORK.
Cut Flower Exchange.
OPEN ALL DAY!
AN UNEQUALLED OUTLET FOR CONIGNED FLOWERS.
Telephone No. 2438 Madison Sq.

JAMES A. HAMMOND,
Wholesale Commission Florist,
113 W. 30th St., NEW YORK CITY.
Tel. 854 Madison Sq.
Consignments receive conscientious and prompt
attention. Highest market price guaranteed.
The finest stock in the market always on hand.

DOUBLE FRINGED PETUNIAS
A No. 1 assortment of money-makers, strong
2-inch, \$2.00 per 100.
Geraniums—Mixed, 2-inch, \$2.00 per 100.
Verbenas—2-inch, \$1.50 per 100.
Also Chrysanthemums, Pelargoniums,
Star Petunias, Selaginellas, Salvias, etc.
E. I. RAWLINGS, Quakertown, Pa.

YOU WILL FIND ALL THE BEST
OFFERS All the time in the
Review's Classified Advs.

Wholesale Cut Flower Prices.

New York, July 8.

	Per 100
Beauties, Specials	\$ 8.00 to \$10.00
Extra	6.00 to 8.00
No. 1	2.00 to 3.00
Shorts	1.00 to 2.00
Queen of Edgley, Specials	8.00 to 10.00
Fancies	6.00 to 8.00
Seconds	2.00 to 5.00
Brides and Maids, Specials	3.00 to 4.00
Extra	2.00 to 3.00
No. 1	1.00 to 2.00
No. 2	1.00
Liberty	5.00 to 10.00
Meteor	2.00 to 4.00
Cattleyas	30.00 to 50.00
Cypripediums	12.00
Dendrobium formosum	15.00 to 25.00
Laelias	10.00 to 40.00
Carnations, Common .....	.50 to .75
Selects .....	.75 to 1.00
Fancies	1.00 to 1.50
Novelties	1.50 to 2.00
Adiantum cuneatum .....	.50 to .75
Crowneum	1.00 to 1.50
Asparagus plumosus, Strings	25.00 to 50.00
Sprenger Sprays	1.00 to 2.00
Harrisii Lilies	4.00 to 6.00
Callas	4.00 to 6.00
Valley	1.00 to 2.00
Smilax	8.00 to 12.00
Ferns, Common, per 1000, 75c.	
Fancy, per 1000, \$1.50.	

Quotations are a formality. The days are here
to stay awhile, when prices have no basis on
real value, when the market has no stable founda-
tion and when every wholesale man is a law
unto himself. The bottom dropped out when
the mercury rose and 100 degrees in the shade
did the business.

IN EVERYONE'S HANDS.

Please change my advertisement as
per copy enclosed. Am very well sat-
isfied with the results from the Classi-
fied advertisements. Can't keep up with
orders, which are coming in from Can-
ada to California, a very good evidence
that your paper is in the hands of every
florist.

Savannah, Ga.

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Pacific Florist ISSUED MONTHLY by the
Pacific Florist Publishing Co.,
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Tel. 1906 Madison Sq.

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42 West 28th Street

New York

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Wholesale Florists,
Strictly Wholesale, 34 W. 29th Street,
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55 and 57 West 26th Street,
WHOLESALE FLORISTS.
Daily Reports. Weekly Payments.
Tel. 2239 Madison Sq. J. A. MILLANG,
2034 Madison Sq. Manager.

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ALEX. J. GUTTMAN, Wholesale Florist.

All seasonable Flowers and Novelties at proper prices can be had at

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Telephone 1738 Madison.

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WHOLESALE and COMMISSION FLORIST,
115 West 30th St., NEW YORK.
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WANTED a few more reliable growers of Carnations and Violets. Only first-class stock handled.

BRANCH STORE, 48 West 30th St.,
New York. R. W. PERKINS, Manager.
Consignments Solicited. Quick returns to Shippers. Highest Market Prices Guaranteed.
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Specialties, CARNATIONS and MIGNONETTE.

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ASPARAGUS

Plumosus Nanus

2-inch pots,
\$3.00 per 100; \$25.00 per 1000

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Sprengeri

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DEARBORN ENGRAVING CO.,
300-306 Dearborn St., CHICAGO.
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Wholesale Cut Flower Prices.

Pittsburg, July 8.

	Per 100
Beauties, Specials.....	\$20.00 to \$30.00
Extra.....	10.00 to 15.00
No. 1.....	6.00 to 8.00
Brides and Maids, Specials.....	6.00
Extra.....	3.00 to 5.00
No. 1.....	1.00 to 2.00
Kaiserin.....	2.00 to 6.00
Liberty.....	2.00 to 6.00
Carnations, Common.....	.50
Selects.....	.75 to 1.00
Fancies.....	1.25 to 2.00
Adiantum Cuneatum.....	1.00 to 1.50
Asparagus plumosus, Strings.....	30.00 to 50.00
Sprays.....	2.00 to 3.00
Sprengeri, Sprays.....	2.00 to 3.00
Callas.....	3.00 to 6.00
Daisies.....	.25 to 1.00
Lily of the Valley.....	2.00 to 4.00
Smilax.....	10.00 to 15.00
Sweet Peas.....	.25 to .50
Common Ferns, \$2.00 per 1000	

Detroit, July 8.

	Per 100
Beauties, Specials.....	\$25.00
Extra.....	20.00
No. 1.....	15.00
Shorts.....	\$8.00 to 10.00
Brides and Maids, Specials.....	3.00 to 6.00
Cusin.....	3.00 to 5.00
Golden Gate.....	3.00 to 5.00
Kaiserin.....	3.00 to 6.00
Meteors.....	3.00 to 6.00
Perle.....	3.00 to 5.00
Cattleyas.....	50.00
Cypripediums.....	25.00
Carnations, Common.....	1.00 to 2.00
Adiantum Cuneatum.....	1.00
Asparagus plumosus, Strings.....	40.00 to 50.00
Sprengeri, Sprays.....	2.00 to 6.00
Daisies.....	1.00 to 2.00
Gladioli.....	3.00 to 5.00
Lilium Harrisii.....	12.50
Lily of the Valley.....	4.00 to 5.00
Smilax.....	15.00
Stocks.....	2.00 to 3.00
Sweet Peas.....	.25 to .40
Water Lilies.....	3.00 to 4.00
Galax.....	.10
Common Ferns.....	.15

I COULD NOT get along without your valuable paper. I have read all the florists' magazines and I must say yours excels them all.—P. W. HENNESSY, Joplin, Mo.

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FANCY AND DAGGER FERNS!

50c per 1000. Discount on large orders. Contracts made to supply the year around. Use our Laurel Festooning for your decorations. It's the best decorating material to be found for weddings, etc.; price 4c, 5c and 6c per yd. Galax Leaves, Green or Bronze, 75c per 1000. Mosses, etc. Everything in the hardy supplies and gathered fresh daily. Send us your wants and be well satisfied.



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TRAENDLY & SCHENCK, Wholesale Florists

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38 W. 28th St., NEW YORK.

Telephones 798 and 799 Madison Square. CONSIGNMENTS SOLICITED.

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Wholesale Florists,

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Tel. 3660-3661 Main.

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Brilliant Bronze, at 75c per 1000 in 12000 lots or more.

FERNS—Fancy, \$1.25 per 1000; Dagger, \$1.00 per 1000. Green Sheet Moss—\$2.50 per bbl. sack. Sphagnum Moss—\$1.75 per large bale.

All kinds FLORISTS' SUPPLIES.

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TEL. 597 MADISON SQUARE.

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(BASEMENT.)

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OUR SPECIALTIES.

CHAS. D. BALL,

GROWER
.....OF

Palms, Etc.

Send for
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HOLMESBURG, PHILADELPHIA, PA.

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HARDY CUT FERNS.

Write for Prices.



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DAGGER

L. B. BRAGUE,

Oldest, largest and most reliable dealer in the U. S. HINSDALE, MASS.
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PROMPT COLLECTIONS

AND PROMPT RETURNS.

Full information concerning all claims entrusted to us. Plenty of time to attend carefully to your interests.

Satisfaction guaranteed. No delays. No neglect. No waiting.

Telephone 4673 John Street.

NEW OFFICES, 56 PINE STREET,

Rooms 601, 602, 603.

NEW YORK CITY.

HARRIS E. HAYDEN, Pres.

WM. A. MOORE, Vice-Pres.

JNO. E. WALKER, Sec. and Treas.

Wholesale Cut Flower Prices.

Chicago, July 8.

	Per doz.	
Beauties, 36 to 40-inch stems.....	\$3.00	
" 30-inch stems.....	2.50	
" 24 ".....	2.00	
" 20 ".....	1.50	
" 16 ".....	1.25	
" 12 ".....	1.00	
" Shorts.....	.75	
	Per 100.	
Bridesmaids, Specials.....	\$4.00 to \$5.00	
" Firsts.....	2.00 to 3.00	
" Seconds.....	1.00	
Brides, Specials.....	4.00 to 5.00	
" Firsts.....	2.00 to 3.00	
" Seconds.....	1.00	
Kaiserin.....	4.00 to 6.00	
LaFrance.....	4.00 to 6.00	
Perles, Firsts.....	3.00 to 4.00	
" Seconds.....	1.00 to 2.00	
Liberty, Specials.....	8.00 to 10.00	
" Firsts.....	6.00 to 8.00	
" Seconds.....	3.00 to 5.00	
Golden Gate, Firsts.....	4.00 to 5.00	
" Seconds.....	2.00 to 3.00	
Meteor, Firsts.....	4.00 to 5.00	
" Seconds.....	2.00 to 3.00	
Mme. Chatenay, Firsts.....	6.00 to 8.00	
" Seconds.....	3.00 to 5.00	
Ivory, Firsts.....	4.00 to 5.00	
" Seconds.....	2.00 to 3.00	
Carnations, Fancy.....	2.00	
" Commons.....	1.00 to 1.50	
Gladioli.....	2.00 to 5.00	
Callas.....	\$1.25 a doz.	
Water Lilies.....	1.00	
Sweet Peas.....	.20 to .40	
Candidum Lilies.....	\$1 doz. stalks	
Canterbury Bells.....	25c to 35c bunch	
Auratum Lilies.....	\$1.25 to \$1.50 doz	
Valley.....	2.00 to 5.00	
Harrisii Lilies.....	8.00 to 10.00	
Peonies.....	50c to 75c per doz.	
Marguerite.....	.40 to .50	
Adiantum cuneatum.....	.75	
Asparagus plumosus, Strings.....	35.00 to 50.00	
" Sprays.....	2.00 to 3.00	
Asparagus Sprengeri, Sprays.....	2.00 to 6.00	
Smilax.....	\$1.25 to \$1.50 per doz.	
Common ferns, per 1000, \$1.25		
Galax Leaves, \$1.25 per 1000		

It is well-nigh useless to publish a price list in the present state of the market. It does little more than show the variety of stock in market, and the top prices; there is no bottom. The stock is so poor that much of it is almost useless, hardly salable at any price and, in comparison to the total daily receipts the waste has seldom been larger or average returns lower. But growers are not complaining, most of them have had a good season and are busily preparing for another.

Milwaukee, July 8.

	Per 100	
Beauties, Specials.....	\$20.00 to \$25.00	
" Extras.....	15.00 to 18.00	
" No. 1.....	10.00 to 12.50	
" Shorts.....	3.00 to 6.00	
Brides and Maids, Specials.....	6.00	
" Extra.....	5.00	
" No. 1.....	4.00	
" No. 2.....	2.00	
Golden Gates.....	4.00 to 6.00	
Kaiserin.....	4.00 to 6.00	
Meteor.....	3.00 to 6.00	
Perle.....	2.00 to 4.00	
Carnations, Selects.....	1.00	
" Fancy.....	1.50 to 2.00	
Adiantum Cuneatum.....	1.00	
Asparagus plumosus, Strings.....	50.00	
" Sprays.....	2.00 to 4.00	
" Sprengeri.....	2.00 to 4.00	
Daisies.....	.50	
Gladioli.....	4.00	
Lily of the Valley.....	4.00	
Smilax.....	15.00 to 18.00	
Sweet Peas.....	.10 to .25	
Common Ferns.....	.20	

GLENNVILLE, O.—P. J. Probeck has torn down his greenhouses and is replacing them with new structures, with somewhat larger area.

MILLINGTON, MASS.—The Crowl Fern Company report large supplies of new stock and beginning with July quoted 50 cents per thousand.

ROSWELL, N. M.—On June 27 a hail storm passed over this place, destroying all vegetation in its path. Much glass was broken in the Alameda Greenhouse, owned by Mrs. J. P. Church, and the plants inside were badly cut up.

E. H. HUNT

THE "OLD RELIABLE" FOR

**Wholesale
Cut Flowers**

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

Mention the Review when you write.

Bassett & Washburn

76 Wabash Ave., CHICAGO, ILL.

WHOLESALE GROWERS OF
AND DEALERS IN CUT FLOWERS

Greenhouses at Hinsdale, Ill.

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A. L. RANDALL,
Wholesale FloristDon't forget we are at
19 and 21 RANDOLPH ST., CHICAGO.

Write for special quotations on large orders.

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J. A. BUDLONG
37-39 Randolph Street CHICAGO.Roses and
Carnations
A Specialty....WHOLESALE
GROWER OF**CUT FLOWERS****WIETOR BROS.**Wholesale
Growers of.. **Cut Flowers**All telegraph and telephone orders
given prompt attention.

51 Wabash Avenue, CHICAGO.

WEILAND-AND-RISCHCHICAGO'S RELIABLE WHOLESALE
GROWERS AND SHIPPERS OF...**CUT FLOWERS,**

59 Wabash Avenue, CHICAGO.

SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS**Poehlmann Bros. Co.**Wholesale
Growers of
and Dealers in **Cut Flowers.**All telegraph and telephone orders given prompt
attention. Greenhouses: Morton Grove, Ill.

35-37 Randolph Street, CHICAGO, ILL.

Mention The Review when you write.

BENTHEY & CO.

35 Randolph Street, CHICAGO.

F. F. BENTHEY, Manager.

Wholesale and

Consignments Solicited.

Commission

FLORISTS

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Grower and Wholesaler of Cut Flowers

800,000 SQUARE FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave. CHICAGO, ILL.

JOHN MUNO,WHOLESALE
GROWER OF Cut Flowers.

51 Wabash Avenue, - - CHICAGO.

GREENHOUSES, ROGERS PARK, ILL.
Telephone Central 3588.**SINNER BROS.**Wholesale Growers
and Shippers of **CUT FLOWERS**

58-60 WABASH AVE., CHICAGO, ILL.

With the Flower
Growers' Co. Telephone—
Central 3067.
All telephone and telegraph orders
given prompt attention.

Mention the Review when you write.

FRANK GARLAND,Wholesale
Grower of Cut Flowers,Special attention
given to Hardy Out **FERNS.**55-57 Wabash Avenue, CHICAGO, ILL.
Telephone Central 3284.

Mention the Review when you write.

GEORGE REINBERG,

51 Wabash Ave., Chicago,

WHOLESALE DEALER IN AND
.....GROWER OF **CUT FLOWERS**Two Daily Shipments from my greenhouses.
Fresh Stock always ready for orders.
Write, Wire or Phone. Quick Service Given.**Lily of the Valley.**From cold storage. Finest in the
market. \$14.00 per 1000; \$1.50 per 100.
CUT VALLEY—The best always on hand.**H. N. BRUNS,**
1409 W. Madison St., CHICAGO.**Wired Toothpicks**

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.50; 50,000... \$6.25. Sample free.

For sale by dealers.

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MICHIGAN CUT FLOWER EXCHANGE.

WM. DILGER,
Manager.

WHOLESALE FLORISTS AND CUT FLOWER COMMISSION.

Full line of FLORISTS' SUPPLIES and SUNDRIES.

COMMON FERNS, \$1.50 per 1000.
GALAX, Bronze or Green, 1.00 “

51 Miami Ave., Detroit, Mich.

Wholesale Cut Flower Prices.

St. Louis, July 8.

	Per doz.	
Beauties, Specials.....	\$2.00 to \$3.00	
“ Extra.....	1.25 to 1.50	
“ No. 1.....	.75 to 1.00	
“ Shorts.....	.48 to .60	
Brides and Maids, Specials.....	\$4.00 to \$5.00	
“ Extra.....	2.00 to 3.00	
“ No. 1.....	.50 to 1.00	
Carnot.....	3.00 to 5.00	
Golden Gates.....	3.00 to 5.00	
Kaiserin.....	4.00 to 5.00	
Liberty.....	3.00 to 4.00	
Meteor.....	3.00 to 5.00	
Perle.....	2.00 to 3.00	
Sunrise.....	2.00 to 3.00	
Carnations, Selects.....	1.00 to 1.25	
“ Fancies.....	1.50 to 2.00	
Adiantum Cuneatum.....	1.00 to 1.25	
Adiantum Farleyense.....	1.00 to 1.25	
Asparagus plumosus, Strings.....	35.00 to 50.00	
“ Sprays.....	1.00 to 1.50	
“ Sprengerl.....	1.00 to 1.50	
Asters.....	1.50 to 2.00	
Gladioli.....	3.00 to 4.00	
Hollyhocks.....	.25 to .50	
Lily of the Valley.....	3.00 to 4.00	
Pansies.....	.25 to .50	
Smilax.....	15.00 to 18.00	
Stocks.....	.50 to 1.00	
Sweet Peas.....	.15 to .25	
Tulips, Single.....	3.00 to 4.00	
Galax.....	.15	
Common Ferns.....	.20	

Cincinnati, July 8.

	Per 100	
Beauties, Specials.....	\$25.00	
“ Extra.....	\$15.00 to 20.00	
“ No. 1.....	8.00 to 12.50	
“ Shorts.....	4.00 to 6.00	
Brides and Maids, extra.....	4.00 to 6.00	
“ No. 1.....	4.00 to 5.00	
“ No. 2.....	2.00 to 3.00	
Golden Gates.....	2.00 to 6.00	
Kaiserin.....	2.00 to 6.00	
Liberty.....	2.00 to 6.00	
Meteor.....	2.00 to 6.00	
Perle.....	2.00 to 4.00	
Carnations, Commons.....	1.00	
“ Selects.....	1.50 to 2.00	
“ Fancies.....	2.00 to 3.00	
Adiantum Cuneatum.....	.50 to 1.00	
Asparagus plumosus, Strings.....	50.00	
“ Sprays.....	4.00	
“ Sprengerl, Sprays.....	2.00 to 3.00	
Callas.....	6.00 to 8.00	
Dahlias.....	2.00 to 3.00	
Daisies.....	.25 to .50	
Gladioli.....	2.00 to 4.00	
Lily of the Valley.....	3.00 to 4.00	
Smilax.....	12.50	
Stocks.....	2.00 to 4.00	
Sweet Peas.....	.10 to .35	
Common Ferns.....	.20	

Baltimore, July 8.

	Per 100	
Beauties No. 1.....	\$10.00 to \$15.00	
“ Shorts.....	8.00 to 5.00	
Brides and Maids, No. 1.....	3.00 to 4.00	
“ No. 2.....	2.00 to 3.00	
Golden Gate.....	2.00 to 4.00	
Kaiserin.....	3.00 to 5.00	
Liberty, Shorts.....	2.00 to 3.00	
Meteor, Shorts.....	2.00 to 3.00	
Perle.....	2.00 to 4.00	
Carnations, Commons.....	.75 to 1.00	
“ Selects.....	1.00 to 1.25	
Adiantum Cuneatum.....	1.00	
Asparagus plumosus, Sprays.....	1.50 to 2.00	
“ Sprengerl, Sprays.....	1.50 to 2.00	
Sweet Peas.....	.20 to .25	

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.
Manufacturers of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

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H.G. Berning
WHOLESALE FLORIST,
1322 Pine Street,
ST. LOUIS, MO.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS.

MILWAUKEE, - WIS.

Mention The Review when you write.

Wm. Murphy,

Grower and Commission Dealer in.....

Cut Flowers and Florists' Supplies,

Telephone Main 980.

130 E. 3d Street, CINCINNATI, OHIO.

Mention The Review when you write.

Lily of the Valley

of good quality always on hand.

AUGUST JURGENS,

134 to 144 Herndon St. CHICAGO.

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J. M. McCULLOUGH'S SONS

Wholesale

FLORISTS

ALSO SUCCESSORS TO
THE CINCINNATI CUT FLOWER CO.

CONSIGNMENTS SOLICITED.

Special Attention Given to Shipping Orders.

316 Walnut St., CINCINNATI, OHIO.

Wholesale Cut Flower Prices.

Boston, July 8.

	Per 100.	
Beauties, Specials.....	\$25.00	
“ Extra.....	\$15.00 to 20.00	
“ No. 1.....	10.00 to 12.00	
“ Shorts.....	4.00 to 8.00	
Brides and Bridesmaids, Specials.....	8.00	
“ Extra.....	4.00 to 6.00	
“ No. 1.....	2.00 to 3.00	
“ No. 2.....	1.00 to 2.00	
Carnot.....	2.00 to 3.00	
Kaiserin.....	2.00 to 3.00	
Liberty.....	2.00 to 3.00	
Mrs. Morgan.....	2.00 to 3.00	
Ulrich Brunner.....	2.00 to 3.00	
Carnations, Common.....	1.00	
“ Selects.....	2.00	
“ Fancies.....	3.00	
Adiantum Cuneatum.....	.50 to 1.00	
Asparagus plumosus, Strings.....	50.00	
“ Sprays.....	1.00 to 2.00	
“ Sprengerl, Sprays.....	2.00 to 4.00	
Gladioli.....	6.00 to 8.00	
Lilium Longiflorum.....	10.00	
Lily of the Valley.....	3.00 to 5.00	
Mignonette, Ordinary.....	1.00	
Smilax.....	16.00	
Stocks.....	2.00 to 3.00	
Sweet Peas.....	.35 to .75	
Galax.....	.15	
Common Ferns.....	.15	

More goods, fewer customers, less money. On Monday morning, July 6, there was a drop of 50 per cent on sweet peas and 25 to 50 per cent on the poorer grades of carnations. Summer conditions prevail everywhere.

Buffalo, July 8.

	Per 100	
Beauties, Specials.....	\$20.00 to \$25.00	
“ Extra.....	10.00 to 15.00	
“ No. 1.....	5.00 to 8.00	
“ Shorts.....	2.00 to 3.00	
Brides and Maids, Extra.....	6.00 to 7.00	
“ No. 1.....	3.00 to 5.00	
“ No. 2.....	1.00 to 2.00	
Carnot.....	2.00 to 6.00	
Cusin.....	1.00 to 4.00	
Golden Gate.....	1.00 to 4.00	
Kaiserin.....	2.00 to 7.00	
Liberty.....	2.00 to 8.00	
Meteor.....	1.00 to 5.00	
Mrs. Morgan.....	1.00 to 5.00	
Perle.....	2.00 to 4.00	
Sunrise.....	1.00 to 3.00	
Carnations, Common.....	.50 to .75	
“ Selects.....	1.00 to 1.25	
“ Fancies.....	1.50 to 2.00	
“ Novelties.....	3.00 to 4.00	
Adiantum Cuneatum.....	.50 to 1.00	
“ Farleyense.....	8.00 to 10.00	
Asparagus plumosus, Strings.....	40.00 to 60.00	
“ Sprays.....	1.00 to 2.00	
“ Sprengerl, Sprays.....	1.00 to 4.00	
Gladioli.....	3.00 to 5.00	
Lilium Harrisii.....	15.00	
“ Longiflorum.....	15.00	
Lily of the Valley.....	2.00 to 4.00	
Smilax.....	10.00 to 15.00	
Sweet Peas.....	.10 to .30	
Water Lilies.....	.50 to 4.00	
Galax.....	.10 to .15	
Leucothoe.....	.50 to .75	
Common Ferns.....	.10 to .15	

We are well pleased with the REVIEW as an advertising medium.—W. T. STEPHENS & Co., Brookfield, Mo.

PLEASE discontinue our adv.; it has brought more orders for rose plants than we can fill.—G. VAN BOCHOVE & BRO., Kalamazoo, Mich.

FRANK M. ELLIS, Wholesale Florist, St. Louis, Mo.

1316 Pine Street,

PLENTY OF STOCK IN ALL FLOWERS IN SEASON.

A COMPLETE LINE OF FLORISTS' SUPPLIES.

Mention The Review when you write.

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The following retail florists are prepared to fill orders from other florists for local delivery on the usual basis. If you wish to be represented under this heading now is the time to place your order.

ALEXANDER McCONNELL, 546 Fifth Avenue,
Cor. 45th St., N.W.
New York City.

Telegraphic orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.
Cable Address: **ALEXCONNELL.** Telephone Calls: 340 and 341 38th Street.
WESTERN UNION CODE.

ORDERS FOR....

CHICAGO

WILL BE FILLED BY

P. J. HAUSWIRTH,
227 Michigan Ave.

Auditorium Annex. Telephone Harrison 585.

David Clarke's Sons

2139-2141 Broadway,
Tel. 192 Riverside,

New York City.

Out-of-town orders for delivery in New York carefully and promptly filled at reasonable prices.

M. A. Rowe

1294 BROADWAY,

In the heart of NEW YORK CITY.

TEL. 2270 38TH ST.

OUR MOTTO—"THE GOLDEN RULE."

HAVE YOUR

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FLORIST AND DECORATOR

104 S. Thirteenth St.

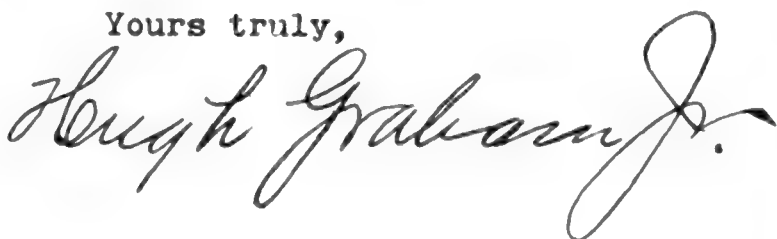
GREENHOUSES:

Logan Station, Old York Road.

Philadelphia, July 3rd, 1903

I beg leave to notify you that I have succeeded to the Florist business of my late Father, Hugh Graham, and will continue at the same places 104 So. 13th St., and Nurseries, Logan Station, Philadelphia. Hoping our business relation may continue as before, I beg to remain,

Yours truly,


CINCINNATI.**The Market.**

The hot, dry weather still continues with no signs of relief. In fact, the weather prophets say that it will be still hotter this week, which is not very encouraging. Business is now down to a regular summer basis, and the majority of stock looks it. There is very little doing with the retail men, but there is no good stock going to waste. The weather has been so dry that carnations in the field are beginning to suffer and rain is needed. Sweet peas are also showing signs of the dryness and those that are not treated to the hose quite frequently will soon be cooked.

The temperature in greenhouses has about finished roses, and most growers have thrown them out and have the new stock well on the way. With others, though, some fine stock is being cut and such varieties as Golden Gate, Ivory, La France and Kaiserin are doing first-class. Brides and Maids are very poor. Some fair Meteors are to be had, but there are very few Liberties. Beauties are very good and sell well. The supply, though, is not very large.

Carnations from the north continue to arrive in good shape and sell very well and at good prices. Several growers about here are still cutting some very good stock in spite of the hot weather. White carnations are most in demand, but good red ones find ready sale. Sweet peas are a glut. I wish to say that it is a great mistake to sprinkle them with water before shipment. This treatment has been the ruination of thousands during the past week. Pack them dry by all means, if you want to get any returns for your stock.

Notes.

The store men are now having their troubles trying to make a presentable window display. Julius Baer had quite an effective display of various colored poppies. They were quite a novelty and very pretty. Pond lilies are also being used by several stores and are always attractive, intermingled with ferns.

Max Rudolph is very busy housing his carnations. He believes in early housing and claims to get the best results. The quality of the stock he produces seems to bear out his views. He is one of the few growers who has made a success with Evelina. It is certainly a fine flower and producer the way he grows it.

Mr. Donnelly, who has been manager of the Rosebank greenhouses, has resigned his position and returned to Boston. It is his intention to sail for England shortly and from there to South Africa, where he will try his luck.

W. Rodgers has gone to Frenchlick Springs, Ind., to spend a few weeks' vacation.

H. D. Edwards of Newport, Ky., left for Old Point Comfort. He intends to visit several eastern cities.

The florists' outing is but a little over two weeks off now, so make your arrangements to come. Date: Thursday, July 23. Place: Coney Island.
C. J. OHMER.

NEOSHA, Mo.—J. G. Angel reports a good season and fine prospects. He will extend his rose house 100 feet this summer.

I COULD not get along without the REVIEW.—WM. HIGH, Purcell, I. T.

The FLORISTS' MANUAL

by
WILLIAM SCOTT

Is a book of 224 large pages (same size as those of the Florists' Review), and contains about 200 articles on commercial plants and cultural operations, each giving "the meat" only, from the personal experience of a thoroughly practical man who is in daily touch with each department of the business and who has that rare quality of being able to tell others **what they want to know**. The articles are arranged alphabetically, like those in an encyclopedia, and in an instant one can turn to the subject upon which light is desired at the moment. The book is illustrated by over 200 fine half-tone engravings. It is

**A Complete Reference Book for
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Price, \$5.00 Carriage Prepaid.

Florists' Publishing Co., CAXTON BUILDING, Chicago.

CLASSIFIED PLANT ADVERTISEMENTS.

Rate for advertisements under this head, 10 cents a line net, per insertion. New ads. and changes must reach us by Wednesday morning at latest to secure proper classification in issue of Thursday.

ABUTILONS.

Abutilons, trailing var. and green, 3 and 4-in., extra large, fine, 6c. Smaller ones, 40c doz.
Geo. M. Brinkerhoff, Springfield, Ill.

Abutilons in variety, 2½-in., \$2.50 100; \$20.00 1000. R. Vincent, Jr., & Son, White Marsh, Md.
Abutilons, assorted, 2 and 2½-in., \$1.50 100. Cash.
C. A. Reeser Co., Urbana, O.

ACALYPHAS.

Acalypha Macafeeana, \$3.50 100.
R. Vincent, Jr., & Son, White Marsh, Md.

AGERATUMS.

Ageratum, P. Pauline and Stella Gurney, 2-in. pots, \$1.50 per 100. Cash with order.
Ernest Harris, Delanson, N. Y.

Ageratum, P. Pauline, strong, 2½-in., \$1.50 100.
Buckley Plant Co., Springfield, Ill.

Ageratums, from 3-in. pots, \$25.00 1,000, cash.
M. F. La Roche, Collingdale, Pa.

ALTERNANTHERAS.

About 2,000 yellow, 500 red and 150 pink alternantheras, very large, extra well grown, \$2.00 100. W. J. Barnes, 38th and Euclid Ave., Kansas City, Mo.

Alternanthera aurea nana, \$1.50 100, \$12.50 1000; Hermsdorf, new, fine, \$2.50 100, \$20.00 1000. 2 and 2½-in. Cash.
C. A. Reeser Co., Urbana, O.

Alternanthera, 1000 red, 1000 yellow, \$2.00 100. Cash.
CHAS. A. KNAPP,
Chestnut Hill, Philadelphia.

Alternantheras, red, yellow and pink, bushy plants, \$2.00 per 100.
Chas. A. Juengel, 1837 S. 14th St., St. Louis, Mo.

Alternantheras, red and yellow, 2½-in., \$2.00 100. Cash.
S. M. Harbison, Danville, Ky.

Alternantheras, red and yellow, 2½-in., \$2.00 100. W. J. & M. S. Vesey, Fort Wayne, Ind.

ALYSSUM.

Double Giant Sweet Alyssum, 2-in. pots, \$2.00 per 100. Cash with order.
ERNEST HARRIS, Delanson, N. Y.

Double sweet alyssum, 2 and 2½-in., \$1.50 100. Cash.
C. A. Reeser Co., Urbana, O.

Dbl. Giant Alyssum, \$1.00 100.
Buckley Plant Co., Springfield, Ill.

AMPELOPSIS.

Ampelopsis Veitchii from flats, ready for 2-in., \$1.00 per 100.
Robt. Bowdler, 1723 Florida Ave., N. E., Washington, D. C.

Ampelopsis Veitchii, 3-in., 5c; 4-in., 10c; 5-in., 15c. Packing free for cash.
W. H. Salter, Rochester, N. Y.

ANTHERICUMS.

Anthericum variegatum, 3-in., 75c per doz.; 4-in., \$1.00 per doz., \$8.00 100.
F. WALKER & CO., Louisville, Ky.

Anthericum variegatum, 3-in., \$3.00 100.
J. G. Eisele, 20th and Ontario Sts., Phila.

ARAUCARIAS.

Araucaria excelsa, raised in Belgium from top cuttings only.

	Tiers.	High.	Each.
5½-in. pots	3	8 to 10 in.	50c
5½-in. pots	3 to 4	10 to 12 in.	60c
5½-in. pots	3 to 4	13 to 15 in.	75c
6-in. pots	4 to 5 tiers	16 to 18 inches high,	80c, 90c and \$1.00 each.

GODFREY ASCHMANN, 1012 Ontario St., Philadelphia, Pa.

Araucaria excelsa, 2-in., 1 to 2 tiers, \$16.00 100. Araucaria imbricata, 2½-in., strong, stocky, \$10.00 100.
F. LUDEMANN, 3041 Baker St., San Francisco, Cal.

Araucaria excelsa, from 50c upward. Fine plants. Araucaria compacta, from \$1.00 upward. Fine plants.

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Araucaria excelsa, 2 to 3 tiers, \$5.25 per doz.; 3 to 4 tiers, \$7.50 per doz.

The CONARD & JONES CO., West Grove, Pa.

ASPARAGUS.

Asparagus Sprenger, 2-in., \$2.00; 3½-in., \$2.50; 3-in., \$3.00 100. A. plumosus nanus from flats, \$2.00 100; \$15.00 1000. Express prepaid.
Loomis Floral Co., Loomis, Cal.

Asparagus plumosus nanus, from flats, \$2.00 100, \$15.00 1000; 6-in. pots, \$10.00 100. A. Sprenger, 3½-in., \$2.00 100, \$15.00 1000. Express prepaid.

CALIFORNIA CARNATION CO., Loomis, Cal.

Asparagus Sprenger, 2 and 2½-in., strong, \$2.00 100, \$15.00 1000; A. plumosus nanus, 2 and 2½-in., equal to 3 and 4-in., \$3.00 100, \$25.00 1000. Cash. C. A. Reeser Co., Urbana, O.

Asparagus plumosus nanus, out of 2½-in. pots, \$3.00 100; \$25.00 1000. Sprenger, out of 2½-in., \$2.25 100; \$20.00 1000. Cash with order.
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Asparagus plumosus plants, 2-yrs.-old, \$5.00 100; fine for strings. Asparagus Sprenger, 2½-in. pots, extra, \$2.50 100.
JOSEPH WOOD, Spring Valley, New York.

Asparagus Sprenger, from flats, \$1.00 100, \$6.00 1000; 5000 for \$25.00; 2½-in., \$1.50 100, \$12.50 1000.
S. Whitton, 15 Gray Ave., Utica, N. Y.

Asparagus Sprenger, 2½-in., \$3.00; 3-in., \$4.00; 4-in., \$3.00; 5-in., \$15.00; 6-in., \$25.00 100.
J. H. Bornhoeft, Tipton, Ind.

10,000 strong Asparagus Sprenger, 2½-in., \$20.00 per 1000. Samples sent on application.
WALKER & McLEAN, Youngstown, O.

Asparagus plumosus nanus, 2½-in. pots, \$4.00 100. Sprenger, 2½-in. pots, \$2.50 100.
EDW. J. TAYLOR, Southport, Conn.

Asparagus Sprenger, 2-in. pots, \$2.00 100. A. plumosus nanus, July, \$2.50 100. Cash.
Jos. H. Cunningham, Delaware, Ohio.

Asparagus plumosus, 2, 2½, 4 and 5-in. A. Sprenger, seedlings, 2, 3 and 4-in.
Geo. A. Kuhl, Pekin, Ill.

Asparagus Sprenger, 2½-in., extra strong, \$3.00 100. Ready for 3 and 4-in. now.
Geo. M. Brinkerhoff, Springfield, Ill.

Asparagus Sprenger and A. plumosus nanus, 2-in., \$3.00 100; \$25.00 1000.
ISAAC H. MOSS, Govanstown, Baltimore, Md.

Asparagus Sprenger and plumosus, extra strong, 2-in., \$30.00 1000.
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ASPARAGUS PLUMOSUS NANUS.

Cut strings, 50 cents each.

W. H. ELLIOTT, BRIGHTON, MASS.

Asparagus plumosus nanus, 50c doz.; \$3.00 100.
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Asparagus plumosus, all sizes.
A. S. MACBEAN, Lakewood, N. J.

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Asters from 2-in. pots. Branching and Perfection, white, pink, rose and mixed colors, good plants ready for shipment \$1.50 100; \$12.50 1000.
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SEMPLE'S ASTERS, five colors mixed. White and shell-pink, in separate colors, \$2.50 1000.
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A few hundred asters, Semple's white and lavender, 30c 100. Cash.
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BANANAS.

Bananas, well rooted plants by express, \$2.00 doz. Bulbs, \$1.50, postpaid.
SOUTH FLORIDA NURSERY CO., Dade City, Fla.

BAY TREES.

Bay Trees. Have just received a fine lot of standards and pyramids.
F. W. O. Schmitz, Prince Bay, N. Y.

Bay Trees. Largest stock in America.
JULIUS ROEHRS, Rutherford, N. J.

BEGONIAS.

Begonia Gloire de Lorraine and Begonia Gloire de Lorraine nana compacta. Our improved variety awarded a silver medal by the Massachusetts Horticultural Society. Plants of either sort, from 2½-in. pots, \$15.00 100; \$140.00 1000. Delivery July and August. All orders east of the Mississippi River will be sent prepaid.
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Begonia Gloire de Lorraine, 2½-in. pots, \$15.00 per 100. Write for prices on large lots. Stock guaranteed absolutely free from disease.
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Begonias, in 10 var., 3½-in. pots, \$3.00 100. Rex begonias, 2½-in. pots, \$3.50 100; 3½ and 4-in. pots, \$5.00 100. Cash.
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Begonia Gloire de Lorraine, strong 2-in., July delivery, \$15.00 100, \$140.00 1000.
J. H. Rebstock, 596 Main St., Buffalo, N. Y.

Rex begonias, a number of the best varieties, 2-in., \$4.00; 2½-in., \$6.00 100.
N. O. CASWELL, Delavan, Ill.

Begonias, assorted, 2 and 2½-in., \$2.00 100. Cash.
C. A. Reeser Co., Urbana, O.

BERRIED PLANTS.

Berried plants for Christmas now ready, from 2½-in. pots. Write
M. F. LA ROCHE, Collingdale, Pa.

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Callas and Freesias. Ready for delivery during July and August. Will book your order now at the following prices: Callas, 1 to 1½-in. in dia. at \$3.00 per 100; 1½ to 2-in. in dia. at \$5.50 per 100; 2 to 2½-in. in dia. at \$7.50 per 100. Freesias, ¾-in. in dia. at \$3.00 per 1000; ½-in. in dia. at \$4.25 per 1000; ¾-in. in dia. at \$7.50 per 1000. Packing free. We also offer the following palm seeds: Phoenix canariensis at \$1.00 per 1000; Phoenix reclinata at \$4.00 per 1000; Washingtonia filifera at 75c per lb. (in hull); Washingtonia robusta at \$1.00 per lb. (in hull). Cash with order from unknown parties.
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100,000 paper white narcissus bulbs, Calif. grown; all fine flowering bulbs. Ready for delivery from June 15 to Oct. 1, \$6.00 1000. Cash with order.
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American-grown bulbs of narcissi and daffodils, for August delivery. Send for list and prices.
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Bulbs, Plants, Seeds, Hyacinths, Tulips, Narcissus, Lilies, etc. Special prices on application.
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Freesia refracta alba, ready July 1. Calla ethiopica, ready August. Order early.
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Send for our annual trade list of bulbs, just published.
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Calla bulbs, all sizes. Write for prices.
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Cacti, \$5.00 to \$8.00 per 100.
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Caladiums, fine plants, 3 to 10 leaves, 3-in., \$5.00; 4-in., \$8.00 100.
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200 caladiums, 8c each.
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CANNAS. An exceptionally fine lot of cannas, 4-in. pots of the following varieties: Florence Vaughan, A. Bouvier, Burbank, E. Crampbell, Midway and Sec. Nicholas, at \$6.00 per 100.
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Cannas Bouvier, Burbank, Charlotte and Cleveland, 3-in., 12 to 18 inches high, \$2.50 100. Cash.
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2000 cannas, Queen Charlotte, Crozy, Egandale, \$5.00 100. Cash. CHAS. A. KNAPP,
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Cannas. Fine sorts, Mme. Crozy and Austria, 4-in. pots, \$5.00 100. Cash with order.
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Cannas, started plants from 3-in. pots, good selection of varieties, \$4.00 per 100.
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Splendid collection; stock fine. Write.
John Scott, Keap St., Brooklyn, N. Y.

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Centaurea gymnocarpa, 2½-in., \$2.00 100. Cash.
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Timothy Eaton \$2.50 \$20.00

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Glory of Pacific 2.50 20.00

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Chrysanthemums. Surplus stock in 2½ and 3-in. pots, \$2.50 per 100. Liberal count to help on express. Clara Bloodgood, Superba, Intensity, Goldmine, Mrs. H. Robinson, Wanamaker, Niveus, Ivory, Pink Ivory, Golden Wedding, Lincoln, Glory of the Pacific, Yonoma, Mrs. Jerome Jones, Major Bonnafton. Send for complete list of other up-to-date varieties. Cash with order.

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Chrysanthemums. Fine plants now ready, \$1.50 per 100. To close out. Mrs. Egan, Glory Pacific, Simplicity, Indiana, Bonnafton, Mrs. H. Weeks, Eda Prase, Mrs. O. P. Bassett, Mrs. J. C. Whildin, Mrs. J. Lewis Childs, Mrs. Perrin, Dorothy Toler and Monarch of Ostreich Plumes. Will sell or exchange. What have you? FAIRVIEW FLORAL CO., Beatty, Ohio.

Chrysanthemums, strong, healthy stock from 2½ and 3-in. pots, \$3.00 100. Maud Dean, Appleton, yellow Jones, Murdock, Polly Rose, Merry Monarch, Leach, Pacific and Simpson. Cash with order, please.

Emil Leuly, Summit Ave., nr. Angellique St., West Hoboken, N. J.

Chrysanthemums, 2½-in. pots, branched or single stem, fine. W. Bonnafton, Timothy Eaton, Col. D. Appleton, Goldmine, A. J. Balfour, Intensity, \$2.50 per 100. Yellow Bonnafton, October Sunshine, \$1.50 per 100. Cash, please. A. Relyea & Son, Poughkeepsie, N. Y.

Chrysanthemums, extra strong plants, all 3-in. pots, \$3.00 100. Golden Wedding, Bonnafton, Pres. Smith, Kalb, Chadwick and other standard varieties.

Geo. M. Brinkerhoff, Springfield, Ill.

Chrysanthemums, fine plants. Major Bonnafton, Mrs. Robinson, Chadwick and Golden Wedding, \$2.25 per 100. Cuttings of the above, \$1.00 per 100. OTTO HANSEN, Mont Clare, Ill.

Chrysanthemums, good commercial varieties, strong 2½-in. plants, \$2.50 100, \$20.00 1000. R. C., \$1.00 100, \$9.00 1000, 500 at 1000 rate. Krueger Bros., Toledo, O.

Chrysanthemums, 2½-in. pots, Eaton, Appleton, Parks, Robinson, Polly Rose, \$3.00 100; \$25.00 1000. T. O'CONNOR, Blackstone Blvd., Providence, R. I.

Chrysanthemums rooted cuttings, White Ivory, Glory of Pacific and Whildin, \$1.50 per 100. Appleton and Eaton, \$2.00 per 100. Wm. Swayne, Box 226, Kennett Square, Pa.

SURPLUS STOCK of chrysanthemums. 50,000 of the leading varieties. See displayed adv. or write for catalogue. Nanz & Neuner, Louisville, Ky.

Chrysanthemums in 2½-in. pots. All the standards and all the novelties. See displayed ad. H. WEBER & SON, Oakland, Md.

1000 YELLOW EATONS, 25c ea., \$2.50 doz., \$15.00 100. Strong, healthy plants out of 2½-in. pots. A. N. PIERSON, Cromwell, Conn.

Chrysanthemums; see issue of May 28 for varieties and prices. Poehmann Bros. Co., Morton Grove, Ill.

Chrysanthemum novelties, 25c each, \$2.50 doz. For varieties see displayed adv. in this issue. NATHAN SMITH & SON, Adrian, Mich.

100,000 rooted A1 chrysanthemum cuttings in all standard varieties. For prices write WM. SIM, Cliftondale, Mass.

Chrysanthemums, 2½-in. pots, \$20.00 1,000. Write for list of varieties. Crabb & Hunter, Grand Rapids, Mich.

Chrysanthemums, 250 Kalb in 3-in. pots, good clean stock, \$2.50 per 100. W. T. STEPHENS & CO., Brookfield, Mo.

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Leading chrysanthemums in pots or out, \$5.00 per 100. David S. Beach, Bridgeport, Conn.

CLEMATIS.

Large-flowered clematis, 2-yr., from 5-in., 18c; 1-yr., from 3-in., 9c; C. paniculata, 5-in., 10c; extra from 6-in., 25c. Packing free for cash. W. H. Salter, Rochester, N. Y.

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45, 47, 49 Wabash Ave., Chicago.

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FLORAL DESIGNS.

Wax Flowers and Wax Floral Designs.
J. Stern, 1928 Germantown Ave., Phila., Pa.

GALAX LEAVES.

Galax, bronze or green, and small green galax for violets.
L. J. Kreshover, 110 West 27th St., N. Y.

GALAX LEAVES. Bronze or green.
A. J. Fellouris, 468 Sixth Ave., New York.

GALAX LEAVES, green or bronze.
N. Lecakes & Co., 53 W. 28th St., New York.

GALAX LEAVES, green or bronze.
Crowl Fern Co., Millington, Mass.

GALAX LEAVES, Green or bronze.
H. M. Robinson & Co., 11 Province St., Boston.

GLASS, ETC.

Greenhouse glass, paint and putty are our specialties.
Casper Limbach, Pittsburg, Pa.

Greenhouse glass a specialty. Sprague, Smith Co., 207-209 Randolph St., Chicago.

We make a special greenhouse putty. Price on application. Lord & Burnham Co., Irvington-on-Hudson, N. Y.

Florists' Specialties in Glass, Paint and Putty. Instructive advertising free for the asking. Write JOHN LUCAS & CO., Philadelphia, Pa.

Glass (new), 75 boxes 18x20 double strength A and 30 boxes 16x24 single strength A.
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Glass, new, 40 boxes, 16x18 dbl. A, and 40 boxes, 16x16 dbl. A.
A. C. CANFIELD, Springfield, Ill.

Importers and jobbers of greenhouse glass.
WHEELER-STENZEL CO.,
30 Sudbury St., Boston, Mass.

Greenhouse glass and putty a specialty.
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GREENHOUSE GLASS. Write
Vanhorne, Griffen & Co., 40 Vestry St., N. Y.

HOSE.

Bull-dog hose, 7 ply, guaranteed; 1/2-in., 16c ft.
U. Cutler Ryerson, Newark, N. J.

Good Hose, J. G. & A. Esler, Saddle River, N. J.

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Use SULPHO-TOBACCO SOAP and have clean, healthy plants. Sample free cake if you mention The Florists' Review.

LARKIN SOAP CO., Buffalo, N. Y.

SURE CURE WASH for all insect life and mildew, etc., on roses, orange trees, etc. Trade pkt. by mail, 25c.
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Send for a 5-lb. trial pkg. of our TOBACCO POWDER. Our booklet tells of it. Write Dept. D. for it.
H. A. Stoothoff Co., 116 West St., New York.

Rose Leaf Extract of Tobacco will save you money. For free booklet write KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Tobacco dust, fresh stock, \$1.75 100 lbs.; stems about 100-lb. bales, 1c per lb.
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DUNNITE, a formula for preventing and remedying BLACK SPOT on rose plants. Write us.
Dunne & Co., 54 West 30th St., New York.

Fresh tobacco stems, bales 200 to 500 lbs., 75c per 100 lbs. Freight paid.

U. Cutler Ryerson, 108 8d Ave., Newark, N. J.

Tobacco stems, fresh and strong, bale of 300 lbs., \$1.50. W. O. Beckert, Allegheny, Pa.

NICOTICIDE kills all greenhouse pests. Sold by all seedsmen.

PAINT AND PUTTY.

TWEMLOW'S OLD ENGLISH GLAZING PUTTY. An old article when goods were made for quality, not cheapness. It lasts a lifetime and is the best article today for all greenhouse glazing. Makes a firm, lasting bed for glass, unaffected by heat or cold. No leaky sash-bars when this is used.

1-gallon can (16 lbs.)..... \$1.25
5-gallon can 5.90
10-gallon can 12.00
20-gallon can 23.00
E. H. HUNT, 76-78 Wabash Ave., Chicago.

POTS.

Standard Pots. We are now ready to supply a superior quality of pots in unlimited quantities. Catalogues and price lists furnished on application.

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Standard Flower Pots. If your greenhouses are within 500 miles of the Capital, write us; we can save you money. W. H. Ernest, 28th and M Sts., N. E., Washington, D. C.

Flower Pots. Before buying write us for prices. Geo. Keller & Son, 361-363 Herndon St. (near Wrightwood Ave.), Chicago.

Those RED pots. The right kind.
C. O. POLLWORTH CO., Milwaukee, Wis.

Red pots. Write for prices and sample pot.
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SPHAGNUM MOSS.

Sphagnum moss of first quality. Can ship at a moment's notice—2 bales, \$1.50; 10-bale lots, \$6.00. Z. K. JEWETT & CO., Sparta, Wis.

Sphagnum moss. Write for prices on large quantities. Crowl Fern Co., Millington, Mass.

Sphagnum moss. Write for prices.
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Three fine gray squirrels, one male and two females, with wire cage, \$5.50. Are tame and can be handled.

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TIN FOIL.

American brand FLORIST FOIL—The standard foil of America.
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TOOTH PICKS.

Wired toothpicks, 10,000, \$1.50; 50,000, \$6.25. Sample free. For sale by dealers.
W. J. COWEE, Berlin, N. Y.

Wired toothpicks, box of 10,000, \$1.50.
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WIRE SUPPORTS.

Model Extension carnation supports and galvanized rose stakes. Parker-Brues Mfg. Co., 208 Jersey St., Harrison, N. J.

Model Extension carnation supports; also galvanized rose stakes and tying wires.
Igoe Bros., 226 North 9th St., Brooklyn, N. Y.

WIRE WORK.

We are the largest manufacturers of wire work in the west. E. F. Winterison Co.,
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We are manufacturers—no middleman's profits.
C. O. POLLWORTH CO., Milwaukee, Wis.

Emil Steffens, Manufacturer of Florists' Wire Designs. 335 East 21st St., New York.

Reed & Keller, 122 W. 25th St., New York. Manufacturers of Wire Designs.

E. H. Hunt, 76-78 Wabash Ave., Chicago.

A FAULTY INSTALLATION.

We have a house 33x126, one 8x126 and a lean-to 19x11 1/2. In the wide house there are three 3-inch hot water flows, with 1 1/2-inch returns. In the lean-to there is a 2-inch feed pipe, a coil of 1 1/2-inch pipes and a 2-inch return. The flow pipe from the boiler is a 5-inch, decreasing as each house is taken off, and the return increases as it passes from the lean-to, the narrow house and the wide house. The lean-to is to the east, and we call the coils Nos. 1, 2, 3, 4 and 5 from

east to west. There is a rise of three feet from the top of boiler to end of flows. The return pipe drops five feet perpendicularly on entering the boiler shed. The boiler, a 10-section Magee, is supposed to have a capacity of 2,975 feet of radiation. On firing this installation, using a good grade of soft coal, the only run which worked was No. 1, in the lean-to, the return pipe, on leaving the house, being very nearly as hot as the flow where it entered. Run No. 2 failed entirely to heat the returns and Nos. 3, 4 and 5 heated the 1 1/2-inch coil only for about 20 feet at the far end of the house, this when all the flows were so hot we could hold a hand on them only a few seconds. There was considerable pressure on, and no air in the pipes so far as we know. What do you think is the trouble? Could we make the apparatus work by using 2-inch pipes in the coils? Instead of running the pipes under the benches, should we take our 3-inch flows at an angle of 45 degrees until they are 18 inches from the gutters and then run them upward until at the far end of the house they are against the under side of the gutter, then returning to the main with the 2-inch pipes on the walls or posts? Will the 3-inch flows supply five 2-inch returns.

D. B.

The slow circulation may be due to a number of causes which are not indicated in the sketches and description forwarded. No mention is made of the grades of the circulating pipes nor the arrangement of fittings and connections between the circulating coils and return mains, whether the coils connect to the side of the mains at grade or drop to mains at a lower level and whether they connect to top or side. These details may have a close relation to the existing trouble, and in view of the fact that the water circulates quickly around coil No. 1 and is hot in the return main until No. 2 coil is reached and backs up coil No. 2 would lead one to look for the cause of the trouble at some of these points. In coil No. 2 the flow run of 124 feet of 2-inch pipe is too long to feed the six lines of 1 1/2-inch pipes. It were better to make one-third of the pipes in the coils flows and two-thirds returns. The rearrangement proposed would tend to give better results, but if they will send sketch and description of the coil connections to the returns and state accurately the direction and extent of the grades of coil pipes, I will endeavor to give more detailed advice.

HENRY W. GIBBONS.

IN ONE MAIL.

ALWAYS glad to renew; your paper is one of our necessities.—J. SYLVESTER, Oconto, Wis.

CHECK enclosed; we could not do without the REVIEW.—H. F. HOUSE & Co., Hiram, Ohio.

IT IS like being out of the world to be without the REVIEW after one has been reading it for any length of time.—H. V. BETTS, Ormond, Fla.

I THINK it only right and just to encourage you in your work of editing the best florists' paper in America, by saying that if I could only afford one paper it would be the REVIEW.—A. J. BOOTHMAN, Adams, Mass.

PLEASE MENTION THE REVIEW WHEN WRITING ANY OF THESE ADVERTISERS.

SAN FRANCISCO.

The Market.

Business is very quiet at present. The last week has been one of the duller we have had for some time. Most of our flower buyers are out of town and although there were a fair number of wedding decorations during June, that is about all we had to console us. Funeral work is chiefly noticeable by its absence and the demand for flowers for other purposes is very poor indeed. Good roses are scarce. I have not seen anything offered during the last week that was really first-class. Carnations are in good supply but the quality is only fair. Plenty of outside stuff is seen and it is bought largely by sidewalk merchants, although some of our first-class stores use a good quantity of outdoor Gen. Jacqueminot roses, which are of good color and substance, with good stiff stems.

Notes.

We regret to chronicle the death of A. J. Johnson, of Astoria, Oregon. Mr. Johnson was one of the pioneers on this coast and an authority on forestry. He conducted a large nursery for many years and was the first to ship florists' moss in quantity to San Francisco. This industry has now assumed large proportions. He was well known to eastern and European collectors as one of the most reliable men in the business. Mr. Johnson was unmarried at the time of his death, but left a brother in San Francisco.

Alexander Crow, deputy state horticultural commissioner, has removed to his new quarters in the Ferry building.

The Oakland branch of the California State Horticultural Alliance has moved its quarters to the Board of Trade rooms. The members of this branch are very enthusiastic and expect to astonish the public at their exhibition, to be held in Oakland in the middle of August. A. D. Pryal is president of the society and J. T. Shepherd secretary.

ELWOOD, IND.—W. H. Woerner, who recently sold out his greenhouse business, has about decided to locate here permanently and manufacture wire designs for florists.

Smilax

2-inch, \$1.25 a hundred; \$10.00 a thousand.

Roses

Golden Gates—3-inch, \$5.00 a hundred.
Brides—3-inch, \$5.00 a hundred. All A1 stock, in fine condition.

Palms

Kentia Belmoreana and Forsteriana, fine 4-inch stocky plants, \$25.00 a hundred.
Latania Borbonica—4-inch, \$10.00 a hundred.
Latania Borbonica—3-in., \$7 a hundred.

J. B. HEISS,

The Exotic Nurseries. Dayton, Ohio.

Mention The Review when you write.

To Clean Out.

GOLDEN GATE, 2½-in.....\$2.50 per 100; \$20.00 per 1000
AMERICAN BEAUTY, 2½-in... 4.00 per 100; 35.00 per 1000

These plants are all in fine condition.

Am. Beauty Bench plants cut down to 12 inches,
\$5.00 per 100; \$40.00 per 1000

JOHN MUNO,

51 Wabash Ave., CHICAGO, ILL.
GREENHOUSES: ROGERS PARK.

Mention the Review when you write.

GRAFTED ROSES.

Our Grafted Roses are fine, bushy plants, grown in 3½ and 4-inch pots, and are the best that can be produced.

Liberty, Ivory, \$18.00 per hundred.

Bridesmaids, Brides, Golden Gates,
\$15.00 per hundred.

Send for catalogue.

J. L. DILLON, BLOOMSBURG, PA.

SURPLUS STOCK—50,000 Chrysanthemums

Black Hawk, Bouquet of Roses Henry Nans, Mrs. Jerome Jones, Mrs. O. P. Bassett, Mrs. Henry Robinson, Mrs. Perrin, Ivory, Yanoma, White Bonaffon, Willowbrook, Mrs. J. T. Anthony, Goldmine, Helen Bloodgood, Sunderbruch.

2-inch pots, \$3.00 per 100; \$25.00 per 1000.

Timothy Eaton, W. H. Chadwick, Col. D. Appleton, and many other leading sorts; for description see catalogue.

1000—ROSES—1000

Fine Stock for Benching.

American Beauties, 3½-inch pots.....\$10.00 per 100
White La France, 3-inch pots..... 6.00
Pink La France, 3-inch pots..... 6.00

Come Quick. **NANZ & NEUNER, Louisville, Ky.**
Address,

Mention The Review when you write.

750,000 Forcing Roses, Mums and Stevia from Stock.

Printed price list mailed on inquiry, or see issues of Florists' Review for May 21 and 28 for list of varieties and prices.

Poehlmann Bros. Co., Morton Grove, Ill.

Mention The Review when you write.

Primroses. Asparagus.

Chinese, 2-in. pots. July.....\$2.00 per 100
Obconica, alba and roses..... 2.00
Forbesi, "Baby"..... 2.00
Geraniums..... 2.00

Sprengeri, 2-in pots.....\$2.00 per 100
Plumousus Nanus, July..... 2.50
Plumousus Seed, \$6.50 per 1000. 1.00
Brides and Maids..... 3.00

CASH, PLEASE.

JOS. H. CUNNINGHAM, - - Delaware, Ohio.

Mention The Review when you write.

MARIE LOUISE VIOLETS.

Have about 50,000 of my famous violets ready now to plant out. Fine plants at \$2.00 per 100 or \$15.00 per 1000. Send for sample, 10c. Cash with all orders. Don't wait or you will be left like last year.
GEORGE T. SCHUEMANN,
Violet Range, Baldwin, L. I., N. Y.

CYCLAMEN

Nothing but the best giganteum persicum, large flowered, 3-inch, ready for 4-inch, \$5.00 per 100.

Asparagus Sprengeri—From flats, ready for potting up, \$1.00 per 100; \$6.00 per 1000. 5000 for \$25.00. 2¼-inch, \$1.50 per 100; \$12.50 per 1000.

SAMUEL WHITTON, 15-17 Gray Ave., UTICA, N. Y.

E. F. WINTERSON CO.

SUCCESSOR TO McKELLAR & WINTERSON.

SUPPLIES everything used by Florists, Nurserymen, Gardeners, Seedsman, Cemeteries, Parks, etc.

Headquarters on CUT FLOWERS.

WRITE FOR WEEKLY PRICE LIST.

45-47-49 Wabash Avenue,

TELEPHONE
MAIN 1129.

CHICAGO.

Mention the Review when you write.

ORDER ROSES AT ONCE

Following varieties and sizes in stock:

Meteors, 2 and 2½-in.; Brides, 2, 2½ and 3-in.;
Maids, 2, 2½, and 3-in.; Kaiserins, 2, and 4-in.;
Pearls, 2 and 3-in.; Beauties, 2 and 3-in.; Liberty,
2, 2½ and 3-in.; Golden Gate, 2, 2½ and 3-in.;
La France, 2 and 3-in.; Belle Siebrecht; Pres. Car-
not, 2-in.; Ivory, 2 and 3-in.; Woottons, 2 and 3-in.

BOSTON FERN—5, 6, 7, 8 and 10-inch.

FLUMOSUS—2, 2½, 3, 4 and 5-inch.

SPRENGERI SEEDLINGS—2, 3, 4 and 6-in.

WRITE

GEO. A. KUHL, PEKIN, ILL.

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Surplus Stock IN ROSES.

Ready for immediate planting.

2000 Mme. Cusin.
2000 Mme. Pierpont Morgan.
2000 Meteor.
2000 Bridesmaids.
2000 Bon Milane.
1000 Isabella Sprunt.
1000 Safrano.
300 Perle.

8-inch pots, \$6.00 per 100; \$50.00 per 1000. 4-
inch pots, \$8.00 per 100; \$75.00 per 1000.

JOHN BREITMEYER'S SONS,
DETROIT, MICH.

Mention the Review when you write.

Zirngiebel GIANT PANSIES

Market and Fancy Strains

are the finest grade this season that we
ever sent out when large size and colors
are wanted.

As growers, we know every strain of
note in cultivation and we can recom-
mend our pansies as unequalled.

New crop seed ready now in trade
packages of either strain, at \$1.00 each.

Denys Zirngiebel

NEEDHAM, MASS.

Mention the Review when you write.

Pansies The Jennings Strain.

New crop seed now ready. Large flowering.
finest colors in great variety. By mail, 8000
seed, \$1.00; ½-pkt., 50c; 1 oz., \$5.00; 2 oz., \$9.00;
3 oz., \$12.00. Separate colors in blue, black, red,
white and yellow, 50c pkt. Cash with order.

E. B. JENNINGS,

Lock Box 254. SOUTHPORT, CONN.

Grower of the Finest Pansies.

Mention Review when you write.

ROSE PLANTS

	Per 100	Per 1000
Sunrise, 2½-inch.....	\$7.00	\$65.00
Golden Gate, 2½-inch.....	2.50	20.00
One-year-old Liberty, bench plants, cut down to 12 inches.	5.00	40.00

	Per 100	Per 1000
Meteor, 3½-inch.....	\$4.50	\$37.50
Beauty, 3-inch.....	6.00	50.00
Ivory, 2-inch.....	3.00	25.00
Liberty, 3-inch, very fine stock.	10.00	80.00

American Beauty,

bench plants, cut down to 12 inches
high, \$4.00 per 100.
35.00 per 1000.

All stock sold under express condition that if not satisfactory it is to be returned
immediately when money will be refunded. No plants or cuttings sent by mail.
Cannot accept orders for less than 50 of a variety.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

Mention The Review when you write.

AMERICAN BEAUTIES

Plants from 2 by 3-inch pots, \$6.00 per 100; \$50.00 per 1000
Plants from 3-inch pots, - - 9.00 " 80.00 "

Joseph Heacock=Wyncote, Pa.

Mention Review when you write.

Sunrise

A healthy free-blooming rose
of beautiful saffron color that
every florist should plant.
Two first prizes won at the National
Rose Show.

Delivery early in July. Price, 3-inch pots,
\$9.00 per 100.

JOHN WELSH YOUNG,
GERMANTOWN, - - - PHILADELPHIA, PA.

Upsal Station, Penn. R. R.

Mention the Review when you write.

To Close Out=Roses

Golden Gates, from 2½-inch pots, fine plants,
\$2.00 per 100; \$17.50 per 1000.

WM. B. SANDS, Lake Roland,
BALTIMORE, MD.

Mention Review when you write.

Bride and Maid Roses

Cut back, well ripened, bench plants, \$2.50 per 100.
Stevia—Extra strong, 2-inch, \$2.00 per 100.

JOHN BROD, - - Niles Center, Ill.

Mention The Review when you write.

Always mention the Florists' Review when
writing advertisers.

ROSES! ROSES!

Fine, clean young stock, growing nicely, and in
prime order to plant for forcing.

Brides, Bridesmaids, Golden Gates, 100	1000
2½x3-inch.....	\$3.00 \$25.00
3-inch.....	5.00 50.00
Perles, Ivory, Meteors, 2½x3-inch..	3.00 30.00
Kaiserins, 3-inch.....	6.00

We have about 2000 fine, 3-in. VINCAS, elegant for
vases, or for stock next year, at \$4.00 per 100; and
nice 2½-in. ones at \$2.50; get a sample lot. Can-
nas—4-in., Flamingo, Henderson, Crozy, F.
Vaughan, Austria, \$5.00 per 100. Elegant 2-in.
Colerus—12 choice sorts, \$1.50 per 100; \$12 per 1000.

W. H. GULLETT & SONS, - - Lincoln, Ill.

ROSES! ROSES!

Brides and Maids, 3½-in., \$4.00, to close out
quick to make room for our new seedling carna-
tions. Flamingo, Albatross and Sunbird.

L. E. MARQUISEE, Syracuse, N. Y.

Mention the Review when you write.

Peacock'sDahlias

For plants, bulbs or cut blooms. Address

W. P. PEACOCK,
Dahlia Specialist. ATCO, N. J.

PORTLAND, ORE.

The month of June brought its usual feast of roses. The fortunate maidens who were led to the altar, and also the sweet girl graduates, fairly reveled in them. But everybody has his own roses; consequently the florists give little attention to indoor stock of that kind after June 1. The retail trade for the month averaged good. Carnations were at their best, and large quantities were used for school commencements. We will continue to have them until the middle of August, when we experience our hottest weather.

It requires very little effort to keep up an attractive window, as garden flowers, such as coreopsis, campanulas, gaillardias and sweet peas can be had in great abundance. It might interest our brother florists in the east to know that no refrigerators are used in the retail stores here.

The latest florist to visit us from a distance was E. G. Hill, of Richmond, Ind. He traveled from Frisco through the Sacramento valley, where the heat was intense. He said his visit must be brief, and it was not until we took him to the top of Willamette Heights, 20,000 feet above sea level, where he said he could look over into Indiana and see his mums and carnations doing nicely, that he could be persuaded to prolong his stay.

Portland is justly called the rose city, and Mr. Hill could not have visited us at a more favorable time. Everybody has a rose show. It would please the craft here if Mr. Hill would give his impression of Portland through the columns of the REVIEW. We have an enthusiastic amateur rose society, and much credit is due its members and the local press for the extensive cultivation of the queen of flowers.

Mrs. Frank Crump, of Colorado Springs, is in Portland, and expects to remain on the coast for several weeks.

H. J. M.

PAOLA, KAN.—Mrs. R. B. Horr has sold out to a Mr. Bennett.

SANTA CRUZ, CAL.—Miss Jeanette King, daughter of W. E. King, the florist, was married June 29 to E. B. Colom, of Los Angeles. The happy couple have the best wishes of a large circle of friends.

Palm Seeds

■ JUST 'ARRIVED per Steamer Sonoma FROM AUSTRALIA. ■

Areca Baueri.....	25c per 100;	\$2.00 per 1000
Kentia Belmoreana.....	35c	2.50
Kentia Forsteriana.....	35c	2.50
Pritchardia Seamanii.....	\$4.50	
Erythea Edulis.....	75c	6.00

ARAUCARIAEXCELSA

from 2-inch pots, one to two tiers, \$16 per 100.

Araucaria Imbricata

from 2½-inch pots, strong stocky plants, \$10.00 per 100.

Livistona Chinensis

the true variety (not Lantana Borbonica), from 2-inch pots, \$6.00 per 100.

F. LUDEMANN, SAN FRANCISCO, CAL.

B. & A. SPECIALTIES.

We have
thousands
of Kentias,

PALMS

Araucarias
and
Bay Trees.

Many florists at this season of the year are looking for something to grow on during the Summer. Here is an opportunity to purchase such stock and every enterprising man will no doubt avail himself.

KENTIA BELMOREANA.

Inch.	No. of Leaves.	Height, Inches.	Per Doz.	Per 100.	Per 1000.
2½	3 to 4	8	\$1.50	\$12.00	\$100.00
3	4 to 5	10 to 12	3.00	15.00	140.00
4	5 to 6	15 to 18	4.00	25.00	225.00
5	5 to 6	18 to 22	6.50	50.00	
5½	5 to 6	22 to 24	9.00	75.00	
			Each.	Per doz.	
6	6 to 7	24 to 26	\$1.00	\$10.00	
6	6 to 7	26 to 28	1.25	15.00	
6	6 to 7	28 to 30	1.75	21.00	
7	6 to 7	30 to 33	2.50	25.00	
7	6 to 7	33 to 36	3.00	36.00	
7	7 to 8	36 to 40	4.00	48.00	
7	7 to 8	40 to 45	5.00	60.00	
7	7 to 8	45 to 50	6.50	75.00	
8	7 to 8	50 to 55	7.50	85.00	
9	7 to 9	50 to 60	10.00	115.00	
10	7 to 9	60 to 65	12.50	145.00	
12	tubs.....	65 to 70	15.00		
12	made-up plants,	7 to 8 ft.	25.00 to \$35.00		

KENTIA FORSTERIANA.

Inch.	No. of Leaves.	Height, Inches.	Per Doz.	Per 100.	Per 1000.
3	3 to 4	12	\$2.00	\$15.00	\$140.00
4	4 to 5	15	4.00	25.00	225.00
5	5	15 to 18	6.00	50.00	
5½	5	18 to 20	7.50	60.00	
6	5	20 to 24	9.00	75.00	
			Each.	Per doz.	
6	5 to 6	24 to 28	\$1.00	\$10.00	
6	5 to 6	28 to 30	1.25	12.00	
6	6	30 to 32	1.50	15.00	
6	6 to 7	32 to 36	2.00	20.00	
7	6 to 7	36 to 42	3.00	30.00	
8	6 to 7	48 to 52	4.00	50.00	
9	6 to 7	60 to 65	7.50		
10	6 to 7	65 to 75	12.50		
12	tubs, 7 to 8	7 to 8 ft.	18.00		
12	" made-up, 7 to 9 ft.		20.00 to \$30.00		

We are pleased at all times to receive visitors at our Nurseries. We have sixty acres planted with the most interesting stock in the country. See Spring Catalogue for other stock.

BOBBINK & ATKINS, -- Rutherford, N. J.

Mention the Review when you write.

Asparagus Pl. Nanus, from flats, \$2.00 per 100 \$15 per 1000
" Sprengerii, 3½-in., 2.00 " 15 "
Mixed Ferns, 4-inch..... 5.00 " 40 "
Asparagus Pl. Nanus, 6-inch..... 10.00 "
Field-Grown Carnations—Flora Hill, Argyle, Marquis, America, \$7.00 per 100, F. O. B. Loomis.
Calla Bulbs, all sizes; **Shasta Daisy**, new crop seed; **Pansy Seed**, new crop seed. Write for prices.

Express prepaid on above except carnations.

California Carnation Co., L. Box 103. Loomis, Cal.

Mention Review when you write.

1000 Yellow Eaton!

25c each, \$2.50 per doz., \$15 per 100. Fine strong healthy plants out of 2½-inch pots....

A. N. PIERSON, - - Cromwell, Conn.
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BELOIT, WIS.—George S. Manahan has closed out his business to A. Manahan and gone back to Cuba.

FREMONT, NEB.—Charles H. Greene will read an essay, "Floriculture," before the Nebraska State Horticultural Society at its meeting here July 28 and 29.

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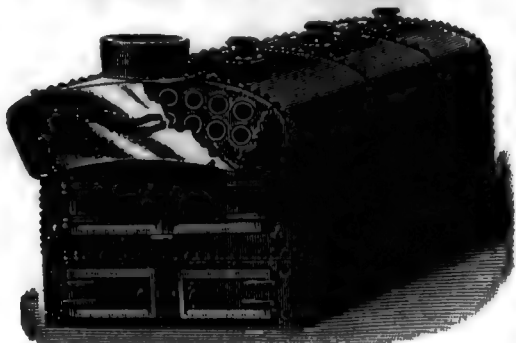
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INDEX TO ADVERTISERS.

This index covers only those having displayed
advertisements. There is a host of others mak-
ing offers in our classified ads. and they will be
found there under their proper headings.

Allen, J. K.	252	Herr, A. M.	251
Amling, H. C.	247	Herrmann, A.	238
Aachmann, Godfrey	250	Hicks & Crawbuck	253
Baker, W. J.	251	Hill Co., E. G.	251
Bail, C. D.	253	Hippard, E.	268
Barnard & Co.	257	Hitchings & Co.	266-68-70
Bassett & Washburn	254	Holton & Hunkel Co.	255
Bayeradorfer & Co.	238	Hunt, E. H.	254-67
Beach, D. S.	267	Igoe Bros.	268
Beckert, W. C.	249	Jacobs & Son	270
Bell & Sons	250	Jennings, E. B.	265
Bencke, J. J.	266	Johnson & Stokes	251
Bentley & Co.	254	Jurgens, Aug.	255
Berger, H. H. & Co.	238	Kasting, W. F.	237
Bernheimer, E.	251	Kellogg, Geo. M.	251
Berning, H. G.	255	Kennicott Bros. Co.	237
Bobbink & Atkins	268	Kramer & Son	271
Bonnot Bros.	252	Kreshover, L. J.	253
Bowe, M. A.	256	Kroeschell Bros. Co.	269
Bradshaw & Hartman	252	Kuehn, C. A.	255
Brague, L. B.	253	Kuhl, Geo. A.	250-65
Brant & Noe	250	Lager & Hurrell	266
Breitmeyer's Sons	256-65	Lange, A.	256
Brod, J.	265	Larkin Soap Co.	268
Bruns, H. N.	254	La Roche, M. F.	251
Buckley Plant Co.	250	Lecakes & Co., N.	253
Budlong, J. A.	254	Lehde, J. G.	250
Burpee, W. Atlee & Co.	249	Limbach, C.	271
Caldwell Co., W. E.	270	Livingston Seed Co.	268
Caldwell The Woods- man Co.	251	Loomis Floral Co.	267
California Carnation Co.	266	Lord & Burnham	271-72
Century Flower Shop	256	Ludemann, F.	266
Chapin Bros.	257	McConnell, Alex.	256
Chicago Carnation Co.	237	McCullough's Sons	255
Clarke Bros.	256	McManus, James	252
Clarke's Sons, David	256	McMorran & Co.	270
Classified Ads.	253	Manhattan Supply Co.	247
Cottage Gardens	253	Marquisee, L. E.	265
Cowee, W. J.	254	Michigan Cut Flower Exchange	255
Crabb & Hunter	250	Millang, C.	252
Crowl Fern Co.	253	Moninger Co., J. C.	268
Crooke Co., J. J.	268	Moon Co., W. H.	248
Cunningham, J. H.	249-54	Moore, Hentz & Nash	252
Dearborn Engraving Co.	253	Moss, Isaac H.	253
Dickinson Co., Albert	249	Muno, John	254-64
Dietsch, A. & Co.	269	Murphy, Wm.	255
Diller, Caskey & Co.	270	Nanz & Neuner	264
Dillon, J. L.	264	National Florists' Board of Trade	253
Dillon Greenhouse Mfg. Co.	271	N. Y. Cut Flower Co.	252
Dorner, F. & Sons Co.	267	Niessen, Leo	251
Dreer, H. A.	271	Park Floral Co.	256
Dunne & Co.	238	Parker-Bruen Co.	269
Eickholt, Mrs. Chas.	256	Peacock, W. P.	265
Ellis, F. M.	255	Pennock, S. S.	251
Fellouris, A. J.	238	Perkins, J. J.	253
Florists' Hall Asso.	250	Philadelphia Whole- sale Flower Market	253
Foley, J. J.	252	Pierce Co., F. O.	269
Foley Mfg. Co.	269	Pierson, A. N.	266
Foster, L. H.	250	Pierson Co., F. R.	237-38
Garland, Geo. M.	271	Pierson-Sefton Co.	271
Garland, Frank	254	Pittsburg Cut Flow- er Co.	251
Gasser Co., J. M.	256	Plant Seed Co.	249
Geller, Sigmund	238	Poehlmann Bros.	254-64
Giblin & Co.	271	Pollworth Co.	267
Gibbons, H. W.	268	Quaker City Machine Works	271
Graham, H.	257	Randall, A. L.	254
Griewold, F.	267	Rawlings, E. I.	252
Gude & Bro., A.	256	Rawson & Co.	249
Gullett & Sons	265	Rebstock, J. H.	250
Guttman, A. J.	253	Reed & Keller	238
Hammond, J. A.	252	Regan Ptg. House	267
Hancock, Geo. & Son	266	Reld, Edw.	251
Hauswirth, P. J.	256	Reinberg, Geo.	237-54
Heacock, Jos.	265	Reinberg, P.	254-65
Heiss, J. B.	264	Rice, M. & Co.	238
		Riedel & Spicer	262
		Robinson & Co.	238
		Rock, W. L.	256
		Roehrs, Julius	267
		Rupp, J. F.	251

Ryerson, U. C.	267	Thorburn, J. M. & Co.	249
Salter, W. H.	251	Tobacco Warehouse- ing & Trading Co.	267
Sampson, Wm.	233	Traendly & Schenck	253
Sands, W. B.	266	Vesey, W. J. & M. S.	250
Schluraff Floral Co.	250	Vincent, Jr. R. & Son	251
Schmits, F. W. O.	238	Virgin, U. J.	260
Schuneman, G. T.	264	Wagner Park Con- servatories	251
Scollay, J. A.	271	Weathered's Sons	270
Scott, John	250	Weber, F. O.	256
Scott, W.	256	Weber & Sons	267
Seattle Floral Co.	256	Welland, M.	256
Sheridan, W. F.	252	Welland & Risch	254
Shibeley	256	Whitton, S.	264
Siebert, C. T.	267	Wiegand & Sons	256
Siebrecht & Son	256	Wietor Bros.	254
Sievers & Boland	256	Winterson Co., E. F.	265
Sinner Bros.	254	Wittbold Co.	256
Skidelsky, S. S.	250	Wilks Mfg. Co.	270
Smith & Son, N.	267		
Smith Co., W. & T.	248	Young, John	252
Sprague Smith Co.	271	Young, J. W.	265
Stern Co., J.	238	Young & Nugent	252
Stewart, S. B.	256	Young, Jr., W. J.	250
Stump & Walter	249	Zirngiebel, D.	265
Swanson, Aug. S.	256		
Thaden & Co., H.	238		

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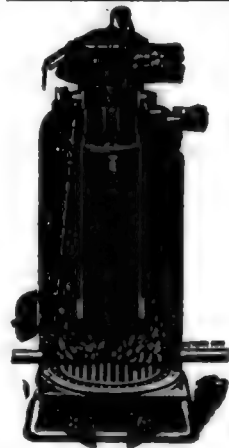
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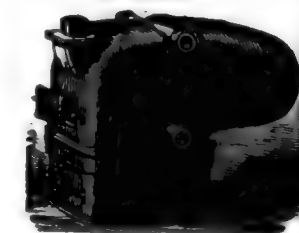
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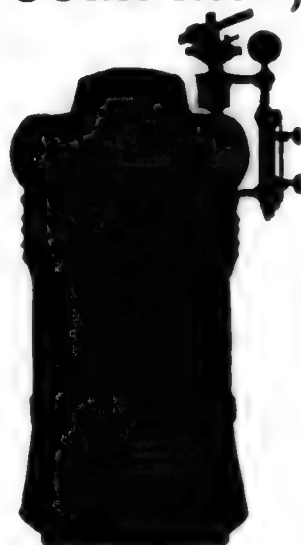
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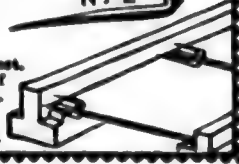
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A JOURNAL FOR FLORISTS, SEEDSMEN AND NURSERYMEN.
 FLORISTS' PUBLISHING CO., 520-535 Caxton Building, CHICAGO.

Vol. XII.

CHICAGO AND NEW YORK, JULY 16, 1903.

No. 294.

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THE RETAIL

FLORIST.....

AN ODD FELLOWS' EMBLEM.

The accompanying engraving is from a photograph of a floral arrangement by W. E. King, East Santa Cruz, Cal., for the funeral of a member of the Odd Fellows' fraternity. The three links are of stocks, carnations and ferns and are surmounted by a star of carnations festooned with adiantum ferns. The links are attached to a wire easel and the treatment of the feet of the latter seems to us to be especially good. The photographer failed to take in the full length of the feet. The lilies at the right had their full length of stem, and they made an excellent contrast to the campanulas, asparagus, etc., used at the left. Below the links but above the lilies is a panel containing the letters "F. L. T." a symbol of the order, and the name of the lodge sending the piece appears on the ribbon at the right.

Designs of this character are frequently asked for and nothing will satisfy the members of fraternal orders except floral representations of their emblems. Often the result is grotesque rather than artistic and it should be the constant effort of florists to avoid this by a somewhat free treatment of the subject. In the arrangement illustrated the emblem is readily recognized, while rigid lines have been avoided and the graceful treatment of the easel helps further to relieve the stiffness of the design.

BACKGROUNDS AND ACCESSORIES.

This is a chapter of "don'ts." Too many decorative plans do themselves injustice by their ill settings. It is just as essential to have harmony between the background and the floral decoration as to require a correct blending among the parts of the decoration itself. Color, of course, lights and shades, spacing and union of lines, depth of space and points of termination, must all be considered in selecting a plan for a decoration in front of which a receiving party is to stand. Suppose it is to be a home wedding. The first essential is to find a place where the best view can be had from adjoining rooms. This is the only thing which should deter the decorator from selecting the prettiest place in all the house. Even then it is seldom one finds a background entirely to his fancy.

A side wall, a corner, a swell window, mantel, mirror or a lace curtain drapery, are among the available places. In the first two, we are apt to run against unpromising conditions. Too often the background is a dark, papered wall of intricate and elaborate design, which displays green draperies and garlands to no advantage whatever. For most purposes, neutral tints in wall decorations are to be preferred, but not often for our uses. The soft olive green wall otherwise so beautiful and desirable throws a sickly yellow glare over the glossy smilax foliage.

Most emphatically, in these cases, don't proceed to put up a decoration

without manufacturing a new background. Don't start a new scheme or set of lines over the lines of the permanent decoration, unless you follow and elaborate upon the original design, and on a wall this is practically impossible. The only result of such an attempt would be a confusion of short lines with broken connection and the floral scheme spoiled, too. If green is to be used principally, get a good, clear background that blends with the permanent coloring of the room.

If no suitable material for the new

is a good framework. It is not necessary to cover all the wire. It can be gilded or painted the same color as the foliage used. Stretch the panel from the picture moulding to the floor, being careful to avoid puncturing the front of the woodwork and the plastering. Much destructive work can be seen on walls where tacks and nails have been driven indiscriminately, where the use of guy wires from the top and sides of the woodwork would have saved the surface of the wall.

Lace curtains are often used as backgrounds for greenery. This material is legitimate for our use if we keep within the border patterns. The same principle holds good here as with the designs on a papered or frescoed wall. Keep off the patterns. Another "don't" is in place right here. Don't let the new sets of lines which compose the temporary decoration conflict with the general outline of the permanent decoration. Take up the ideas which the frescoer or the textile artist has worked out, and elaborate



The Odd Fellows' Three Links in Flowers.

background can be found in the house, draw on your own stock of accessories or manufacture something out of your inner consciousness. Make a screen or hang some drapery of plain soft material, or make a panel of galax, asparagus, lycopodium, native autumn leaves, Alabama smilax, or some other tough foliage, as the case requires or the market affords. Common chicken wire

with flowers and foliage. One test of a good eye is the ability to analyze a design that is set in sight, as well as to create a new scheme.

Right here is another almost necessary requirement of a good floral designer, and that is a knowledge of the principles of design in its widest sense. To know by intuition that a certain bowl of flowers is arranged correctly is by no

means all. The ability to judge the accepted laws of design by the system found in natural form, with which we are brought in daily contact, is the correct basis of opinion. Without this attainment we are not fit critics even of our own work.

GERTRUDE BLAIR.

ROSES.

Treatment of Meteor.

The summer treatment of Meteor, while not differing greatly from the treatment required by other roses at that season, as does their winter treatment, is yet so far different as to require a few special remarks.

To reap the full advantage of the growing season they require very careful attention as regards ventilation. While other roses may thrive and luxuriate in a temperature which may vary from 35 to 40 degrees between day and night, and where the percentage of moisture in the atmosphere may also vary to an excessive degree without seeming to affect the healthfulness of the stock, Meteor, if subjected to the same conditions, soon begins to show the effects.

The foliage of Meteor when in perfect health has a thick, rubbery texture and a dark green, glossy color which can only be maintained by watchfulness in ventilating, both by night and day, and careful observation in regard to, and ministering to, their wants at the proper season.

Requiring a higher temperature during the night than other roses, sound judgment is needed in setting the ventilators for the night, and the anxious grower will have to devote part of his time to studying weather conditions. In fact, try to become a bit of a weather prophet, as Meteor is very susceptible to the sudden fluctuations of tempera-

ture which are so common to our summers.

The peculiar, humpy form of the older leaves of this variety makes perfect syringing a harder and more tedious task than with most other sorts, and requires greater skill and care in handling the hose to oust the spider from his lair. Experienced growers have each his own favorite method and nozzle, to which he pins his faith, to accomplish his object. The main thing is to so direct the spray from the nozzle, by a peculiar kind of up-percut, that the under side of each leaf is thoroughly washed, with sufficient force to dislodge the spider and break up the web. This requires quite a lot of practice before perfection is attained. An expert at this can rid his plants of spider with less effort and half the volume of water employed by the inexperienced, and as spider is the most insidious and persistent insect pest of the summer season, the best means of eradicating or keeping it in check should have our most careful consideration.

While Meteors are making a crop of wood they require large supplies of water, but as the wood and leaves acquire a firmer texture the water can be slightly reduced till they again commence to break. By carefully attending to this both wood and foliage will be of a finer quality than if water is used indiscriminately, independent of the stage of growth.

To help keep the soil from souring a sprinkling of air slaked lime may be ruffled into the soil every two or three weeks. This will also improve the texture of both wood and foliage.

Houses which were planted early should now have the soil well filled with roots and will require no more surface stirring. To keep the roots cool and prevent too rapid evaporation a light mulch should be applied.

Keeping the branches neatly tied up will make syringing easy and more effective, at the same time helping the plants along and adding to the appearance of the house.

RIBES.

ODONTOGLOSSUM CRISPUM.

I have sold my overstock of cattleyas and a large lot of phalaenopsis amounting to over \$500, demonstrating beyond contradiction that if you have an overstock and want to get rid of it, advertising will turn the trick. I enclose the amount of your bill. Somehow florists are shy of *Odontoglossum crispum*, even at \$1 each. How do you account for it? Easily managed and unquestionably one of the finest orchids in cultivation, all it wants is a partially shaded house facing north, with plenty of light and a cool, moist atmosphere and it will do the rest, that is, supply its owner with magnificent racemes of beautiful flowers that are the admiration of all.

R. SCHIFFMANN.

CARNATION NOTES—EAST.

Benching the Plants.

The hot weather in this section the past week has brought to our plants that hardy, mature growth so much desired when housing stock. There is less wilting, the plants become established more quickly and consequently less syringing is required.

From the time of digging until the plants have gotten under way every little detail presenting itself as of benefit should receive your personal attention. The main points are to transfer the plants to the bench as quickly as possible after digging; allow no draughts to reach them; water intelligently and syringe with caution.

With two men on opposite sides of a bench and another to deliver the plants, the operation proceeds with dispatch. Our plan is to have no more than twenty-five plants ahead of the planters, the plants being dug and immediately brought in, our field being close to the house.

In case your field is some distance away, it is best to dig very early in the morning, packing the plants in boxes about a foot deep, allowing them to stand upright, removing at once to a cool cellar or shed to be drawn upon as wanted, but be very particular to keep off any draught.

It is advisable that some soil should adhere to the roots when brought in. This is especially necessary since the practice of planting early has begun, and if you followed the plan of potting each cutting when rooted, or sometime previous to planting out, the advantage gained will be plainly seen. With care this same ball can be preserved intact and goes a long ways in keeping the plant through the period of transformation from an outdoor plant to a greenhouse one.

I am not, however, an advocate of lifting and planting a large ball; neither am I in favor of securing all the roots possible. This may seem a radical departure from former methods, when the general advice on lifting any plant has been to secure all roots possible, but from experience I venture to make the statement that there is such a thing as having roots in quantity detrimental to the rapid establishment of the plant. By this is meant a mass of long, fibrous



Fourth of July Window of P. Kapsalis & Co., Milwaukee.

roots, which cannot possibly be arranged in their natural position. Some will lie either coiled or in a tangled and twisted mass, thereby preventing good soil contact.

No one will deny but that the end of practically every fiber is broken off in lifting and new rootlets must form before the main root can be supplied by its tributaries. What harm can come if these fibers are further shortened, thereby facilitating their arrangement in more natural and evenly radiating directions?

It may be well to state that in making the above statement, I am speaking in a commercial sense, where so much depends on rapidity in the handling of plants and where carelessness is apt to enter into the operation of this all-important work.

As soon as fifty plants are benched, they should be watered. This is best done by leaving the plants in a slight furrow, watering each plant well, but not in quantity that the water will run through. Later level the soil around the plants, keeping it loose. With necessary syringing all the soil will soon be as moist as it should be.

GEO. S. OSBORN.

CARNATION NOTES—WEST.

Procedure in Benching.

If you have thrown out your old carnation plants as they gave out and re-filled your benches you will have some of them ready to be replanted with young stock by this time. Those who planted out fairly early, and had good plants to put out, will have, by this time, some good plants of fair size and replanting may begin at any time you care to go ahead with it. In fact, I have lately seen several houses already planted with field plants, and they invariably looked in fine shape. We are preparing to plant this week and from then on it will go on unceasingly until it is all done. The middle of August should see us planting our last ones if we have good luck. Our plants have done very well in the field this season and most of the varieties have made very fair sized plants, so that this season's planting begins as promising as any we have made in recent years.

I have several times in previous notes given you our mode of procedure, and to some of you this will seem merely like a repetition of an oft told story, but there are always those that have only begun growing carnations and to those it may be of some help. There is nothing new in this line this year. The main thing is and always has been to get the plants from the field set into the soil in the house with the least possible loss of vitality. Keeping them damp will, of course, help to keep the plants fresh, but every hour that the roots are out of the soil is so much vitality lost; it will take them just that much longer to take hold of the new soil. So you should organize your force of men and give each man a certain part to do and see that he does it right. Just how you divide up the work must depend on the number of men you have at your disposal and you must use your own judgment in dividing up the work so that one man will not need to wait for another.

Be sure that each man is capable of doing his part intelligently; for instance, don't take a man from the plow to do the digging, or a boy who has been on



Large Bay Trees Exhibited by Siebrecht & Son.

the place a month. The digging is as important as the planting, and one of your best men should at least oversee it. He should be able to detect disease at a glance and he should be able to detect any plants that may have gotten mixed into the variety he is digging, and in fact he should be capable of running the field end of the operation. The planter, of course, is one of your best men, if you do not do the work yourself. Those who pick up the plants and carry them to the house need only be careful and willing to do as they are told.

The main thing for the digger is to get all the roots, and by deep digging is the only way it can be done. If the soil is mellow he can push the spade down its full depth; the surplus soil will readily fall away from the roots. Lay the plants on their side carefully and let the helper shake off what soil should come off, thus keeping the roots covered as much as possible. If you need all the good plants you have he should begin at one end and take every plant of fair size as he goes along, but of course if there are plenty to pick from he will take only the best (not always the largest) plants.

The helper follows the digger just as close as he can and picks up each plant separately and crumbles off enough soil to leave a ball about the size of your fist and dips the roots into a pail of water and finally places it upright in a box which he can pull along with him as he goes. Each box should be taken into the shade as soon as filled and sprinkled.

The planter is the man who often has to bear the blame when the plants fail to do well the next winter. He should set the plants just as deep as they were in the field. Make a hole plenty large enough and fill between and around the roots with fine soil and press well around the roots and leave a slight depression on the surface. But always see that there is loose soil on top.

I started to say that if the soil is in a nice, moist condition when you plant, but you should not plant unless it is moist enough to plant well, about the

way you like it for potting; or better, moist enough so it will not draw the moisture out of the roots. After planting a hundred or two take the hose and, having the water run slow, fill up each depression and sprinkle the plants well overhead. This sprinkling must be kept up from this on, several times a day, until you can see that the plants have taken hold. The number of times each day will of course depend on the weather. If the weather is cool about every two hours is often enough, but on very hot days every hour during midday will be necessary and at such times you should wet down the walks and under the benches and in fact every place you can that will help to keep the house moist. No strong draughts should strike the plants either; you may have to keep the ventilators half open, but a few degrees warmer will do less harm than a draught of drying wind.

The question of shading the house while planting has caused many arguments and while we know that there is much harm done by too much shading, yet we find a shade for a few days is a great help in getting the plants through the trying ordeal, especially if the weather is hot. Just as soon as the plants begin to grow, however, we are done with the shade and off it comes. Carnations like the sun when they are in a growing condition.

Topping in the Field.

Now about topping the plants in the field. You usually know a week ahead what varieties you are going to plant next and you should go over them and take off every shoot that will need topping before planting time. That will give the plant a chance to get balanced up again. No good grower will bench plants with buds on them. We used to do that years ago, but we know better now. The blooms never amount to anything and the plant is robbed of the energy it takes to develop the bloom. Even after planting in the house, if the plants are a little undersized, we often keep

means all. The ability to judge the accepted laws of design by the system found in natural form, with which we are brought in daily contact, is the correct basis of opinion. Without this attainment we are not fit critics even of our own work.

GERTRUDE BLAIR.

ROSES.

Treatment of Meteor.

The summer treatment of Meteor, while not differing greatly from the treatment required by other roses at that season, as does their winter treatment, is yet so far different as to require a few special remarks.

To reap the full advantage of the growing season they require very careful attention as regards ventilation. While other roses may thrive and luxuriate in a temperature which may vary from 35 to 40 degrees between day and night, and where the percentage of moisture in the atmosphere may also vary to an excessive degree without seeming to affect the healthfulness of the stock, Meteor, if subjected to the same conditions, soon begins to show the effects.

The foliage of Meteor when in perfect health has a thick, rubbery texture and a dark green, glossy color which can only be maintained by watchfulness in ventilating, both by night and day, and careful observation in regard to, and ministering to, their wants at the proper season.

Requiring a higher temperature during the night than other roses, sound judgment is needed in setting the ventilators for the night, and the anxious grower will have to devote part of his time to studying weather conditions. In fact, try to become a bit of a weather prophet, as Meteor is very susceptible to the sudden fluctuations of tempera-

ture which are so common to our summers.

The peculiar, numpy form of the older leaves of this variety makes perfect syringing a harder and more tedious task than with most other sorts, and requires greater skill and care in handling the hose to oust the spider from his lair. Experienced growers have each his own favorite method and nozzle, to which he pins his faith, to accomplish his object. The main thing is to so direct the spray from the nozzle, by a peculiar kind of up-pereut, that the under side of each leaf is thoroughly washed, with sufficient force to dislodge the spider and break up the web. This requires quite a lot of practice before perfection is attained. An expert at this can rid his plants of spider with less effort and half the volume of water employed by the inexperienced, and as spider is the most insidious and persistent insect pest of the summer season, the best means of eradicating or keeping it in check should have our most careful consideration.

While Meteors are making a crop of wood they require large supplies of water, but as the wood and leaves acquire a firmer texture the water can be slightly reduced till they again commence to break. By carefully attending to this both wood and foliage will be of a finer quality than if water is used indiscriminately, independent of the stage of growth.

To help keep the soil from souring a sprinkling of air-slaked lime may be ruffled into the soil every two or three weeks. This will also improve the texture of both wood and foliage.

Houses which were planted early should now have the soil well filled with roots and will require no more surface stirring. To keep the roots cool and prevent too rapid evaporation a light mulch should be applied.

Keeping the branches neatly tied will make syringing easy and more effective, at the same time helping plants along and adding to the appearance of the house.

RIBES.

ODONTOGLOSSUM CRISPUM.

I have sold my over-stock of cattleya, and a large lot of phalaenopsis amounting to over \$500, demonstrating beyond contradiction that if you have an over-stock and want to get rid of it, advertising will turn the trick. I enclose an amount of your bill. Somehow florists are shy of *Odontoglossum crispum*, even at \$1 each. How do you account for it? Easily managed and unquestionably one of the finest orchids in cultivation, all it wants is a partially shaded house facing north, with plenty of light and cool, moist atmosphere and it will do the rest, that is, supply its owner with magnificent racemes of beautiful flowers that are the admiration of all.

R. SCHIFFMANN.

CARNATION NOTES—EAST.

Benching the Plants.

The hot weather in this section the past week has brought to our plants that hardy, mature growth so much desired when housing stock. There is less wilting, the plants become established more quickly and consequently less syringing is required.

From the time of digging until the plants have gotten under way every little detail presenting itself as of benefit should receive your personal attention. The main points are to transfer the plants to the bench as quickly as possible after digging; allow no draughts to reach them; water intelligently and syringe with caution.

With two men on opposite sides of a bench and another to deliver the plants the operation proceeds with dispatch. Our plan is to have no more than twenty-five plants ahead of the planters, the plants being dug and immediately brought in, our field being close to the house.

In case your field is some distance away, it is best to dig very early in the morning, packing the plants in boxes about a foot deep, allowing them to stand upright, removing at once to a cool cellar or shed to be drawn upon as wanted but be very particular to keep off any draught.

It is advisable that some soil should adhere to the roots when brought in. This is especially necessary since the practice of planting early has begun, and if you followed the plan of potting and cutting when rooted, or sometime previous to planting out, the advantage gained will be plainly seen. With this same ball can be preserved intact and goes a long way in keeping the plant through the period of transformation from an outdoor plant to a greenhouse one.

I am not, however, an advocate of lifting and planting a large ball; neither am I in favor of securing all the root possible. This may seem a radical departure from former methods, when the general advice on lifting any plant has been to secure all roots possible, but from experience I venture to make the statement that there is such a thing as having roots in quantity detrimental to the rapid establishment of the plant. By this is meant a mass of long, fibrous



Fourth of July Window of P. Kapsalis & Co., Milwaukee.

roots, which cannot possibly be arranged in their natural position. Some will lie either coiled or in a tangled and twisted mass, thereby preventing good soil contact.

No one will deny but that the end of practically every fiber is broken off in lifting and new rootlets must form before the main root can be supplied by its tributaries. What harm can come if these fibers are further shortened, thereby facilitating their arrangement in more natural and evenly radiating directions?

It may be well to state that in making the above statement, I am speaking in a commercial sense, where so much depends on rapidity in the handling of plants and where carelessness is apt to enter into the operation of this all important work.

As soon as fifty plants are benched, they should be watered. This is best done by leaving the plants in a slight furrow, watering each plant well, but not in quantity that the water will run through. Later level the soil around the plants, keeping it loose. With necessary syringing all the soil will soon be as moist as it should be.

GEO. S. OSBORN.

CARNATION NOTES—WEST.

Procedure in Benching.

If you have thrown out your old carnation plants as they gave out and refilled your benches you will have some of them ready to be replanted with young stock by this time. Those who planted out fairly early, and had good plants to put out, will have, by this time, some good plants of fair size and replanting may begin at any time you care to go ahead with it. In fact, I have lately seen several houses already planted with field plants, and they invariably looked in fine shape. We are preparing to plant this week and from then on it will go on unceasingly until it is all done. The middle of August should see us planting our last ones if we have good luck. Our plants have done very well in the field this season and most of the varieties have made very fair sized plants, so that this season's planting begins as promising as any we have made in recent years.

I have several times in previous notes given you our mode of procedure, and to some of you this will seem merely like a repetition of an oft told story, but there are always those that have only begun growing carnations and to those it may be of some help. There is nothing new in this line this year. The main thing is and always has been to get the plants from the field set into the soil in the house with the least possible loss of vitality. Keeping them damp will, of course, help to keep the plants fresh, but every hour that the roots are out of the soil is so much vitality lost; it will take them just that much longer to take hold of the new soil. So you should organize your force of men and give each man a certain part to do and see that he does it right. Just how you divide up the work must depend on the number of men you have at your disposal and you must use your own judgment in dividing up the work so that one man will not need to wait for another.

Be sure that each man is capable of doing his part intelligently; for instance, don't take a man from the plow to do the digging, or a boy who has been on

the place a month. The digging is as important as the planting, and one of your best men should at least oversee it. He should be able to detect disease at a glance and he should be able to detect any plants that may have gotten mixed into the variety he is digging, and in fact he should be capable of running the field end of the operation. The planter, of course, is one of your best men, if you do not do the work yourself. Those who pick up the plants and carry them to the house need only be careful and willing to do as they are told.

The main thing for the digger is to get all the roots, and by deep digging is the only way it can be done. If the soil is mellow he can push the spade down its full depth; the surplus soil will readily fall away from the roots. Lay the plants on their side carefully and let the helper shake off what soil should come off, thus keeping the roots covered as much as possible. If you need all the good plants you have he should begin at one end and take every plant of fair size as he goes along, but of course if there are plenty to pick from he will take only the best—not always the largest plants.

The helper follows the digger just as close as he can and picks up each plant separately and crumbles off enough soil to leave a ball about the size of your fist and dips the roots into a pail of water and finally places it upright in a box which he can pull along with him as he goes. Each box should be taken into the shade as soon as filled and sprinkled.

The planter is the man who often has to bear the blame when the plants fail to do well the next winter. He should set the plants just as deep as they were in the field. Make a hole plenty large enough and fill between and around the roots with fine soil and press well around the roots and leave a slight depression on the surface. But always see that there is loose soil on top.

I started to say that if the soil is in a nice, moist condition when you plant, but you should not plant unless it is moist enough to plant yet, during the

way you like it for potting; or better, moist enough so it will not draw the moisture out of the roots. After planting a hundred or two take the hose and, having the water run slow, fill up each depression and sprinkle the plants well overhead. This sprinkling must be kept up from this on, several times a day, until you can see that the plants have taken hold. The number of times each day will of course depend on the weather. If the weather is cool about every two hours is often enough, but on very hot days every hour during midday will be necessary and at such times you should wet down the walks and under the benches and in fact every place you can that will help to keep the house moist. No strong draughts should strike the plants either; you may have to keep the ventilators half open, but a few degrees warmer will do less harm than a draught of drying wind.

The question of shading the house while planting has caused many arguments and while we know that there is much harm done by too much shading, yet we find a shade for a few days is a great help in getting the plants through the tying ordeal, especially if the weather is hot. Just as soon as the plants begin to grow, however, we are done with the shade and off it comes. Carnations like the sun when they are in a growing condition.

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What varieties to plant first is also an important question. There is not a very great demand for carnations until the asters are gone, which means late September or October, and by that time you want to be cutting some blooms. Some varieties will come into bloom by that time if they are planted by August 20, but some others need to be planted much earlier. Mrs. Lawson will give longer stems when planted very early. White Cloud and Lorna will come in by that time if planted early, while Queen Louise and Flora Hill come into bloom quickly. Dorothy does not take near as long as Ethel Crocker and Crane comes into good shape quicker than America or Estelle. Mrs. P. Palmer takes a little longer, too, to round into form, but Christmas will usually see it in perfect condition. However, if you get your plants established on your benches in good time you can regulate your crops easily by pinching back or letting them come, as the case may be, and so I would advise getting in all your plants early, and the late bloomers first.

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The accompanying illustrations show what are probably the largest bay trees in this country. They were imported by Siebrecht & Son, New York. They sold three pairs of the globular shape, two pairs of the standard form and ten pairs of the pyramid form. The illustrations give a very inadequate idea of the size of the specimens except by comparison. The Messrs. Siebrecht appear in the illustrations and serve to show the relative height of the trees.

EASTER LILIES FROM SEED.

In his pamphlet on growing Easter lilies from seed, George W. Oliver says that there exists a widespread belief that in raising plants from seed a long

time elapses before they come into bloom, and it is urged against the seed method that a certain percentage of the plants in a batch are late coming into flower. It should be remembered, however, that this is more or less the case with all kinds of plants where the method of vegetative reproduction is suddenly changed to that of reproduction from seed. In all cases this irregularity of the blooming period lasts only for a time. But, even were there no possibilities of fixing types from seminal reproduction, the supposition that this method of propagation is a drawback because of late bloomers is erroneous. This point has been raised against the method chiefly because it has never been tried systematically. A batch has been raised giving only about 75 per cent of bulbs that can be depended upon to produce plants that will open their flowers within, say, a period of ten days; but even so, with the gain of increased vigor and the saving of time required in the production of a marketable bulb, it will pay handsomely, even if the late bloomers are discarded while in the growing stage in the field and only the early blooming buds are harvested. However, there is no necessity for so radical a treatment. The early bloomers can be separated from those which bloom late, and sold accordingly. There is a demand for healthy bulbs at whatever time they bloom. Furthermore, by judicious selection of seed parents—that is, those which come earliest into bloom, having other desirable characteristics to recommend them—and by careful cross-fertilization of these forms there is an absolute certainty of fixing types which will be satisfactory in every way.

Nearly every lily has been propagated asexually up to the present time, and the system is, to a certain extent, answerable for the wretched condition of the crops, which, even with intelligent care in our greenhouses, show from 40 to 60 per cent of diseased plants. Most growers would greatly prefer to have

only 25 per cent of late bloomers in a batch of healthy bulbs from seed than that the present conditions affecting the Bermuda and Japan bulbs should continue.

Emasculating and Pollinating.

To raise seedlings of any desired variety of *Lilium longiflorum* which will reproduce as nearly as possible the same characters possessed by the parents, it is necessary to take precautions against the possibility of pollen from less desirable forms being deposited upon the stigmas of the flowers selected to bear seed. In the flower of the Easter lily the anthers reach maturity a little in advance of the period when the stigma is in a receptive condition. The early ripening of the pollen and the large size of the anthers make it easy to remove the stamens at quite an early stage in the life of the flower.

Emasculation can be performed with a certain degree of safety after the perianth segments expand, but it is accomplished with greater certainty while the flower is in the bud stage. When the operation is performed early it seems to divert to the pistil the substance which otherwise would be utilized in the development of the stamens. Thus, if the stamens are allowed to remain and pollinate the same flower with its own pollen, or that from the flower of another individual, the resulting capsule of seed is smaller than that borne by an artificially pollinated flower which had previously been emasculated.

To remove the stamens at an early stage it is necessary to cut off one or two divisions of the perianth for at least one-third of their length. The stamens, being very large, are then easily removed with the aid of a pair of forceps. The condition of the stigma most favorable for the reception of the pollen is indicated by its having acquired full size and by its color changing from a greenish white to creamy white. This period occurs just before the surface of the stigma is copiously covered with a viscid secretion. Before the secretion appears the pollen takes immediate effect. Fecundation, when successful, is indicated by the rapid withering of the perianth; also by the ovary, which, in a few days, will assume a vertical position instead of remaining horizontal.

It is of importance that the actual work of applying pollen from the anthers of one flower to the stigma of another is performed during the early part of the day, choosing a time when the sun is likely to be unobscured for several hours. The air should also be dry and warm. It is not necessary to use a brush in applying the pollen. With a pair of forceps an anther may be removed by severing a filament at about half an inch below the point of attachment. The pollen grains on a single anther are sufficient to cover thoroughly the surface of the stigma. While held by the forceps the anther should be rubbed against the stigma until the latter is covered with the pollen grains. This condition is easily observed by the bright yellow color and copious supply of pollen.

The pollinated flower should not be covered with paper bags. These, as a rule, serve well with other kinds of flowers where artificial pollination is resorted to in keeping out insects and preventing pollen being brought by other agencies, but in the flowers of *lilium* they are usually hurtful, because the atmosphere surrounding the stigma is



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to a certain extent stagnant on account of the thick texture of the paper interfering with the free admission of air. If this condition is present while the very copious secretion is over the large stigma, some of the pollen grains decay, and the result is that a moldy growth will occur over the entire pollinated surface. Light gauze or cheese-cloth bags will be found excellent substitutes for paper bags. There is little probability of pollen grains being carried about by a movement of the atmosphere or the visitation of insects, but it is better to guard against the danger of undesirable pollen gaining access to the stigma.

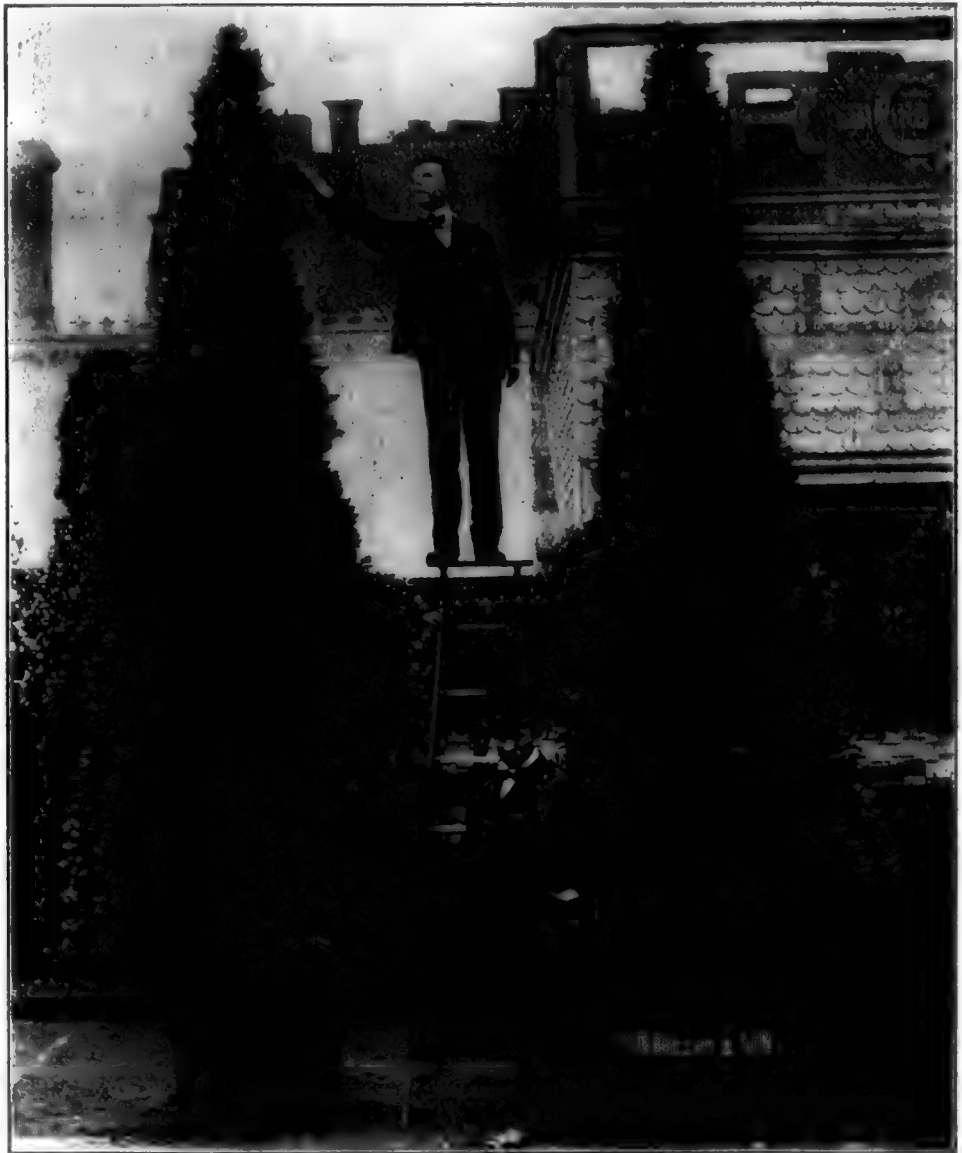
In all the varieties the seed vessels take from eight to ten weeks to reach maturity. This is indicated by a change of color from pea-green to a light straw-colored hue, at first near the apex, then gradually extending toward the base. When the basal part changes its color the seeds are ripe. The seed vessel at this stage begins to dehisce, starting at the apex and splitting into three parts, each part containing two rows of seed closely arranged lengthwise. When the vessels begin to open they should be gathered and kept in an uncovered receptacle until most of the moisture in the walls of the seed vessel has evaporated. In a day or two the seeds must be removed from the capsules. They are then damp to the touch and should not be excluded from the air while in this state, as there is danger of their becoming moldy. They should be spread out on trays for a day or so to dry. Afterwards they can be kept in jars until wanted for sowing.

Sowing the Seed.

In places having a similar winter climate to that of the Bermudas, or where the minimum temperature does not fall below 45 degrees F., the seedlings may be raised out of doors without the aid of greenhouse structures, but with the protection of sash throughout the germinating period and until the plants have made the first three or four leaves.

The plants can be brought to this stage by the beginning of September and transferred to convenient distances apart in beds, where they will make rapid growth. The seeds should be sown in beds in rows from five to six feet wide. To have the soil in which the seed is to be sown of sufficient warmth to promote a steady growth, there should be at least three inches of stable litter and leaves placed in the bottom of the bed. Loamy soil, mixed with one-third vegetable humus, should be placed over the litter to a depth of at least six inches. This should be well firmed and raked smooth. The seed should be sown quite thickly, as the seedlings have small, narrow leaves and occupy but little space until they are ready for pricking off.

After the surface of the seed bed has been raked quite smooth the seeds should be sown evenly over the bed, from six to ten to each square inch of surface, according to the quality of the seed. The seeds can be pressed into the soil with the back part of a spade or a smooth piece of board and covered with one-half inch of sifted and sterilized soil composed of loam and leaf soil in equal parts. The soil, if sterilized, will prevent the disturbance of the surface in removing weeds. The surface should be pressed moderately firm and watered with a fine sprinkler only when the soil appears to be on the dry side. The surface of the bed can be kept in excellent



Gigantic Pyramidal Bay Trees at Siebrecht & Son's.

condition for successful germination by covering it with an inch of sphagnum moss, which should be sprinkled occasionally, and the soil should be examined frequently to ascertain its condition.

The seeds require a considerable time in the ground before the first leaf appears above the surface. Therefore, to provide seedling plants for a large crop the seed beds will occupy a comparatively small space. They will thus be easily tended, so far as watering, shading, and weeding are concerned, until the seedlings have attained sufficient size to warrant pricking off. If bulbs are planted and seeds sown at the same time, the bulbs naturally can be flowered quicker than the seedlings, but only by a few weeks. Therefore, the seeds should be sown early—say, during the month of June. When sown at this period the seedlings will attain a fair size during warm weather, and will all the better be able to withstand the lower temperature of the winter months.

With regard to raising seedlings in the middle and northern states, there is little probability of success unless the seed is sown, say, during the month of January indoors and the seedlings are transplanted to outdoor beds as soon as the weather permits. For experiments of this nature the seeds would necessarily have to be of the previous season's crop, and in order to have them ripen late, so that as short a time as possible would elapse between ripening and sowing, the seed-bearing plants should be grown outdoors.

Picking Off the Seedlings.

The seedlings will bear pricking off as soon as the seed leaves reach full size. Nothing is gained, however, by undertaking the operation at this early stage. It is more easily accomplished after the plantlets have made two or three leaves. They should be transferred to beds similar in size to those in which the seeds were sown and at a distance of from two to three inches apart. The work of pricking off can be very rapidly done, and wholly with the fingers or without the aid of a dibble. The protection of shaded sash may be given for the first few days if found necessary. When the plants are supplied with leaves of such size as to be in danger of crowding each other they should be removed to the field beds. It may be stated that the plants, even in their younger stages, are not at all impatient of removal.

PHILADELPHIA.

The Market.

The cut flower market is dull and inactive. There is a light demand, chiefly for stock suitable for funeral work. The quantity of flowers coming into town continues large. Very many are wasted. Especially is this true of sweet peas after a day of sunshine. Outdoor flowers are plentiful. So are roses of pretty fair quality. Asters and dahlias have made their appearance, rather short in stem as yet, but giving a pleasant variety. E. Bernheimer is receiving both, and also some flowers of the Balduin rose, rarely seen here.

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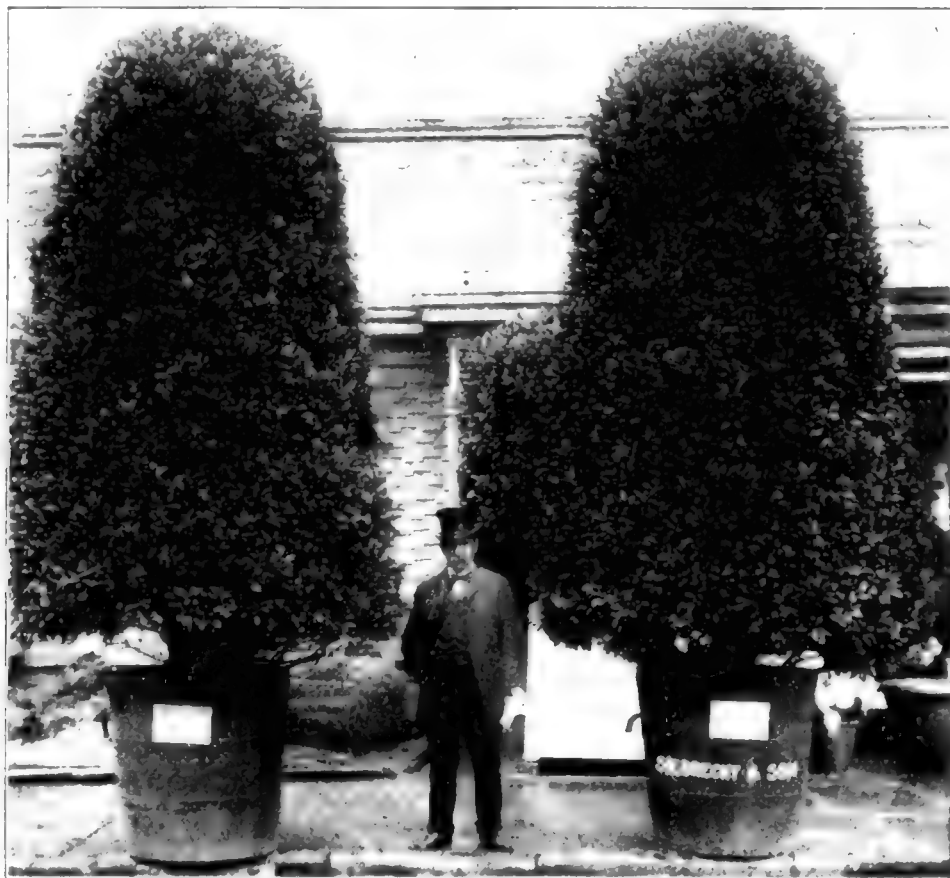
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Sowing the Seed.

In places having a similar winter climate to that of the Bermudas, or where the minimum temperature does not fall below 45 degrees F., the seedlings may be raised out of doors without the aid of greenhouse structures, but with the protection of sash throughout the germinating period and until the plants have made the first three or four leaves.

The plants can be brought to this stage by the beginning of September and transferred to convenient distances apart in beds, where they will make rapid growth. The seeds should be sown in rows in rows from five to six feet wide. To have the soil in which the seed is to be sown of sufficient warmth to promote a steady growth, there should be at least three inches of stable litter and leaves placed in the bottom of the bed. Loamy soil, mixed with one third vegetable humus, should be placed over the litter to a depth of at least six inches. This should be well firmed and raked smooth. The seed should be sown quite thickly, as the seedlings have small, narrow leaves and occupy but little space until they are ready for pricking off.

After the surface of the seed bed has been raked quite smooth the seeds should be sown evenly over the bed, from six to ten to each square inch of surface, according to the quality of the seed. The seeds can be pressed into the soil with the back part of a spade or a smooth piece of board and covered with one half inch of sifted and sterilized soil composed of loam and leaf soil in equal parts. The soil, if sterilized, will prevent the disturbance of the surface in moving weeds. The surface should be pressed moderately firm and watered with a fine sprinkler only when the soil appears to be on the dry side. The surface of the bed can be kept in excellent



Gigantic Pyramidal Bay Trees at Siebrecht & Son's.

condition for successful germination by covering it with an inch of sphagnum moss, which should be sprinkled occasionally, and the soil should be examined frequently to ascertain its condition.

The seeds require a considerable time in the ground before the first leaf appears above the surface. Therefore, to provide seedling plants for a large crop the seed beds will occupy a comparatively small space. They will thus be easily tended, so far as watering, shading, and weeding are concerned, until the seedlings have attained sufficient size to warrant pricking off. If bulbs are planted and seeds sown at the same time, the bulbs naturally can be flowered quicker than the seedlings, but only by a few weeks. Therefore, the seeds should be sown early, say, during the month of June. When sown at this period the seedlings will attain a fair size during warm weather, and will all the better be able to withstand the lower temperature of the winter months.

With regard to raising seedlings in the middle and northern states, there is little probability of success unless the seed is sown, say, during the month of January indoors and the seedlings are transplanted to outdoor beds as soon as the weather permits. For experiments of this nature the seeds would necessarily have to be of the previous season's crop, and in order to have them ripen late, so that as short a time as possible would elapse between ripening and sowing, the seed-bearing plants should be grown outdoors.

Picking Off the Seedlings.

The seedlings will bear pricking off as soon as the seed leaves reach full size. Nothing is gained, however, by undertaking the operation at this early stage. It is more easily accomplished after the plantlets have made two or three leaves. They should be transferred to beds similar in size to those in which the seeds were sown and at a distance of from two to three inches apart. The work of pricking off can be very rapidly done, and wholly with the fingers or without the aid of a dibble. The protection of shaded sash may be given for the first few days if found necessary. When the plants are supplied with leaves of such size as to be in danger of crowding each other they should be removed to the field beds. It may be stated that the plants, even in their younger stages, are not at all impatient of removal.

PHILADELPHIA.

The Market.

The cut flower market is dull and inactive. There is a light demand, chiefly for stock suitable for funeral work. The quantity of flowers coming into town continues large. Very many are wasted. Especially is this true of sweet peas after a day of sunshine. Outdoor flowers are plentiful. So are roses of pretty fair quality. Asters and dahlias have made their appearance, rather short in stem as yet, but giving a pleasant variety. E. Bernheimer is receiving both, and also some flowers of the Balduin rose, rarely seen here.

Our Leading Decorator.

The name of Hugh Graham has for years been connected with many of the largest and handsomest decorations seen in this city. This firm had the rugs, tapestries, electric lights, everything, in short, that was needed to beautify a large hall in addition to the plants and flowers when a large entertainment was to be given. Hugh Graham, Sr., died last spring and his entire business, both at the city store, 104 S. Thirteenth street, and at the greenhouses at Logan, has passed into the hands of his son, Hugh Graham, Jr. The greenhouses are famous for their carnations, two pink seedlings, Mrs. Van Rensaeller and Prince Henry, having attracted special attention. Roses, Easter plants and decorative plants are also extensively grown. Most of this stock has been used by the firm's retail store, but during the last two years quite a large business has been developed in foliage plants among florists. Mr. Graham said a few days ago that the florists' business in this city was still in its infancy and that he proposed to push it with all the brains and energy he could command.

The Flower Market.

The Market has called on its stockholders for the second payment of 25 per cent, or \$5 a share on its capital stock, payable on or before July 31. Accompanying this call is a report of the Market's business during the first eight months of its work. The language of this report is optimistic, but the deductions are decidedly pessimistic. Instead of there being a deficit, as the report states, the figures actually show a small profit. The expenses are given in full, while the receipts are passed over with merely a word of comment. The Market has done good work on a very small capital. With the extra amount called in there is every reason to believe that sphere of usefulness will be greatly enlarged.

Various Notes.

C. F. Knorr & Bro., at Lawndale, have just completed two new houses, 152x24 feet each. They are planted with 4,000 Maids and Brides in solid beds. These houses have iron supports and gutters, are open between, and glazed by 16x24 glass put in the wide way. This addition increases the firm's area of glass nearly 40 per cent. The place is entirely devoted to roses, there being about 8,000 Brides and Maids, and 1,000 each Kaiserin and La France.

C. A. Dunn & Co. are receiving a good assortment of summer flowers, hardy phlox, petunias, candytuft, sweet peas, etc. Their new quarters are being rapidly put into shape.

Herbert G. Tull, of the firm of Henry A. Dreer, is at Glen Cottage, near Mt. Pocono, Pa., for a short vacation.

William K. Harris runs over to his cottage at Ocean City, N. J., for a day or so each week.

D. Fuerstenberg, president of the Floral Exchange, has crossed the Atlantic with his nephew for a holiday in Europe.

Samuel J. Bunting has decided to leave the ranks of the growers and enter the brick making industry. He has made a specialty of Easter plants for several years.

Thomas Butler and wife have been at Atlantic City during Mr. Butler's vacation from his duties as salesman for H. Waterer.

Bowling.

The sixth series of games for places on the team at Milwaukee was rolled at the Tuxedo alleys last week. The feature of the evening was President Harris' score of 203 in the third game. The scores were remarkably high, the alleys being in fine condition. Five of the players appear to have dropped out of the race, and one, Walter Yates, was ill. The final games on the home alleys will complete the contest.

Player—	1st	2d	3d	Points	Total points
Moss	191	164	135	2	13
Gibson	127	152	166	1	7
Falek	152	140	150	1	8
Connor	139	177	142	1	9½
Craig	22	115	174	1	3
Kift	172	173	181	3	10
Harris	122	168	207	2	6
Westcott	148	134	171	2	3
Watson	129	173	170	2	7
Robertson	149	205	130	2	10
Adelberger	202	192	181	2	12
Polites	144	143	160	1	14
Baker					3
Dunlap					3
Yates					10
Habermehl					4
Moon					2½
Stevens					1

The next sporting event of the season is the ball game to be played on the big field in West Philadelphia, and many of our florists are expected as spectators at the contest. The "Hustlers" team is slated as follows: C. Gray, r. f.; F. Heron, c. f.; H. Crawford, l. f.; C. Harley, 1st b.; E. Upton, 2nd b.; W. Reynolds, 3rd b.; F. Warfield, s. s.; C. Colflesh, c.; W. Colflesh, p.

PHIL.

ST. LOUIS.

The Market.

The condition of the market during the past week has been anything but favorable. There was a scarcity of good stock in most lines, but this was not felt very much, as there was little business going on with the exception of funeral work, which seems plentiful. We are badly in need of rain and the roses show the effects of the hot weather. The Brides are small and the Maids are off color. Kaisers are more used at present. Some good Meteors are in the market. Beauties are very soft and good quality are very hard to get around here. There are plenty of carnations for the demand and the stock is of good quality. Flora Hill, Crocker and Dorothy are among the best. Sweet peas have shortened up some and are not so good in quality as they have been. They have very short stems and are sold cheap. Gladioli and asters are becoming more plentiful and hydrangeas will soon be in, which is propitious for funeral work. The market is well supplied with greens of all kinds at the usual prices. The wholesalers report that shipping trade is at a standstill.

Club Meeting.

The Florists' Club held its June meeting last Thursday at "Billy" Winter's place in Kirkwood. The meeting was largely attended, thirty being present. Before the meeting opened the members inspected the large and well kept place of Mr. Winter, who grows exclusively carnations in solid beds. His large field of some 50,000 carnations is looking fine. The meeting opened at 3 o'clock with President Dunford in the chair and all the officers present except Vice-President Windler and Trustee Ellis. The transportation committee reported that nothing definite could be stated as to rates to Milwaukee until the next meeting.

Mr. Juengel reported that some twenty-five had signified to him their intention of attending. The picnic committee reported everything in readiness for a good time on July 23 at Preister's Park, and that invitations had been sent to all in the trade. State Vice-President Juengel reported that he had his yearly report to the S. A. F. ready.

The nomination of officers then took place. For president, J. J. Beneke was the only nominee; for vice-president, Wm. Winter and Max Herzog; for treasurer, Otto G. Koenig; for secretary, the old reliable Emil Schray; for trustees, J. W. Dunford, of Clayton; J. F. Ammann, Edwardsville; Mr. Bentzen, St. Louis; Edward Guy and A. S. Halstedt, of Belleville, and W. J. Pilcher, of Kirkwood. Application for membership was made by George R. Frow, son of Richard Frow; F. W. Ude, Jr., H. G. Ude and Arthur Farber, of Kirkwood, and Joseph Hauser, of Webster Groves, Mo.

J. J. Beneke read an essay on "The Future Florist," which he ended in rhyme, paying especial compliment to his old friend of thirty years standing, F. J. Fillmore.

For the good of the club A. Jablonsky invited the members to hold their next meeting at his place in Wellston, Mo., and J. F. Ammann invited them to hold their September meeting at his place in Edwardsville. The invitations were accepted with thanks, so at the former place the election will take place and at the latter the installation. A great time is expected at both places.

The question "Advantages of Planting Carnations Early" brought out a lively and spirited discussion. John Steidle stated that the best results come from early planting, as also did Messrs. Ude, Winter and others, but E. W. Guy took the other view of it and said that from early planting it is true that early flowers are obtained, but thinks that it weakens them later in the season and produces more or less stem-rot and bacteria. Years ago, he said, they never thought of planting carnations before October, as the weather around St. Louis is too hot during August and September, and they never heard of stem-rot and bacteria in those days. He thinks that better results can be obtained from late planting than from early planting, especially around St. Louis. The hour was growing late and the meeting adjourned, after which we sat down to an elegant lunch, at which refreshments of all kinds were served by Mrs. Winter and her two daughters. This was much enjoyed by us all. After visiting the places of the Udes, W. J. Pilcher, Berdan and others, which we found in excellent shape, we bade our Kirkwood brother good-by with three cheers for "Billy" Winter and his family, and started for home, unanimously agreeing that the July meeting will long be remembered by all of us.

Notes.

Joseph Heintz, of Jacksonville, Ill., was a visitor last week. Mr. Heintz arrived too late to attend the club meeting at Kirkwood.

J. F. Ammann, of Edwardsville, Ill., E. W. Guy, A. S. Halstedt and A. G. Fehr, of Belleville, came over last week to attend the club.

Henry Blixen, foreman for J. F. Ammann, at Edwardsville, and Miss Emma Hartung were married last week. The church decorations were elaborate and the wedding bouquets fine, the work of J. F. Ammann, and were much admired by all.

Mr. Blixen is a member of the club and the members are with me in extending to the young couple hearty congratulations.

John Koenig, of the Koenig Floral Co., was married last week and is off to the east for a bridal trip of a month. John is well known among the craft, who wish him much luck.

Park Commisssioner Aull is in Buffalo attending the meeting of the Outdoor Art Association, the next meeting of which he expects to land for St. Louis during the World's Fair.

Mr. and Mrs. Carew Sanders left last Friday for a six weeks' trip through Colorado.

George Waldbart was seen in Clayton, near the court house, by the members who were returning from the Kirkwood meeting. Some were very suspicious as to what George was looking for.

It has been reported that Dr. R. M. Bird, of the Missouri Experiment Station, at Columbia, Mo., has discovered a dry powder for spraying fruit trees and plants that has proven more deadly to all insects than any of the liquid sprays now in use. The powder is very fine and contains copper in the same form as in the liquid mixture. Dr. Bird says it is the result of so many inquiries being received at Columbia early this spring regarding the manner of destroying insects.

The Michel Plant and Bulb Co. is offering its plant at Old Orchard for sale. The improvements consist of over 12,000 feet of glass, with steam heat. The place has a frontage of 330x170 feet.

Fred Ammann reports that he has finished planting and that his place is looking better than ever before. His Perles and Beauties are the best of any. He is cutting some fair Beauties at present.

Chas. G. Fleckenstein, formerly connected with the Mound City Cut Flower Co., was in the city last week, looking as well as ever.

Bowling.

The bowling club rolled four games on Monday night. The bowling was of a high order. Charlie Kuehn especially was in good form, with an average of 191½; Beyer second with 176, and Will Adels made the highest single score, 200. The following scores were made:

Player—	1st.	2nd.	3rd.	4th.	Total.	Av.
C. A. Kuehn.....	191	194	182	199	766	192
Carl Beyer	155	177	180	192	704	176
Will Adels	152	200	193	146	691	173
J. J. Beneke.....	160	159	194	155	668	167
Theo. Miller	147	137	159	138	581	145
F. M. Ellis.....	144	159	104	140	547	137
F. Weber, Jr.....	127	108	131	110	476	119

It looks as though the team that will bowl at Milwaukee will be made up as follows: C. A. Kuehn, Carl Beyer, J. J. Beneke, E. W. Guy, Will Adels, Theo. Miller, F. C. Weber and F. M. Ellis. The best average six men of these will bowl as a team at Milwaukee.

J. J. B.

CHICAGO.

The Market.

There is very little doing at present, but there is hardly anything to do with, so that it is hard work to fill the few orders which do come in. Beauties were seldom scarcer and good ones are wholly out of the question. The cuts from young plants are beginning to come in, but of course the stems are very short and the buds small. Color, too, is lacking. Here and there one sees a pot of Brides or Maids which are of good summer qual-

ity, but most of the cut is almost unsalable. One sale is on record for Tuesday where 400 roses were sold just as received from the grower for 25 cents, and the buyer tried to back out after his offer had been accepted.

There are plenty of carnations sold at a nickel a bunch, but anything fair is held pretty firm. Sweet peas are nearly done for and are very poor. Lilies are abundant and many good ones are seen. Auratums sell best of all. Asters are seen occasionally and will be plentiful in a few days. Gladioli are abundant and good ones sell well. "Green goods" are up to all requirements.

Various Notes.

The sale for year-old Beauty plants is a notable development. It is only three or four years ago that the old plants were thrown out and burned at replanting time, but now there is a ready sale for them at \$5 a hundred. John Muno sold every plant he took out of the benches, and the Reinbergs, Wietors and others sold many thousands.

Brant & Noe have 30,000 carnation plants in the field, ready for early benching.

Matt Mann is sending in some exceptionally fine gladioli and auratum lilies. They go to Budlong, and, acting on John Zeck's suggestion, the auratums are cut very close in bud, with the result that they can be handled with little loss and to the satisfaction of all concerned.

Lee Walz has not been at the Floralia since June 23.

M. Olson is again on duty at Budlong's after a short vacation.

Gus Allers is back at Wietors' after a week's vacation, spent with his family visiting at Waukegan and Milwaukee.

W. E. Lynch has returned from a two weeks' visit at his old home at Hatfield, Mass.

One of Peter Reinberg's numerous chimneys was struck by lightning last Thursday night and twelve feet knocked out of the middle of one side. Mr. Reinberg is now directing his energies toward the rebuilding of nine of his older houses, using a very narrow iron gutter, cast especially for him by George M. Garland. Benching carnations will begin next week.

George Reinberg is fortunate in having a very fair cut of Brides and Maids now on.

J. A. Budlong is awheel somewhere between here and Providence, R. I.

Wietor Bros. have a house of Lawson carnations which have been indoors all summer and report them looking fine.

J. F. Kidwell says that he still has some of Kennicott's Von Bombock peonies in good condition, after having stood a week in his ice box. It is noteworthy, because they had been in cold storage from four to five weeks.

C. M. Dickinson writes from Cedar Lake, Wis., that the bass are biting fine.

Walter Kreitling has been digging up a few prizes to enliven the Milwaukee bowling tournament. Among others he has two balls from the Brunswick-Balke-Collender Co.

F. Blondeel, until recently of Blondeel & Vanburgen, has bought the greenhouses of A. Pedersen and leased the property for a term of years.

The Florists' Club held a midsummer meeting at Handel Hall last evening.

A. C. Wasson, formerly of Jamestown, N. Y., and Glenville, O., is now at Lincoln park.

The regular quarterly meeting of the Horticultural Society of Chicago was held at the Great Northern Hotel Tuesday afternoon, with the attendance of the usual participants. Little was done beyond a general discussion of the prospects for a fall show. A committee on nominations was appointed, also on a hall for the show and another to arrange the premium list. Adjournment was to meet at the call of the secretary.

The geraniums at Washington Park are in good shape but the cannas have hardly grown at all, although fine plants when set out. The season has been one of slow growth.

Bowling.

The following is the record of the bowlers for July 14:

Player—	1st.	2d.	3d.	4th.
Lambros	145	119	162	138
F. Stollery	153	166	151	152
Winterson	188	189	144	166
Asmus	172	117	142	228
Scott	127	127	123	115
Balluff	157	141	147	167
Hauswirth	122	146	155	140
G. Stollery	151	114	165	152
Sterrett	143	133	119	143

With four more games to roll, the following is the standing of the players who have a chance for the convention team:

Player—	Av.	Player—	Av.
G. Stollery	184	Scott	157
Balluff	175	Hauswirth	153
Lambros	175	Pruner	153
F. Stollery	168	Sterrett	150
Asmus	159	Winterson	149

MONTREAL.

Trade was good throughout last season and June was one of the best months on record, but now summer is with us and business is at the usual slow stage.

There was a well attended meeting of the club on July 7. It was proposed to do away with the membership fee of \$2, but the vote was heavily against the plan.

It is reported that Hall & Robinson are to open a store on St. Catherine street, West, about September 1.

Mr. Alcock is convalescent and getting about slowly.

The craft has lost a valued friend in the death of James Cooper, a patron of horticulture.

The Gardeners' and Florists' Club held its sixteenth annual picnic at St. Rose, June 10. It was beautiful weather and the affair was a great success. There was a fine array of prizes for the winners in the games, mostly collected by W. Hazel, who won the silver trophy in the quoits match. Frank McKenna won the open race. H. Dupuis, John and Willie Allen won the boys' races, Estelle Dupuis and G. Guerin the girls' contests. Mabel Robinson and Miss Guerin won the young ladies' races and Mrs. Harry Eddy that for members' wives. Mr. Eddy was the swiftest member among 30 and W. Hazel the best sprinter over 40. Frank McKenna was also the speediest young man. Mrs. Pidduck was the winner of the elder members' wives. Harry Eddy won 4' hop, step and jump and W. Whitney was the best walker among the committee-men.

A. BEE.

ALEXANDRIA, IND.—George Rentschler has sold the Alexandria Greenhouses to Chas. Nye, of Indianapolis.

DULUTH, MINN.—W. W. Seekins has removed his stock from Panton & White's to 116 West Superior street, where he has a neat store all to himself. His old range of greenhouses is being dismantled and will be replaced by five new houses covering a total of 12,000 square feet of space.

NEW YORK.

State of Trade.

"The melancholy days have come, the saddest of the year." It is hard to remember that the conditions a twelve-month ago were the same as now, the dullness universal and the general business on the street the worst ever known. But it was so and it will be so again. It seems as though trade never was so bad as now, however, and it may safely be said that it was never worse. Optimistic faces are few and far between. Wholesalers and retailers alike have yielded to the inevitable and sails are trimmed and decks cleared for action in the early fall. Meantime many have departed for their summer outing at the seashore and the mountains and loneliness prevails in the busy marts bounded by Twenty-sixth and Thirtieth streets. The supply of outdoor flowers increases daily. The demand for smilax and asparagus has ceased. Sweet peas are here by the million. Imagine 100 bunches selling for a quarter! Asters are here and selling fairly well. No demand for lily of the valley. Carnations are abundant, far in excess of requirements, and prices last week fell to most discouraging figures. Many express a belief that there will be a change for the better before the end of the week. Meanwhile, rents continue, expenses are high, and it would be money in the pockets of the wholesalers if the doors could be closed and a holiday indulged in until after the convention.

Convention Matters.

Hard to realize this great annual reunion is only a month away, and yet, through the alertness of Pollworth, Holton and a host of Milwaukee hustlers, everything is almost in readiness for the great gathering, which the Cream City expects to be the largest the society has ever known. There is good ground for these anticipations. The desires of the majority of the members of the society to visit this wonderful city extend back to that memorable hour of angelic eloquence when the unexpected happened and the counting of votes took us to the pretty little town amid the Carolina hills. After all, "whatever is, is best," and the pleasure of the present year will be all the greater for the waiting. More and more yearly are making the convention week a holiday trip, and this year by combining with their Milwaukee visit a trip through the Great Lakes and a week in and around Chicago and St. Louis, a delightful inspiration and memory for a year can be gathered and stored away to make the coming twelve months the happiest and most prosperous of your life. The arrangements for the trip of the eastern host are about complete and the attendance promises to be larger than anticipated. The West Shore expects to fill two Pullmans from New York alone, thus insuring a direct journey without change of cars, and every comfort and convenience known to modern travel.

Mr. Pollworth's suggestion as to an evening of song and merriment by members of the society after the president's reception meets with general approbation. Nothing could create a greater interest nor serve to foster more rapidly the friendships and harmony that should prevail. Everybody wants to hear the Chicago quartette and Miss Fulmer sing,

and many others of the well known vocalists and musicians that the society claims as its own. No one will leave the hall while Warren Ewell, Robert Craig and J. D. Carmody give their orations, and if Edgar Sanders will sing "The Little Brown Jug" and Edwin Lonsdale "The Duke of York" and Brother Bencke will give some of his far famed recitations, the programme will be complete.

Various Notes.

The Bermuda and European travel continues. There has never been a year when so many of the florists from this section have gone abroad. Two of the leading florists of the city are enthusiastic yachtsmen and are drinking in health and happiness with the ocean breezes and making their handsome yachts their summer home. James Weir, of Brooklyn, commodore of the Shelter Island Yacht Club and formerly vice-commodore of the Atlantic Yacht Club, is on his boat, the "Uncas," with his family at Shelter Island. And Alex. McConnell lives in his beautiful yacht, the "Eleanor," which is anchored at City Island harbor. This handsome boat was built by Inspector Williams and is as complete and comfortable as money could make it. Mr. McConnell is a member of the New Rochelle Yacht Club and a trip with him on the Sound is not soon forgotten. His paper to be read at the convention in Milwaukee on "Modern Methods in Floral Decoration" will be valuable to the host of the present generation of florists who attend. It will be based on over thirty years of practical experience.

Lecakes & Co. have moved into their new store on West Twenty-ninth street, formerly occupied by Hicks & Crawbuck, where they will have ample room for their increasing business. They still retain the basement on West Twenty-eighth street, where they have been so long, and maintain their stands in the Coogan building and at the Thirty-fourth street market. They do an immense business in galax, ferns and leucothoe sprays.

The discussion relative to the plant and flower market will be considered at the City Hall on Wednesday of this week and a large number of interested gardeners and plantmen are expected to be present.

Recent visitors were W. W. Lindsay, of Birmingham, Ala., and W. Walker and family, of Louisville, Ky.

The extremely hot wave of last week, lasting for three days, developed a temperature of over 100 degrees and caused many deaths and hundreds of prostrations. Cooler weather arrived on Sunday and seasonable rains are gladdening the hearts of the gardeners, for whom the season has been a strenuous one to date.

C. W. Ward has been ill for several days but is now convalescing.

J. AUSTIN SHAW.

PITTSBURG.

The past few days of very warm weather have hurt the quality of stock. Roses are on the wane. Carnations are still good. Lilies are more plentiful and sell well. Beauties are the best flowers obtainable. The supply of outdoor gladioli is increasing. There is an oversupply of smilax, rather unusual for us, as smilax was very scarce all last season.

The Pittsburg and Allegheny Florists' and Gardeners' Club expects to send a large delegation to the S. A. F. convention at Milwaukee. The committee of

arrangements is E. C. Ludwig and E. C. Reineman. A rate of \$17.40 for the round trip has been secured, tickets good returning August 24.

Wm. Lauch is shipping the Cut Flower Co. quantities of Scott carnations of quality hard to beat.

H. P. Joslin was first in the market with outdoor gladioli.

Hoo Hoo.

WANT ADVERTISEMENTS.

Advertisements under this head one cent a word, cash with order. Plant advertisements NOT admitted under this head.

Every subscriber is entitled to a free advertisement not exceeding 35 words in any one issue desired during the year. If the advertisement exceeds 35 words, send at the rate of one cent for each additional word.

WANTED—A good chrysanthemum grower. Must be willing to work and come well recommended. A steady place for the proper person. Address Nanz & Neuner, Louisville, Ky.

FOR SALE—Cheap, two greenhouses and 24 horse-power boiler with piping. W. A. Thomas, Alma, Mich.

SITUATION WANTED—German florist, grower of roses, carnations, bedding stock, palms and ferns etc., wants a good steady private place, Aug. or Sept. Married 40 years old no children. Address No. 131, Florists' Review, Chicago.

WANTED—An experienced carnation grower. Wages \$45.00 per month. Permanent position to right man. About eight miles from Cleveland, O. Address M. Bloy, Mgr., Essex Greenhouses, N. Olmstead, Ohio.

FOR SALE—Greenhouse property, 2½ acres extra good land, near street car line, 1,800 ft. glass, new home, barn, etc. Good chance for wholesale plant. Coal 25c per ton and plenty of it. Will be sold on easy payments. G. L. Tyler, Du Bois, Pa.

WANTED—Man to take charge of 9,000 feet, to grow roses, carnations and bedding stock. Steady place to good man. Finest summer resort on Lake Michigan. State wages and references. B. B. Blair, Charlevoix Mich.

SITUATION WANTED—Experienced florist and gardener desires a position on private place at once; Chicago or vicinity preferred. Best references. Care The F. Blondeel Co., 812 N. Oak Park Ave., Oak Park, Ill.

FOR SALE—About 3,000 feet of 2-in. pipe in first-class condition. 7c per foot, f. o. b. H. B. Lee, Bedford, O.

FOR SALE—Greenhouses and business, \$2,500. New greenhouses and successful and profitable business; steam heat, all in perfect condition, seven blocks from postoffice; best location; well stocked and complete. Can give immediate possession. Charles Winkler, Hastings, Neb.

SITUATION WANTED—As foreman in commercial place, 25 years' experience, as general grower of plants and cut flowers; having been in business, am known to many in the trade, who can furnish references as to capability and character. Address, stating wages, No. 133, care Florists' Review, Chicago.

SITUATION WANTED—As manager or traveling salesman by a thoroughly experienced florist and seedsmen, with a practical knowledge of nursery office work and stock. Has had experience on the road, Canada and United States, handling wholesale stock. Will be open for engagement after Aug. 1st; employed now but desires a change. None but first-class houses need apply. Address No. 134, care Florists' Review, Chicago.

FOR SALE—The plant of the Morton Grove Greenhouses, at Morton Grove, 14 miles from Chicago court house, consisting of 38,000 feet of glass, one-third of which is new glass, 16x20, put up in 1900; four acres of tiled land; excellent soil; 2,000 peonies planted 2 years old; steam heat, 3 boilers, one a 100 H. P. Kroeschell make virtually new; 80-foot brick chimney; two wells with deep well pumps. Beauty, Bride, Maid and Meteor plants with 20,000 good and fancy carnations in the field and 1,000 each Ethel Crocker and Flora Hill planted in houses will stock the place with A 1 plants. 3 young horses, 2 new wagons etc.; 150 tons washed coal on hand, balance required for next season contracted for and now taking in. Five room dwelling on 60 foot lot across the road. O'd established trade. Will make no charge for old range and want only a fair price for balance. Easy terms. Proprietor's business interests outside of city. Might rent to a responsible party. Address Paul Kreismann, care of United States Glue Co., Milwaukee, Wis.

"Green Goods"

ASPARAGUS PLUMOSUS, long, heavy strings. SPRENGERI, SMILAX, GALAX. All cut flowers in season.

We pride ourselves on having at all times the best to be found in this market. It is a point we would like buyers to remember. "Right Goods at Right Prices." Let us have your order.

E. C. AMLING,

The Largest, Best Equipped and Most Centrally Located
Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St.,
Long Distance Telephones 1999 and 1977 Central.

Chicago, Ill.

AMERICAN BEAUTY,		Per doz.
30-36-inch stem.....		\$3.00
24-inch stem.....		2.00
20-inch stem.....		1.25
15-inch stem.....		1.00
12-inch stem.....		.75
Short stem.....		\$4.00 to \$5.00 per 100
		Per 100
Brides and Maids.....		\$3.00 to \$5.00
Meteors and Gates.....		3.00 to 5.00
Kaiserins.....		3.00 to 8.00
Carnations.....		1.00 to 1.50
Harrisii, large.....		1.25
Auratum Lilies, per doz., \$1.25 to \$1.50		
Sweet Peas.....		.25 to .40
Valley.....		4.00
Marguerites.....		.40 to .50
Asparagus... per string, 50c.		
Asparagus Sprengeri.....		2.00 to 5.00
Ferns... per 1000, \$1.25.....		.15
Galax... " 1.25.....		.15
Adiantum.....		.75 to 1.00
Smilax..... per doz., \$1.50		10.00

Subject to change without notice.

WANTED, PARTNER—A hustling man with from one to two thousand dollars to extend an established greenhouse plant of 5,000 feet glass. Only mushroom grower in city of over 200,000 and unable last year to half supply demand. Address No 130, care Florists' Review, Chicago.

FOR SALE—My greenhouses, located in the finest part of Joliet, Ill. Hot water heater with city water supply. A thriving business of fifteen years' standing; will assure a fine living at small care. J. H. Conklin, Joliet, Ill.

FOR SALE OR RENT—7 greenhouses, fine location, hot water; also lot of pots and pipe for sale; owner sick. Apply to Frank June, 119 Marion St., Oak Park, Ill.

FOR SALE—The Florence Greenhouses, nearly 300 feet of glass, completely stocked with general line of plants; good stock of supplies. Good stock hardy plants outside. Hot water heat; splendid trade. Best town in Colo ado; no competition. \$1000 cash takes it. Worth \$3000. Immediate possession. Templin & Co., Florence, Colo.

WANTED—An experienced florist capable of taking full charge of a retail establishment of 5000 feet of glass in Wisconsin. References required as to character and ability. Address No. 135, care Florists' Review, Chicago.

FOR SALE—No. 8 Furman hot water boiler in good order. Is heating 8,000 ft. of glass. Make us cash offer, F. O. B. East Aurora, N. Y. Wise Bros.

WANTED—5,000 florists to use our special box label with their name and address printed thereon. Price \$2.00 per 1000 prepaid. Cash with order. Send for sample. In ordering write your name and address plainly to avoid errors. Address Scholl Printing Co., Chillicothe, Ohio.

WANTED—Sober reliable grower: roses carnations, mums and bedding stock; retail place; state wages expected with board and room. Lewis R. Allen Murphysboro, Ill.

WANTED—Young man with some experience in general greenhouse work. Permanent place and good wages paid. Address No. 123, care Florists' Review, Chicago.

WANTED—Two or three men for carnations and roses. Bassett & Washburn, Hinsdale, Ill.

FOR SALE—Cheap for cash, second-hand 4-in. cast iron pipe and fittings. Good condition. Address Cole Bros., Box 577, Peoria, Ill.

FOR SALE—Pair of first-class tubular steam boilers, 10 feet long, 36-inch diameter, in first-class condition with heavy full blast iron fronts. Grates and all appurtenances and belongings, f. o. b., \$250. If taken at once. Aug. S. Swanson, St. Paul Minn.

FOR SALE—One 10 horse-power horizontal tubular boiler in good condition. Has successfully heated 6,000 sq. feet glass for commercial purposes price \$45.00. Myers & Co., Bluffton, Ind.

WANTED—Partner to take half interest in greenhouse establishment of 20,000 sq. feet of glass, established 20 years, buildings nearly new; must be sober and good grower of cut flowers; price for half interest, \$6,500, \$2,500 cash, balance to suit purchaser. Address No. 125, care Florists' Review, Chicago.

FOR SALE—Two 20 horse power boilers. One 15 ft. long \$125.00; one 13 ft. long, \$150.00. Certificates with each for 100 lbs. steam. Address S. Gibbs, Woodville, Pa.

WANTED—Young man for place of 15,000 feet glass, where only cut flowers are grown; must be able to take charge and furnish A No. 1 references. H. Bornhoeft, Tipton, Ind.

FOR SALE—Greenhouses stocked; dwelling, about 4 acres ground; no competition. Good chance and will sell cheap on account of sickness. Address S. L. Harper, Mechanicsburg, O.

FOR SALE—Some double thick glass, 16x12, 11x14 and larger at \$2.75 per box. W. H. Salter, Rochester, N. Y.

WANTED—To rent or buy a well established florist business of about 10,000 to 25,000 square feet of glass. Send full particulars to No. 137, care Florists' Review, Chicago.

FOR SALE—A small greenhouse, hot water heat with double the necessary boiler capacity, besides about 7,000 to 8,000 flower pots all sizes, and 20 glazed hotbed sash, on fine location for sale cheap. Located beside a nice 7 room house, windmill and barn, which can be rented on reasonable terms. Good paying business. Address Aug. Schellenberger, Highland Park, Elkhart, Ind.

WANTED—Second hand hot water boiler, capable of heating about 4000 square feet of glass, must be in good condition; also 20 feet of ventilating apparatus—no old fashioned, worn out machine wanted; also 50 pieces of good 2-in. pipe, 10 feet long with one good thread; 200 feet 1-inch galvanized iron pipe, must be sound, with good threads; and 40 boxes of 16x24 D. S. glass good quality. State at once what you have with all particulars and lowest cash price for I mean quick business. Address Jas. Ambacher, Long Branch, N. J.

FOR SALE—Gorton side feed steam boiler, No. 138 (largest size) in good condition, used only two winters. Robt. M. Schultz, the extensive and well known florist of Madison, N. J., publicly testifies that a No. 137 (one size smaller) heated for him 15,000 sq. ft. of glass, keeping up a night temperature of 65 degrees and gave entire satisfaction. A prominent railway official using one of these boilers in his dwelling, believes it "the best heating machine made." Price \$200 f. o. b. Wm. B. Sands, Lake Roland, Baltimore, Md.

FOR SALE—New greenhouse material as follows: New 2-in. black pipe, long lengths, 10 cts. per ft.; 6x8, 50 ft. boxes, American glass, single, \$2.25 per box; 6x8, 50 ft. boxes, American, double, \$2.70 box; 6x8, 100 ft. boxes, French, single, \$4.00 box; 8x10 single French glass, \$1.50 per 100 ft box; 12x14, 16x18, 14x14, 50 ft. boxes, American glass, double, \$3.60 box; 12x12, 10x14, 50 ft. boxes, American glass, single, \$2.40 box. Clear gulf cypress greenhouse material and everything for building. Send for prices. S. Jacobs & Sons, 1365 to 1375 Flushing Ave., Brooklyn, N. Y.

For Sale. 4000 ft. 4-inch Pipe, with fittings; 2000 ft. 2-inch Pipe; One Boiler, heating capacity, 5000 feet 4-inch pipe; One Boiler, heating capacity, 1500 ft. 4-inch pipe. **W. L. SMITH, AURORA, ILL.**

New Glass

For the best offer. Write, stating how many boxes and what sizes you will need.

No. 126, care Florists' Review, Chicago.

...WANTED...

Two good men for general greenhouse work, two helpers in rose section. Permanent positions. Good chance to advance.

J. F. WILCOX, Council Bluffs, Iowa.

WANTED--Storeman.

One capable of taking charge of busy retail store in large city. Man who is a good salesman and can make money handling plants as well as cut flowers. Good wages to first-class man and none other wanted.

Address in confidence, No. 132, care Florists' Review, Chicago.

FOR SALE.

Two 60 in. by 12 ft. tubular boilers; now carrying 90 lbs. To be removed for larger ones.

The Adams & Westlake Company,
110 Ontario St., CHICAGO.

Greenhouses for Sale.

12,000 feet of glass; carnations grown; fine dwelling house; abundance of stock on hand; all in good condition; near R. R. station, nine miles from Chicago center; reason for selling at very low price.

OTTO HANSEN, Mont Clare, Ill.

FIXTURES FOR SALE.

Store fixtures complete, consisting of refrigerator 8x6x8 feet, plate glass front 5x6, plate glass doors, box made to order after original design, desk with mirror 5x6 feet, mantel shelf with mirror 5x6 feet, all glass and mirrors beveled plate, counter table 10x4 feet, plant table 8x8 feet, zinc lined, other shelving and fixtures all made to order of select birch, stained mahogany cost \$80.00, used six months; will sell at \$50.00. Address **AUGUST S. SWANSON, St. Paul, Minn.**



S. A. F. CONVENTION.

I will take charge of the exhibition of your goods at the S. A. F. Convention to be held at Milwaukee in August. Will give them good and faithful care and take orders if desired. Correspondence solicited. I refer by permission to The Florists' Review, The Chicago Carnation Co., Joliet, Ill., and The Joliet National Bank of Joliet, Ill. Address—

C. E. FINLEY, JOLIET, ILL.

Mention the Review when you write.

NURSERY NEWS.

AMERICAN ASSOCIATION OF NURSEYMEN.

Pres., N. W. Hale, Knoxville Tenn.; Vice-Pres., F. A. Weber, St. Louis; Sec'y, Geo. C. Seager, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-eighth annual convention will be held at Atlanta, Ga., June, 1904.

B. E. GAGE, of the Peterson Nursery, Chicago, is at Colorado Springs for a couple of weeks.

E. F. STEVENS, of Crete, will discuss "Orchard Interests in the Platte Valley" before the Nebraska State Horticultural Society July 28.

It was four years ago that J. B. Power left the printing office and established the Rose Lake Nurseries, three miles from Nacogdoches, Texas. He has sixty acres in fruit and forty acres in nursery stock, with a fine business.

THEODORE WIRTH, of the Hartford parks, says he has found red fescue (*Festuca rubra*), a good grass for shady situations or in sandy soil. The United States Department of Agriculture has recommended *Festuca heterophylla*.

THE H. J. Weber & Sons Nursery Company, St. Louis, has been incorporated with \$50,000, divided into 500 shares, of which Henry J. Weber holds 378. The rest are divided between William A., Walter T., Anna M., Emil C. and George A. Weber.

J. A. PETTIGREW, of the Boston park system, says he wants to speak a word for the ginkgo. It is of rapid growth and seems to have no fungus or insect enemies. It requires a rich, deep or well loosened soil, but should be very valuable as a street tree as far north as the great lakes.

M. OWEN, of London, Ont., has applied for a patent in Canada and other countries on a process of "administering to the growing tree certain ingredients which promote a vigorous and healthy growth and protect against borers, moths, caterpillars, San Jose scale, black-knot, yellows, leaf curl and other insect, parasite and fungous enemies to trees." If it does half of it, it ought to be a good thing.

CINCINNATI.

The Market.

Trade is much the same as reported last week. There is a little doing all of the time, but the prices obtained from these sales are so low that the sum total of each day's business is small. There is also a let up in the supply of stock. Good roses are scarce and many more could be disposed of. By good I mean good for this time of the year. The majority of the stock is short-stemmed and very poor. Beauties are improving in quality and there is quite a demand for them. Meteors and Liberties are very scarce.

There is a steady demand for white carnations. Some days there are not enough to go around. Good pink ones, too, find a ready market. Reds are now almost used up by the hot weather. Some Prosperity, which now come almost pure white, are first-class and bring the top market price.

The change in the weather has helped

out the sweet peas a great deal. The usual supply of white flowers are coming in goodly quantities with fair demand.

Various Notes.

Gus Adrian had a narrow escape from losing his entire plant by fire. The blaze originated in the boiler house, which was totally destroyed, and the ends of the greenhouses nearest the sheds were burned. Several valuable decorating plants were scorched, besides other stock. There was no insurance.

W. Rodgers and H. D. Edwards are back from their vacations and each reports having had a fine time.

David Knott has been appointed florist in the city greenhouses.

Club Meeting.

The first summer meeting of the club was held July 9 at the residence of D. Rusconi. More than 100 people were present and, notwithstanding the heat, they all expressed themselves as having had a great time. The menu was very elaborate and included many delicacies unknown to the visitors, besides wine imported from Italy. George Walker and Ben George, who are decided epicures, ate a majority of the lobsters in sight; that is, the cooked ones. Tom Hardesty, of Kentucky farm life fame, did his full share of devastation to the spread, but was not visibly affected in size. R. A. Kelly and Frank Huntsman arrived in time to fatten their batting averages in the eating lines. William Rodgers was on deck and lived up to his reputation. E. G. Gillett arrived very late, but there was still enough to satisfy his raving appetite. Mr. Rusconi was very busy seeing that everybody got his share of the good things and was very much at home as the host.

After the feast a meeting of the society was held. A committee consisting of Wm. Murphy, E. G. Gillett, Gus Adrian, Ben George and Geo. Loeber, was appointed to revise the constitution. The outing committee reported everything in readiness and prospects point toward a very good time on that day. It's only a question of the florists turning out. July 23 is the date. After the meeting dancing was in order.

C. J. OHMER.

MCDONALD, PA.—Max Schreiber is building a carnation house 23x100.

SPRINGFIELD, MASS.—Thomas Ford, one of the most extensive market gardeners here, died suddenly July 6 of Bright's disease. He was 62 years of age.

W. & T. SMITH COMPANY, GENEVA, N. Y.

Wholesale Growers of Ornamental Trees, Shrubs, Roses, Clematis, Fruit Trees, and Small Fruits in great variety.

Send for our Wholesale Price List.
Mention The Review when you write.

Send to **THE MOON** Company
For { Trees, Shrubs, Vines,
Your { and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.,
Morrisville, Pa.
Mention the Review when you write.

Seed Trade News.

AMERICAN SEED TRADE ASSOCIATION.

Pres., S. F. Willard, Wethersfield, Conn.; First Vice-Pres., J. Chas. McCullough, Cincinnati, O.; Sec'y and Treas., C. E. Keudell, Cleveland, O. The 22d annual meeting will be held at St. Louis, Mo., June, 1904.

HARRISII are now arriving at New York.

ROGERS BROS. will erect another elevator for seeds at Alpena, Mich.

VISITED PHILADELPHIA. — L. H. Archias, of the Archias Seed Co., Sedalia, Mo.

THE Evans Seed Co., of West Branch, Mich., was incorporated July 13, capital stock \$3,000.

THE beets in France are in a bad way and there is a practical certainty of still higher prices.

JOHN GARDINER, a wealthy Philadelphian who was in the seed trade for eight years prior to 1896, is dead.

MR. COOK, long with Wm. Henry Maule, Philadelphia, has severed his connection with that well known house.

THERE is a scarcity of the Early Pearl onion set. This is a variety in much demand at the south for early planting.

FRANK IMBACH, Newport News, Va., reports celery and parsley doing well; he expects a good crop, both quality and quantity.

THE seed and grain warehouse of D. S. Gay, Winchester, Ky., burned recently, with a large stock of grass seed. Loss about \$100,000, insurance \$75,000.

THE Yearbook of the Department of Agriculture, just issued, contains, in Secretary Wilson's report, the same illusive promise of an improvement in the plan of seed distribution.

MANY seedsmen doing retail business are commencing catalogue work for the season of 1904, considerably earlier than usual. Several novelties of unusual merit will be introduced the coming season.

PHILADELPHIA.—There was quite a free demand for seed potatoes during the past two weeks, prices ranging from \$2 to \$2.25 per bushel for sound stock, with not near enough seed to meet the demand.

A CAREFUL canvass of all the onion set sections shows the crop to be much shorter than at first anticipated. The number of bushels that will be handled is likely to fall much below the lowest estimate so far named by any of the experts.

CHICAGO.—The Leonard Seed Co. reports: Pea crops in Wisconsin considerably shortened by adverse early conditions. Weather at present favorable and the harvest of Extra Earlies, Alaskas and the dwarf early wrinkled sorts near at hand. In northern Michigan close inspection shows that there will be a shortage on all the varieties. On the whole the outlook is middling to fair. Bean crops pushing along with the usual drawbacks noted; some fields good, some bad, some fair. In general the conditions are about up to the average for this time of year. Radish, tomato, squash and cucumber, nothing extra. Failure to get

a good stand has cut down the cucumber acreage. The cold weather has kept tomato backward; radish only middling; squash poor.

A SEED dealer of Hamburg, Germany, writes C. A. King & Co.: "Here in Europe the red clover starts well, weather is fine, therefore being a surplus of food, farmers let stand for seed quite a quantity more than in the past ten years."

MUCH of the 1903 crop of Delaware grown crimson clover was injured by wet weather and many of the samples shown are quite dark in color. Under free offerings of French grown seed prices remain low, much too low to encourage its production for seed in this country.

VISITED CHICAGO:—J. B. Kidd, representing Cox Seed Co., San Francisco; Frank T. Emmerson, Waterloo, Neb.; Oscar H. Will, Bismarck, N. D.; Mr. McFall, of McFall Pharmacy, Danville, Va.; M. H. Ross, formerly in the seed department of Adolphus Wysong, Lebanon, Ind.

THE PEA CROP.

The John H. Allan Seed Co. sends out the following under date of Sheboygan, Wis., July 13:

The past two weeks have been favorable to the growth of the pea crop in most places in Ontario and northern Wisconsin; heavy showers in most localities followed by warm weather. Further examination of fields in Wisconsin show greater damage from frost than expected, and extending nearly over the whole of northern Wisconsin with great damage to all the earlier fields that were in bud or blossom at that time. Early dwarf peas, Excelsiors and Wonders, seem to have been specially subject to injury and the shortage on these will be heavy, and while frost has not injured our crops in Canada, dwarf peas are unusually short there because of early drought and because of short straw much will be wasted in harvest, and the yield light. Gradus seems to have suffered greatly from the cold spring, as fields sown with seed of perfect germination stand very thin and the yield of this pea will be light. Medium and late peas generally promise well, also Alaskas.

BALTIMORE.

The Market.

Last week witnessed the height, or the depth, of dullness for this season, the call for cut flowers being practically limited to those for funeral occasions, pretty much all social functions being at an end. The supply grows more limited, as houses are being emptied of roses, and carnations which fluctuate daily from paucity to over-abundance are, thanks to the tropical weather, of very poor quality. Outdoor stuff has been in excess of calls until today (July 13), when there was none in evidence.

Yesterday there was a storm of rain and wind of great violence, with the usual result that outside flowers were for a time put an end to. Cochet roses, sweet peas and asters were destroyed in great quantities. The fury of the storm was greatest in the city, where houses were unroofed by the hundreds. In the environs the losses, except of growing crops, do not, so far as reported, seem to be great. There was some hail, but it was limited to narrow localities. Today there

Stumpp & Walter Co
50 Barclay St. N.Y.

Cycas Stems.

2 to 3 lbs. 4 to 5 lbs. 6 to 7 lbs.
Per 100 lbs...\$7.50 Per 1000 lbs...\$65.00

Burpee's Seeds Grow

SEEDS

THE ALBERT DICKINSON CO.

Timothy, Clovers, Flax, Hungarian, Millets, Red Top, Blue Grass, Lawn Grass, Orchard Grass, Pasture Mixtures, Bird Seeds, ENSILAGE CORN, POP CORN, BUCKWHEAT, BEANS, PEAS, ETC. COTTON GRAIN BAGS. CHICAGO ILL.

BUY Your BULBS IN ST. LOUIS.

WHITE CALLAS.

2 to 2½-in. diameter, doz., \$1.25; 100, \$9.00
1½ to 2-in. " " 1.00 " 7.00
1½ to 1¾-in. " " .75 " 5.00

FREESIA REP. ALBA.

¾-in. up 100, \$1.00; 1000, \$7.75
¾-in. up " .75 " 5.00

For immediate order and cash.

All Western Growers should receive our **IMPORT PRICE LIST OF FORCING BULBS**

Plant Seed Co., Saint Louis.

A few hundred small Cycas Stems still on hand 6c per lb.

Mention The Review when you write.

were light showers and a marked decline from the torrid conditions of last week.

Notes.

On Thursday afternoon the members of the Gardeners' Club were entertained by J. H. Keplinger, gardener to William Lanahan, at his well-kept place on Bellevue avenue, a few miles from the city. The attendance was large and the hospitality is said to have been most generous. B.

OMAHA.

The florists have settled down to their summer business. All of the local growers and retailers report a satisfactory trade. The heat last week affected the roses and carnations, but as rain and colder weather have set in, the stock is coming in better shape.

The Florists' Society holds the annual picnic Thursday afternoon and evening at Courtland Beach. All the flower stores will be closed that afternoon.

There will be a number of Omaha florists at the Milwaukee convention but it is doubtful if a bowling team can be got together. L. H.

JAMESVILLE, N. Y.—Miller & Clark have dissolved partnership, I. J. Clark continuing the business.

WEST HOBOKEN, N. J.—Since July 1 the rose growing establishment conducted by Ernst G. Asmus has been run under the title of E. G. Asmus & Son.

ESTABLISHED 1802.

Thorburn's Seeds

for over a 100 years have been universally recognized as the standard of excellence.

Florists are invited to send for our

ANNUAL TRADE LIST OF BULBS just published.

New Crop **Thorburn's Superb Pansy** and **Madame Perret Pansy**, NOW READY.

Cycas Revoluta Stems.

J. M. THORBURN & CO.

36 Cortlandt St., NEW YORK.



RAWSON'S Arlington Tested

Seeds FOR THE FLORIST

Catalogues Mailed Free.

W. W. RAWSON & CO., Seedsmen, 12 and 13 Faneuil Hall Square, BOSTON.

Mention the Review when you write.

CINERARIA SEED

Large Flowering—Splendid mixed, 50c and \$1.00
Dwarf—Splendid mixed 50c and 1.00
Primula Chinese Fringed — Separate or mixed 50c
Pansy Superb Mixed—Unexcelled strain, ¼-oz., 75c ounce, 5.00

W. C. BECKERT, - ALLEGHENY, PA.

Mention the Review when you write.

BEGONIA GLOIRE DE LORRAINE
Strong, 2-inch pots, JULY DELIVERY
\$15.00 per 100; \$140.00 per 1000

J. H. REBSTOCK, 586 Main Street, BUFFALO, N. Y.

Always Mention the....

Florists' Review

When Writing Advertisers.

SAMUEL S. PENNOCK,
SUMMER ROSES.

Open from 7:30 a. m. to 6 p. m.
During July and August
close on Saturdays at 1 p. m.

Wholesale Florist,
1612 Ludlow St., PHILADELPHIA.

WE may not have done as much talking about ourselves as some houses do; nevertheless WE ALWAYS HAVE THE STOCK.

Meteors, Maids and Brides, best in the market; very good for the season.
Also first-class CARNATIONS. Give us your order and judge for yourself.

J.A. BUDLONG
37-39 Randolph St., CHICAGO.

All Cut Flowers in season. No charge for P. & D. on orders of \$4.00 and over.

AMERICAN BEAUTY, Per doz.

30-36-inch stem	\$3.00
24-inch stem	2.00
20-inch stem	1.25
15-inch stem	1.00
12-inch stem	.75
Short stem	\$4.00 to \$5.00 per 100

Per 100	
Brides and Maids	\$3.00 to \$4.00
Meteors and Gates	3.00 to 4.00
Kaiserins	3.00 to 8.00
Carnations	1.00
Carnations, fancies	1.50 to 2.00
Auratum, fine	\$1.25 to \$1.50 per doz.
Valley	3.00 to 4.00
Adiantum	.75 to 1.00

Mention The Review when you write

CARNATION SOCIETY.

In addition to the premiums offered in the preliminary list, J. B. Valentine, of the Park Floral Co., Denver, Col., offers \$25 in cash for the best twelve blooms of one variety of an undisseminated seedling, shown by the originator. All varieties are excluded that are shown in classes requiring a larger number than twelve blooms, but competition for this prize does not exclude the exhibitor from showing the same variety in Class H, or any similar class that may hereafter be added requiring but twelve blooms or less of a variety to be shown.

Parties having promising seedlings with a limited number of plants will do well to note this premium and if not members of the society write the secretary asking that their names be put down for the regular premium list after January 1, so as to get the needed information for making entries, etc.

ALBERT M. HERR, Sec'y.

"A BRIGHT SPOT."

Are you coming to the convention? You have but a few weeks to deliberate on this important question, but you should not lose a moment's time hesitating about this great event.

It is an assured fact that every able-bodied florist is coming and the florists' business will be at a standstill all over the country, except at Milwaukee, where there will be something doing. You cannot afford to miss this opportunity of meeting your brethren in the trade, exchanging notes and renewing acquaintances. The east is coming strong and New York is already talking carload lots, both in exhibits and human freight. Now let the west and south respond from each and every hamlet and we will have one of the greatest gatherings of florists in the history of the society.

The entries in the trade exhibit are exceptionally large and our spacious convention hall will be filled with the latest novelties in our line. This feature alone is worth coming miles to see. The various committees of the Milwaukee Florists' Club are perfecting plans for the comfort of every visitor. The entertainment committee is completing arrangements which will take the cares off your business at least for the time being. The ladies' day committee will

look after the welfare of the ladies in a way that will please them. The bowling committee promises a cool temperature but a hot time. The Olympia alleys, where the bowlers will hold sway, are perfection. There are twelve alleys, all under one roof, with plenty of light and fresh air and sufficient room to accommodate a large crowd of spectators. There will be such a large entry that there will be no chance to lose, so don't fail to enter a team. The more the merrier.

The hotels of Milwaukee are many in number, both on the American and European plans. The fact of the hotel capacity of our city being so great and the solid comfort offered by these host-leries so excellent will be a potent factor in giving to our city a reputation as an ideal place for holding the convention. If you wish to reserve accommodations in advance write H. V. Hunkel, chairman hotel committee, 454 Milwaukee street, or to the hotel direct.

C. C. P.

MILWAUKEE COMMITTEES.

There is a general committee, consisting of the officers of the Milwaukee Florists' Club, who will have general charge of the entire entertainment to be given to the visitors at the coming convention of the S. A. F. The committee will make all final arrangements and decide the best entertainment possible for the money that can be secured. The committee consists of C. C. Pollworth, president; H. V. Hunkel, secretary; J. Dunlop, vice-president, and C. B. Whitnall, treasurer.

A ladies' day committee will make all necessary arrangements for the proper entertainment of the ladies. This committee consists of F. P. Dilger, chairman, J. Heitman, R. Zepnick and Jos. Pollworth.

A bowling committee will have entire charge of the entertainment at the bowling contest, the committee consisting of F. H. Holton, chairman, A. Klokner, W. A. Kennedy, also all members on the bowling team.

A shooting committee will have charge of the arrangements for the shooting contests. The committee consists of Fred Schmeling, chairman, Wm. Edlefsen.

The president's reception committee consists of C. C. Pollworth, chairman,

C. B. Whitnall, Wm. Currie, B. Gregory and H. V. Hunkel.

A reception committee, which will see to it that the visitors are received in the proper manner, consists of Wm. Currie, chairman, Wm. Ellis, J. Arnold, R. Preuss, Nic Zweifel, B. Gregory, P. Kapsalis, G. Baerman, C. Johansen, J. C. Howard, C. Burmiester, Wm. Brauch, W. Holiday, A. Hoge, R. C. Hansen, O. Sylvester, A. Dettmann, W. E. Dallwig, O. Teibohl, C. Menger, A. B. Lootbouro, J. Chacona.

The subscription committee consists of C. B. Whitnall, chairman, F. H. Holton and W. A. Kennedy.

The hotel committee consists of H. V. Hunkel, chairman, F. P. Dilger and Wm. Edlefsen.

HOTELS OF MILWAUKEE.

The following downtown hotels in Milwaukee are within five or ten minutes' walk of the convention hall. Rooms for convention week may be reserved at any time:

Aberdeen Hotel, Grand Ave.—Rates, \$10 to \$14 per week, American plan.

Hotel Atlas, Third and Sycamore Sts.—Rate, \$2 per day.

Hotel Blatz, City Hall Square—Rate, \$1 per day and upward, European plan.

Globe Hotel, Wisconsin and Cass Sts.—Weekly rates; American plan, \$10 to \$15; European plan, \$5 to \$10.

Kirby House, E. Water and Mason Sts.—Rates, \$2 to \$2.50 per day.

Hotel Pfister, Wisconsin and Jefferson Sts.—Rates, American plan, \$3 to \$5 per day; European plan, \$1.50 to \$3.50 per day.

Plankinton House, Grand Ave.—Rates, American plan, \$2.50 and upward per day; European plan, \$1 and upward per day.

Republican House, Third and Cedar Sts.—Rates, American plan, \$2 to \$3 per day; European plan, \$1 and upward.

Schlitz Hotel, Grand Ave. and Third St.—Rate, European plan, \$1 per day and upward.

St. Charles Hotel, City Hall Square—Rates, per day, one person, \$2 to \$3.50; two persons from \$4 to \$6.

KANSAS CITY.

Hot weather is here in earnest and business is sadly wilted. Most of the florists are busy, however, remodeling houses and preparing for their winter crops. Mrs. Edgar and Messrs. Roschneider and Barbe have closed their stores for the summer. Carnations and roses are not very plentiful and the quality nothing extra, even for summer stock. Sweet peas are abundant and good in all but price, ranging from 15 to 20 cents per hundred.

S. A. P.

CLOSE AT 8:00 P. M.

ACKNOWLEDGED TO BE THE FINEST IN THE WORLD.

JOHNSON & STOKES' KINGLY COLLECTION PANSY, unquestionably the finest strain of Giant Pansies now offered to the trade, per 1000 seeds, 30c; 2000 seeds, 50c; 5000 seeds, \$1.00; per oz. \$.50

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55-57 W. 26th St. NEW YORK CITY. SHIPPING ON COMMISSION. Tel. 2034 and 2239 Madison Square.

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BRADSHAW & HARTMAN,
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Telephone 1239 Madison Square.
Consignments Solicited.
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JAMES McMANUS, Telephone, 50 W. 30th St., NEW YORK
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THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND.
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Open every day at 6 a. m.
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Wholesale Commission Dealer in
CUT FLOWERS
39 West 28th St., NEW YORK.
(Established 1882)
Receiving Extra Quality American Beauties and all other varieties of Roses.
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WHOLESALE FLORISTS,
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Cut Flower Exchange.
OPEN ALL DAY!
AN UNEQUALLED OUTLET FOR CONSIGNED FLOWERS
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The finest stock in the market always on hand.

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A No. 1 assortment of money-makers, strong 2-inch, \$2.00 per 100.
Geraniums—Mixed, 2-inch, \$2.00 per 100.
Verbenas—2-inch, \$1.50 per 100.
Also Chrysanthemums, Pelargoniums, Star Petunias, Selaginellas, Salvias, etc.
E. I. RAWLINGS, Quakertown, Pa.

YOU WILL FIND ALL THE BEST OFFERS ALL the time in the Review's Classified Advs.

Wholesale Cut Flower Prices.

New York, July 15.

	Per 100
Beauties, Specials	\$ 8.00 to \$10.00
Extra	6.00 to 8.00
No. 1	2.00 to 3.00
Shorts	1.00 to 2.00
Queen of Edgley, Specials	8.00 to 10.00
Fancies	6.00 to 8.00
Seconds	2.00 to 5.00
Brides and Maids, Specials	3.00 to 4.00
Extra	2.00 to 3.00
No. 1	1.00 to 2.00
No. 2	1.00 to 1.00
Liberty	5.00 to 10.00
Meteor	2.00 to 4.00
Cattleyas	30.00 to 50.00
Cypripediums	12.00
Dendrobium formosum	15.00 to 25.00
Laelias	10.00 to 40.00
Carnations, Common .....	.25 to .50
Selects .....	.50 to .75
Fancies .....	.75 to 1.00
Novelties	1.00 to 1.50
Sweet Peas, per 100 bunches, \$1 to \$2 .....	.50 to .75
Adiantum cuneatum	1.00 to 1.50
Crowneum	1.00 to 1.50
Asparagus plumosus, Strings	25.00 to 50.00
Sprenger's Sprays	1.00 to 2.00
Harrisii lilies	4.00 to 5.00
Callas	4.00 to 5.00
Valley	1.00 to 2.00
Smilax	8.00 to 12.00
Ferns, Common, per 1000, 75c.	
Fancy, per 1000, \$1.50.	

Midsummer dullness prevails. There isn't an oasis in the desert. The past week was the worst of the season; it seems impossible that conditions could be more deplorable. Shipments of bloom have been enormous, quality up to the average, but the demand is dead and the waste is sad to contemplate.

SOCIETY OF AMERICAN FLORISTS.

Plant Registration.

Henry Morris, of Syracuse, N. Y., submits to the S. A. F. for registration, the new canna Lord Charles Beresford, non-flowering; foliage wine colored, pointed; habit erect. A sport from Robusta.
WM. J. STEWART, Sec'y.

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Wholesale Florists,

Strictly Wholesale, 34 W. 29th Street, New York City.
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Daily Reports. Weekly Payments.
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115 West 30th St., NEW YORK.
Telephone No. 956 Madison Sq.

WANTED a few more reliable growers of Carnations and Violets. Only first-class stock handled.

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Consignments Solicited. Quick returns to Shippers. Highest Market Prices Guaranteed.
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Specialties, CARNATIONS and MIGNONETTE.

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COTTAGE GARDENS

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QUEENS, - L. I., N. Y.

ASPARAGUS Plumosus Nanus

2-inch pots,
\$3.00 per 100; \$25.00 per 1000

Asparagus Sprengeri

2-inch pots,
\$3.00 per 100; \$25.00 per 1000

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300-306 Dearborn St., CHICAGO.
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Wholesale Cut Flower Prices.

Pittsburg, July 15.

	Per 100
Beauties, Specials	\$20.00 to \$30.00
Extra	15.00 to 18.00
No. 1	8.00 to 12.00
Shorts	2.00 to 4.00
Brides and Maids, Specials	6.00
Extra	4.00 to 5.00
No. 1	2.00 to 3.00
No. 2 .....	.50 to 1.00
Kaiserin	2.00 to 8.00
Liberty	4.00 to 6.00
Carnations, Common .....	.50 to .75
Selects	1.00 to 1.25
Fancies	1.50 to 2.00
Adiantum Cuneatum .....	.75 to 1.00
Asparagus plumosus, Strings	80.00 to 50.00
Sprays	2.00 to 3.00
Sprengeri, Sprays	2.00 to 3.00
Asters .....	.75 to 1.00
Callas	8.00 to 4.00
Daisies .....	.20 to .50
Gladioli	3.00 to 8.00
Lilium Longiflorum	8.00 to 10.00
Lily of the Valley	8.00 to 4.00
Smilax	10.00 to 15.00
Sweet Peas .....	.25 to .50

Baltimore, July 15.

	Per 100
Beauties No. 1	\$8.00 to \$10.00
Shorts	3.00 to 5.00
Brides and Maids, No. 1	3.00 to 4.00
No. 2	2.00 to 3.00
Golden Gate	2.00 to 4.00
Liberty	2.00 to 3.00
Meteor	2.00 to 3.00
Perle	2.00 to 4.00
Carnations, Commons .....	.50 to 1.00
Adiantum Cuneatum	1.00
Asparagus plumosus, Sprays	1.50 to 2.00
Sprengeri, Sprays	1.50 to 2.00
Smilax	10.00 to 20.00
Sweet Peas15 to .20

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DAVENPORT, IA.—The Bills Floral Company has been incorporated by F. L. Elizabeth, Harry M. and Florence Bills, capital stock \$10,000, to take over the business of F. L. Bills. All of the incorporators have been connected with the concern for years and the change simply puts it in better shape.

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FANCY AND DAGGER FERNS!

50c per 1000 Discount on large orders. Contracts made to supply the year around. Use our Laurel Festooning for your decorations. It's the best decorating material to be found for weddings, etc.; price 4c, 5c and 6c per yd. Galax Leaves, Green or Bronze, 75c per 1000. Mosses, etc. Everything in the hardy supplies and gathered fresh daily. Send us your wants and be well satisfied.



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TRAENDLY & SCHENCK, Wholesale Florists

AND CUT FLOWER EXCHANGE
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Telephones 798 and 799 Madison Square. CONSIGNMENTS SOLICITED.

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Wholesale Florists,

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Brilliant Bronze, at 75c per 1000 in 2000 lots or more.

PERNS—Fancy, \$1.25 per 1000; Dagger, \$1.00 per 1000. Green sheet Moss—\$2.50 per bbl. sack. Sphagnum Moss—\$1.75 per large bale.

All kinds FLORISTS' SUPPLIES.

L. J. KRESHOVER, 110-112 W 27th St., New York

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53 West 28th Street (Basement),

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Stands at Cut Flower Exchange, Coogan Bldg, West 26th St., and 34th St. Cut Flower Market.

— SPECIALTIES —

GALAX LEAVES, FERNS AND LEUCOTHOE SPRAYS.

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HARRIS H. HAYDEN, Pres.

WM. A. MOORE, Vice-Pres.

JNO. E. WALKER, Sec. and Treas.

Wholesale Cut Flower Prices.

Chicago, July 15.		
	Per doz.	
Beauties, 36 to 40-inch stems.....	\$3.00	
" 30-inch stems.....	2.50	
" 24 ".....	2.00	
" 20 ".....	1.50	
" 16 ".....	1.25	
" 12 ".....	1.00	
" Shorts.....	.75	
Per 100.		
Bridesmaids, Specials.....	\$4.00 to \$5.00	
Firsts.....	2.00 to 3.00	
Seconds.....	1.00	
Brides, Specials.....	4.00 to 5.00	
Firsts.....	2.00 to 3.00	
Seconds.....	1.00	
Kaiserin.....	4.00 to 5.00	
LaFrance.....	4.00 to 5.00	
Liberty, Specials.....	8.00 to 10.00	
Firsts.....	6.00 to 8.00	
Seconds.....	3.00 to 5.00	
Golden Gate, Firsts.....	4.00 to 5.00	
Seconds.....	2.00 to 3.00	
Meteor, Firsts.....	4.00 to 5.00	
Seconds.....	2.00 to 3.00	
Mme. Chatenay, Firsts.....	6.00 to 8.00	
Seconds.....	3.00 to 5.00	
Ivory, Firsts.....	4.00 to 5.00	
Seconds.....	2.00 to 3.00	
Carnations, Fancy.....	2.00 to 3.00	
Commons.....	1.00 to 1.50	
Gladioli.....	2.00 to 5.00	
Callas.....	\$1.25 a doz.	
Water Lilies.....	1.00	
Sweet Peas.....	.20 to .40	
Auratum Lilies.....	\$1.25 to \$1.50 doz	
Valley.....	3.00 to 5.00	
Harrisii Lilies.....	8.00 to 10.00	
Marguerites.....	.40 to .50	
Adiantum cuneatum.....	.75 to 1.00	
Asparagus plumosus, Strings.....	35.00 to 50.00	
Sprays.....	2.00 to 3.00	
Asparagus Sprengeri, Sprays.....	2.00 to 5.00	
Smilax.....	\$1.25 to \$1.50 per doz.	
Common ferns, per 1000, \$1.25		
Galax Leaves, \$1.25 per 1000		

Milwaukee, July 15.		
	Per 100	
Beauties, Specials.....	\$15.00 to \$18.00	
Extras.....	10.00 to 12.00	
No. 1.....	6.00 to 8.00	
Shorts.....	2.00 to 4.00	
Brides and Maids, Specials.....	6.00	
Extra.....	4.00	
No. 1.....	3.00	
No. 2.....	2.00	
Golden Gates.....	4.00 to 6.00	
Kaiserin.....	4.00 to 6.00	
Liberty.....	4.00 to 6.00	
Meteor.....	2.00 to 4.00	
Perle.....	2.00 to 4.00	
Carnations, Selects.....	.50	
Fancy.....	1.00 to 2.00	
Asparagus plumosus, Strings.....	50.00	
Sprays.....	2.00 to 4.00	
Sprengeri.....	2.00 to 4.00	
Daisies.....	.50	
Smilax.....	10.00 to 12.50	
Sweet Peas.....	.10	
Common Ferns.....	.20	

Trade is quiet and there is plenty of stock. Carnations are holding up well in quality in spite of the hot weather, but roses run somewhat small. There is quite a variety of outdoor flowers, but little demand for them.

ANN ARBOR, MICH.—James Goodhue is remodeling his place and about doubling his glass area.

WATERTOWN, WIS.—Loeffler Bros. have dissolved partnership, Ferdinand Loeffler continuing at the old stand while Albert Loeffler starts in for himself, with two houses 22x100 at 1118 Center street. Each will grow violets for the wholesale market.

OSHKOSH, WIS.—Mrs. Mary Ann Miles, widow of the late Isaac Miles, died June 26. She was born April 9, 1825, in Hodson, Wiltshire, England. In 1853 she came to the United States and settled in Oshkosh, where she made her home almost continuously until her death. Her husband was for a great many years a prominent florist and after his death, about a year ago, the family continued the business. Those surviving Mrs. Miles are five daughters and one son.

E. H. HUNT

THE "OLD RELIABLE" FOR

Wholesale Cut Flowers

That's Flowers Go Everywhere.

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Bassett & Washburn

76 Wabash Ave., CHICAGO, ILL.

WHOLESALE GROWERS OF AND DEALERS IN CUT FLOWERS

Greenhouses at Hinsdale, Ill.

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A. L. RANDALL,

Wholesale Florist

Don't forget we are at 19 and 21 RANDOLPH ST., CHICAGO.

Write for special quotations on large orders.

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37-39 Randolph Street CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

WIETOR BROS.

Wholesale Cut Flowers

All telegraph and telephone orders given prompt attention.

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59 Wabash Avenue, CHICAGO.

SEND FOR WEEKLY PRICE LIST.

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Poehlmann Bros. Co.

Wholesale Cut Flowers.

All telegraph and telephone orders given prompt attention. Greenhouses: Morton Grove, Ill.

35-37 Randolph Street, CHICAGO, ILL.

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BENTHEY & CO.

35 Randolph Street, CHICAGO.

F. F. BENTHEY, Manager. Wholesale and Commission FLORISTS

Consignments Solicited.

Mention The Review when you write.

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Grower and Wholesaler of Cut Flowers

800,000 SQUARE FEET OF GLASS. Headquarters for American Beauty.

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WHOLESALE GROWER of Cut Flowers.

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GREENHOUSES, ROGERS PARK, ILL. Telephone Central 3598.

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Wholesale Growers and Shippers of CUT FLOWERS

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With the Flower Growers' Co. Telephone—Central 3067.

All telephone and telegraph orders given prompt attention.

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Wholesale Grower of Cut Flowers, FERNs.

Special attention given to Hardy Cut

55-57 Wabash Avenue, CHICAGO, ILL. Telephone Central 3284.

Mention the Review when you write.

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51 Wabash Ave., Chicago,

WHOLESALE DEALER IN AND GROWER OF CUT FLOWERS

Two Daily Shipments from my greenhouses. Fresh Stock always ready for orders. Write, Wire or Phone. Quick Service Given.

Lily of the Valley.

From cold storage. Finest in the market. \$14.00 per 1000; \$1.50 per 100

CUT VALLEY—The best always on hand.

H. N. BRUNS,

1409 W. Madison St., CHICAGO.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000 ... \$1.50; 50,000 ... \$6.25. Sample free.

For sale by dealers.

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ICHIGAN CUT FLOWER EXCHANGE.

WHOLESALE FLORISTS AND CUT FLOWER COMMISSION.

Full line of FLORISTS' SUPPLIES and SUNDRIES.

WM. DILGER,

Manager.

COMMON FERNS, \$1.50 per 1000.
 GALAX, Bronze or Green, 1.00 "

51 Miami Ave., Detroit, Mich.

Wholesale Cut Flower Prices.

St. Louis, July 15.

	Per doz.
Beauties, Specials.....	\$2.00 to \$3.00
Extra.....	1.00 to 1.50
Shorts.....	.50 to .75
Brides and Maids, Specials.....	\$3.00 to \$4.00
Extra.....	2.00 to 3.50
Carnot.....	3.00 to 4.00
Golden Gates.....	3.00 to 4.00
Kaiserin.....	3.00 to 4.00
Meteor.....	2.00 to 3.00
Perle.....	2.00 to 3.00
Sunrise.....	2.00 to 3.00
Carnations, Commons.....	.75 to 1.00
Fancies.....	1.50 to 2.00
Adiantum Cuneatum.....	1.00 to 1.25
Adiantum Farleyense.....	1.00 to 1.25
Asparagus plumosus, Strings.....	35.00 to 50.00
Sprays.....	1.00 to 1.50
Sprengerl.....	1.00 to 1.50
Asters.....	1.00 to 2.00
Gladioli.....	3.00 to 4.00
Hollyhocks.....	.75 to 1.00
Lily of the Valley.....	3.00 to 4.00
Smilax.....	12.00 to 15.00
Sweet Peas.....	.15 to .25
Tuberose.....	3.00 to 4.00
Galax.....	.15
Common Ferns.....	.20

Cincinnati, July 15.

	Per 100
Beauties, Specials.....	\$25.00
Extra.....	\$15.00 to 20.00
No. 1.....	10.00 to 12.50
Shorts.....	3.00 to 6.00
Brides and Maids, extra.....	5.00
No. 1.....	3.00 to 4.00
No. 2.....	2.00
Golden Gates.....	2.00 to 5.00
Kaiserin.....	2.00 to 6.00
Liberty.....	2.00 to 6.00
Meteor.....	2.00 to 5.00
Perle.....	2.00 to 4.00
Carnations, Commons.....	.75
Selects.....	1.00 to 1.50
Fancies.....	2.00 to 3.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, Strings.....	50.00
Sprengerl, Sprays.....	2.00 to 3.00
Daisies.....	.25 to .50
Gladioli.....	2.00 to 3.00
Lily of the Valley.....	3.00 to 4.00
Smilax.....	12.50 to 15.00
Stocks.....	2.00 to 4.00
Sweet Peas.....	.10 to .25
Galax.....	.15
Common Ferns.....	.25

CAMDEN, N. J.—The greenhouse business conducted for the past thirty years by Theodore Wiles will be continued by his son-in-law, Spencer Cummings, Mr. Wiles having retired.

FREMONT, NEB.—C. H. Green has received from Moninger the material for two carnation houses, each 15x120, high gutters with walk under same. He will also put up a violet house this fall, 120 feet long. Mr. Green expects to put up a nice exhibit for the State Fair this fall. Carnation stock in the field is coming along nicely, as is everything else. They will finish benching roses in the next ten days.

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.
 Manufacturers of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.
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Lily of the Valley
 of good quality always on hand.
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 134 to 144 Herndon St. CHICAGO.
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Write for Prices.




FANCY

DAGGER

L. B. BRAGUE,

Oldest, largest and most reliable dealer in the U. S. HINSDALE, MASS.

Wholesale Cut Flower Prices.

Boston, July 15.

	Per 100.
Beauties, Specials.....	\$20.00
Extra.....	\$10.00 to 15.00
No. 1.....	6.00 to 8.00
Shorts.....	2.00 to 4.00
Brides and Bridesmaids, Specials.....	8.00
Extra.....	3.00 to 6.00
No. 1.....	1.00 to 2.00
No. 2.....	.50 to 1.00
Carnot.....	4.00 to 10.00
Kaiserin.....	2.00 to 10.00
Liberty.....	2.00 to 16.00
Mrs. Morgan.....	2.00 to 6.00
Carnations, Common.....	.25 to .50
Selects.....	1.00
Fancies.....	2.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, Strings.....	50.00
Sprays.....	1.00 to 2.00
Sprengerl, Sprays.....	1.00 to 4.00
Gladioli.....	3.00 to 6.00
Lily of the Valley.....	3.00 to 5.00
Mignonette, Ordinary.....	1.00
Smilax.....	12.00
Sweet Peas.....	.15
Galax.....	.15
Common Ferns.....	.15

Buffalo, July 15.

	Per 100
Beauties, Specials.....	\$20.00 to \$25.00
Extra.....	10.00 to 15.00
No. 1.....	5.00 to 8.00
Shorts.....	1.00 to 3.00
Brides and Maids, Extra.....	6.00
No. 1.....	3.00 to 4.00
No. 2.....	1.00 to 2.00
Carnot.....	2.00 to 6.00
Cusin.....	1.00 to 4.00
Golden Gate.....	1.00 to 4.00
Kaiserin.....	2.00 to 6.00
Liberty.....	2.00 to 6.00
Mme. Testout.....	1.00 to 3.00
Meteor.....	1.00 to 5.00
Mrs. Morgan.....	1.00 to 4.00
Perle.....	2.00 to 4.00
Sunrise.....	1.00 to 3.00
Carnations, Common.....	.40 to .75
Selects.....	1.00 to 1.25
Fancies.....	1.50 to 2.00
Adiantum Cuneatum.....	.50 to 1.00
Farleyense.....	8.00 to 10.00
Asparagus plumosus, Strings.....	40.00 to 50.00
Sprays.....	1.00 to 2.00
Sprengerl, Sprays.....	1.00 to 3.00
Gladioli.....	2.00 to 3.00
Lilium Harrisii.....	15.00
Longiflorum.....	15.00
Lily of the Valley.....	2.00 to 4.00
Smilax.....	10.00 to 15.00
Sweet Peas.....	.05 to .20
Water Lilies.....	.50 to 3.00
Galax.....	.10 to .15
Leucothoe.....	.10 to .75
Common Ferns.....	.10 to .15

CHESWICK, PA.—M. M. Bunting is in trouble for negotiating for a loan on some school bonds which were found to be forgeries, although he says his mother bought them in good faith.

IOLA, KAN.—A. L. Harmon is adding one new house for carnations but has leased his establishment to R. O. Henderson, who for seven years has been with Fred Rentschler, at Madison, Wis. Mr. Harmon has not yet decided on his future movements.

FRANK M. ELLIS,

Wholesale Florist,

1316 Pine Street,

St. Louis, Mo.

PLENTY OF STOCK IN ALL FLOWERS IN SEASON.

A COMPLETE LINE OF FLORISTS' SUPPLIES.

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LEADING RETAIL FLORISTS.

The following retail florists are prepared to fill orders from other florists for local delivery on the usual basis. If you wish to be represented under this heading now is the time to place your order.

ALEXANDER McCONNELL, 546 Fifth Avenue,
Cor. 45th St., N.W.
New York City.

Telegraphic orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.
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New York City.

Out-of-town orders for delivery in New York carefully and promptly filled at reasonable prices.

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1294 BROADWAY,
In the heart of NEW YORK CITY.
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OUR MOTTO—"THE GOLDEN RULE."

HAVE YOUR RETAIL ORDERS

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GEO. WITTBOLD CO.,
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Suburb of Chicago.
Out-of-town orders of all kinds given careful and prompt attention.
Long distance phone, Evanston 56.

Seattle Floral Co.
4th Ave. and Denny Way, Seattle, Wash.

Mrs. Chas. Eickholt,
2319 AVENUE M. Galveston, Tex.

Shibeley The Florist,
311 BUTTER ST., SAN FRANCISCO, CAL.

Slevers & Boland,
25-27 Post Street. San Francisco, Cal.

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PORTLAND, ORE.

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New York City,

Fill all orders for Florists
at current prices less the
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N. Illinois St., Indianapolis, Ind.

A. GUDE & BRO.

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EUCLID
AVENUE. CLEVELAND, OHIO.

John Breitmeyer's Sons,

Cor. MIAMI and GRATIOT AVES.
DETROIT, MICH.

WM. SCOTT,

Main and Balcom Sts.

Buffalo, N. Y.

U. J. VIRGIN,
838 Canal Street. NEW ORLEANS, LA.

S. B. Stewart,
119 No. 16th Street, OMAHA, NEB.

Orders for Philadelphia

WILL BE FILLED BY

Century Flower Shop,
112 South 12th Street.

H. H. BATTLES, Proprietor.

FRED C. WEBER, FLORIST,

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ESTABLISHED 1873.
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* WILL BE FILLED BY

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Telephone Central 2522 51 Monroe St., CHICAGO.

Orders for MINNESOTA or the North-
west will be properly executed by

AUG. S. SWANSON
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WILLIAM L. ROCK, FLORIST,

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1220 Olive Street, ST. LOUIS, MO.

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127
So. 13th Street, LINCOLN, NEB.

HUGH GRAHAM

104 So. 13th Street, Philadelphia.

I am in a position to handle any orders for Philadelphia or vicinity, either large or small; would be pleased to have correspondence with the trade in general.

Our facilities for handling orders, either for flowers or plants, are of the very best.

Mention Review when you write.

Good Fortune
is the Chum of Opportunity.

This is your chance to lay in a stock of Godfrey Aschmann's tip-top *Araucaria Excelsa*. Do it now and they will help to fill your treasure box; they will be growing into money for you while you're asleep. We are headquarters for this great favorite among decorative plants. Our houses are full of choice April importations—no seedlings—raised in Belgium from top cuttings only. Here is my very lowest quotation. Who can beat such stock as I offer for the money?

5½-in., 3 tiers, 8 to 10 in. high. \$0.50 each
5½-in., 3 to 4 " 10 to 12 "60 "
5½-in., 3 to 4 " 13 to 15 "75 "
6-in., 4 to 5 " 16 to 18 " 80c, 90c, 1.00 "

Kentia Forsteriana—4 years old, 30 to 36 in. high, 5½-in. pots, 75c to \$1.00 each.

Ficus Elastica—Imported, 4-inch pots, 25c each.

Cash with order please. Goods travel at purchaser's risk only. Please state if with or without pots.

Wanted to Buy—Boston Ferns for cash.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants,

1012 Ontario Street, PHILADELPHIA.

Mention the Review when you write.

GRAND RAPIDS VIOLET STOCK.

Imperial, M. Louise, 2½-inch pots, \$35.00 per 1000. Swanley White and Lady Campbell, 2½-in. pots, \$20.00 per 1000.

Maiden Hair Ferns 6-inch pots, 25c each. *Chrysanthemums*, write for list of varieties, 2½-inch pots, \$20.00 per 1000.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Review when you write.

Latania Borbonica.

Fine plants in 14-inch pots. Suitable for lawn decoration or large conservatory. \$15.00 each.

WM. J. YOUNG, Jr.

School Street and Pulaski Avenue, GERMANTOWN, Phila.

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It will pay you to work up a stock of

TREGO

The best Semi-double Scarlet Geranium to date. Strong, 2½-inch pots, \$8.00 per 100.

S. S. SKIDELSKY,

708 N. 16th St., PHILADELPHIA.

Mention The Review when you write

We have been well pleased with the REVIEW and enclose another dollar.—HOFFMAN BROS., Portland, Ore.

Geraniums—In bud and bloom, 4-in., \$5 per 100; Mrs. E. G. Hill, Jean Viaud, Bruant, Mme. Chevellere, Beate Poitevine. *Cannas*—Fine, large plants in 4-in. pots ready for immediate planting, \$5.00 per 100; Burbank, Elliott, Henderson, McKinley, Vaughan, Crozy, etc. *Alternantheras*—Red and Yellow, 2½-in., \$2.00 per 100. *Caladiums*—Fine plants, 3 to 10 leaves, 3-in. pots, \$5.00 per 100; 4-in., \$8.00 per 100. *Coleus*—15 varieties, \$1.75 per 100. *Boston Ferns*—6-in., 50c and 75c each; 7-in., \$1.00; 8-in., \$1.25; 9-in., \$1.50. *Roses*—2000 Brides, 2½-in. rose pots, \$3.50 per 100. Cash or C. O. D.

W. J. & M. S. VESEY, - FT. WAYNE, IND.

Mention the Review when you write.

JOHN SCOTT,

Keap St. Greenhouses, Brooklyn, N. Y.

Headquarters for BOSTONS

Fine "PIERSONI" in 2½-inch pots.

The Cottage Gardens' Collection of Cannas, Grand stock. Send for particulars.

Mention The Review when you write.

LOW PRICE! QUICK PROFIT!

The Anna Foster Fern.

Small 3 to 4 frond plants \$10 per 100, \$20 per 1000. Beautiful plants cut from bench at \$35, \$50 and \$75 per 100. Pot plants, 3-in., \$20 per 100; 6-in. \$1. 7-in. \$2. 8-in. \$3 each. 10,000 KENTIA PALMS. L. H. FOSTER, 45 King St., Dorchester, Mass.

Mention The Review when you write.

SAN FRANCISCO.

The Market.

Cooler weather is the rule in San Francisco for the past week and the usual brisk westerly winds are with us again. Flowers are plentiful enough, as business is extremely quiet. Roses are about as poor as I have ever seen them. The several weeks of exceedingly hot and dry weather we have recently passed through have left their mark on greenhouse flowers in general and roses in particular. They are all sunburned more or less, and we will have to have a new crop before we see anything up to size or color. I saw some very fine American Beauties today, however. They were from John Young's place in Berkeley. He seems to be particularly fortunate with this variety. Carnations are plentiful and cheap, but as a rule the stems are weak and the flowers off color. Sievers & Boland have the finest show I have seen recently of this popular flower and most of their stock is really good considering the off season. I paid a visit to their greenhouses recently and found everything in excellent shape. Mr. Hooper, the foreman, certainly knows a thing or two about car-

nation growing. Ferrari Brothers are cutting some good Testout and Kaiser-in roses, and with a few weeks of cooler weather the quality of roses generally will materially advance. *Lilium longiflorum* is to be had in good quantity and lily of the valley is in fair supply.

Notes.

A large and enthusiastic monthly meeting was held on July 10 by the California State Floral Society. Miss Mary Elizabeth Parsons addressed the members. Quite an exhibit of flowers was arranged.

Howard Prentice, the floral artist, of Oakland, is building a large greenhouse on his property in Alameda.

Chas. Olaine, the landscape gardener of Palo Alto, paid a visit to town this week. He says the prospects are good for plenty of planting in his locality during the coming season. G.

DENVER, COLO.

Though we had a very cool and backward spring, yet the demand for plants was much greater than last year; the florists having sold out pretty nearly everything in the plant line.

In the line of cut flowers trade held up remarkably well all through June, there being a great many weddings, though most of them did not call for very large amounts. Decoration day business far surpassed any previous season.

The Denver Floral Club has taken a recess until October 9, when they expect to start in with renewed vigor and are planning some very entertaining meetings.

I don't hear of any exhibition for Denver this fall, but undoubtedly some of the prominent florists will make exhibits at the State Fair, which is held at Pueblo. They offer some handsome premiums, it is understood.

Adam Balmer has left for Seattle.

Ernest Flohr is with Crump, of Colorado Springs.

Lyle Waterbury has returned from Georgia, where he spent the winter.

WASHINGTON.

Business in general seems to be very quiet and practically no stock to do business with. It seems that all are refilling the benches at the same time, making the supply very short. The carnations in the field are finer than they have been for several years. The season has been very favorable for them. Quite a few of the growers are going in for early planting.

From present indications Washington will be fairly represented at the S. A. F. convention at Milwaukee. All arrangements will be completed at our next club meeting. Every member is urgently requested to notify the secretary if he is going. On account of the warm evenings a very few of the bowlers showed up. Below are last week's scores:

Players—	1st.	2nd.	3rd.	Total.
George Shaffer	180	214	154	548
Wm. H. Ernest	168	195	175	538
Geo. H. Cooke	151	161	185	497
C. Wolf	184	146	136	466
McLennan	180	149	128	457
W. S. Clark	134	142	169	445
W. W. Kimmell	130	133	130	393
J. Minder	75	102	118	295

F. H. KRAMER.

BENSENVILLE, ILL.—W. F. Duntzman is busy housing his carnations. His stock is in fine shape and he hopes to have the benching completed by July 20.

CLASSIFIED PLANT ADVERTISEMENTS.

Rate for advertisements under this head, 10 cents a line net, per insertion. New advs. and changes must reach us by Wednesday morning at latest to secure proper classification in issue of Thursday.

ABUTILONS.

Abutilons in variety, 2½-in., \$2.50 100; \$20.00 1000. R. Vincent, Jr., & Son, White Marsh, Md.

ACALYPHAS.

Acalypha Macafeana, \$3.50 100. R. Vincent, Jr., & Son, White Marsh, Md.

AGERATUMS.

Ageratum, P. Pauline, strong, 2½-in., \$1.50 100. Buckley Plant Co., Springfield, Ill.

Ageratums, from 3-in. pots, \$25.00 1,000, cash. M. F. La Roche, Collingdale, Pa.

ALLAMANDAS.

Allamanda Hendersoni, fine, bushy specimen plants, 3-ft. high, from 10 to 12-in. pots, \$3.00 each; 4 for \$10.00. Cash. A bargain. J. A. COSGROVE, Madison, N. J.

ALTERNANTHERAS.

About 2,000 yellow, 500 red and 150 pink alternantheras, very large, extra well grown, \$2.00 100. W. J. Barnes, 38th and Euclid Ave., Kansas City, Mo.

Alternantheras, red and yellow, fine, bushy plants, 2½-in. pots, 75c 100; \$6.00 1000. L. D. ROBINSON, JR., Springfield, Mass.

Alternantheras, red, yellow and pink, bushy plants, \$2.00 per 100. Chas. A. Juengel, 1837 S. 14th St., St. Louis, Mo.

Alternantheras, red and yellow, 2½-in., \$2.00 100. Cash. S. M. Harbison, Danville, Ky.

Alternantheras, red and yellow, 2½-in., \$2.00 100. W. J. & M. S. Vesey, Fort Wayne, Ind.

ALYSSUM.

Dbl. Giant Alyssum, \$1.00 100. Buckley Plant Co., Springfield, Ill.

AMPELOPSIS.

Ampelopsis Veltchii from flats, ready for 2-in., \$1.00 per 100.

Robt. Bowdler, 1723 Florida Ave., N. E., Washington, D. C.

Ampelopsis Veltchii, 3-in., 5c; 4-in., 10c; 5-in., 15c. Packing free for cash.

W. H. Salter, Rochester, N. Y.

ANTHERICUMS.

Anthericum variegatum, 3-in., 75c per doz.; 4-in., \$1.00 per doz., \$8.00 100.

F. WALKER & CO., Louisville, Ky.

ARAUCARIAS.

Araucaria excelsa, raised in Belgium from top cuttings only.

	Tiers.	High.	Each.
5½-in. pots	3	8 to 10 in.	50c
5½-in. pots	3 to 4	10 to 12 in.	80c
5½-in. pots	3 to 4	13 to 15 in.	75c
6-in. pots	4 to 5 tiers	16 to 18 inches high	80c, 90c and \$1.00 each.

GODFREY ASCHMANN, 1012 Ontario St., Philadelphia, Pa.

Araucaria excelsa, 2-in. pots, 2 tiers, \$16.00 100. A. imbricata, 2½-in. pots, strong plants, \$10.00 100. F. LUDEMANN, 3041 Baker St., San Francisco, Cal.

Araucaria excelsa, from 50c upward. Fine plants. Araucaria compacta, from \$1.00 upward. Fine plants.

JOHN BADER, Troy Hill, Allegheny, Pa.

ASPARAGUS.

Asparagus plumosus nanus, from flats, \$2.00 100, \$15.00 1000; 6-in. pots, \$10.00 100. A. Sprenger, 3½-in., \$2.00 100, \$15.00 1000. Express prepaid.

CALIFORNIA CARNATION CO., Loomis, Cal.

Asparagus Sprenger, from flats, \$1.00 100, \$6.00 1000; 5000 for \$25.00; 2½-in., \$1.50 100, \$12.50 1000. A. plumosus nanus, 2½-in., \$3.00 100. S. Whitton, 15 Gray Ave., Utica, N. Y.

Asparagus plumosus nanus, out of 2½-in. pots, \$3.00 100; \$25.00 1000. Sprenger, out of 2½-in., \$2.25 100; \$20.00 1000. Cash with order.

LIVINGSTON SEED CO., Columbus, O.

Asparagus Sprenger, 2-in., \$2.00; 3½-in., \$2.50; 3-in., \$3.00 100. A. plumosus nanus from flats, \$2.00 100; \$15.00 1000. Express prepaid. Loomis Floral Co., Loomis, Cal.

Asparagus plumosus plants, 2-yrs.-old, \$5.00 100; fine for strings. Asparagus Sprenger, 2½-in. pots, extra, \$2.50 100.

JOSEPH WOOD, Spring Valley, New York.

Asparagus Sprenger, 2½-in., \$3.00; 3-in., \$4.00; 4-in., \$8.00; 5-in., \$15.00; 6-in., \$25.00 100. J. H. Bornhoeft, Tipton, Ind.

Asparagus Sprenger, very fine, 4-in. pots, \$0.00 100; 3-in., \$4.00 100; 2½-in., \$3.00 100. CRITCHELL'S, Avondale, Cincinnati, O.

Asparagus Sprenger, 2-in. pots, \$2.00 100. A. plumosus nanus, July, \$2.50 100. Cash. Jos. H. Cunningham, Delaware, Ohio.

Asparagus Sprenger seedlings, extra strong, 75c per 100; 2-in. pots, \$1.50 per 100. A. A. Harper, 1618 E. 6th Ave., Pine Bluff, Ark.

Asparagus plumosus, 2, 2½, 4 and 5-in. A. Sprenger, seedlings, 2, 3 and 4-in. Geo. A. Kuhl, Pekin, Ill.

Asparagus Sprenger, 2½-in., extra strong, \$3.00 100. Ready for 3 and 4-in. now. Geo. M. Brinkerhoff, Springfield, Ill.

Asparagus Sprenger, 2-in., \$2.00 100. A. plumosus, 2½-in., \$3.50 100. STORRS & HARRISON CO., Painesville, O.

Asparagus Sprenger and A. plumosus nanus, 2-in., \$3.00 100; \$25.00 1000. ISAAC H. MOSS, Govanstown, Baltimore, Md.

Asparagus Sprenger and plumosus, extra strong, 2-in., \$3.00 1000. C. BETSCHER, Canal Dover, O.

ASPARAGUS PLUMOSUS NANUS.

Cut strings, 50 cents each.

W. H. ELLIOTT, BRIGHTON, MASS.

Asparagus plumosus, 2½-in., \$3.50 100; \$30.00 1000. Wm. F. Kasting, Buffalo, N. Y.

Asparagus plumosus, strong, 2½-in., \$4.00 100. NATHAN SMITH & SON, Adrian, Mich.

Asparagus Sprenger, 2½-in., \$2.50 per 100. Ocala Greenhouse Co., Ocala, Fla.

2000 extra fine 3-in. smilax, \$2.50 100. N. METZ, Dayton, Ohio.

Asparagus plumosus, all sizes. A. S. MACBEAN, Lakewood, N. J.

ASTERS.

A few hundred asters, Semple's white and lavender, 30c 100. Cash. F. Griswold, Worthington, Ohio.

The Florists' Manual, by William Scott, is a whole Library on Commercial Floriculture. Send for terms on the installment plan. Florists' Pub. Co., 334 Dearborn St., Chicago.

BAY TREES.

Bay Trees. Have just received a fine lot of standards and pyramids.

F. W. O. Schmitz, Prince Bay, N. Y.

Among our specialties, bay trees, boxwood, palms, evergreens, etc.

BOBBINK & ATKINS, Rutherford, N. J.

Bay Trees. Largest stock in America. JULIUS ROEHRS, Rutherford, N. J.

BEGONIAS.

Begonia Gloire de Lorraine and Begonia Gloire de Lorraine nana compacta. Our improved variety awarded a silver medal by the Massachusetts Horticultural Society. Plants of either sort, from 2½-in. pots, \$15.00 100; \$140.00 1000. Delivery July and August. All orders east of the Mississippi River will be sent prepaid.

R. & J. Farquhar & Co., Boston, Mass.

Begonia Gloire de Lorraine, 2½-in. pots, \$15.00 per 100. Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

Begonias, in 10 var., 3½-in. pots, \$3.00 100. Rex begonias, 2½-in. pots, \$3.50 100; 3½ and 4-in. pots, \$5.00 100. Cash.

V. H. Thomas, Bx. 82, Augusta, Ky.

Begonia incarnata, 2½-in., \$4.00 100. Begonia manicata aurea, 2½-in., \$6.00 100. NATHAN SMITH & SON, Adrian, Mich.

Begonia Gloire de Lorraine, strong 2-in., July delivery, \$15.00 100, \$140.00 1000.

J. H. Rebstock, 586 Main St., Buffalo, N. Y.

Rex begonias, a number of the best varieties, 2-in., \$4.00; 2½-in., \$6.00 100.

N. O. CASWELL, Delavan, Ill.

BERRIED PLANTS.

Berried plants for Christmas now ready, from 2½-in. pots. Write

M. F. LA ROCHE, Collingdale, Pa.

BOX WOOD.

Among our specialties, boxwood, bay trees, palms, evergreens, etc.

BOBBINK & ATKINS, Rutherford, N. J.

BULBS.

Callas and Freesias. Ready for delivery during July and August. Will book your order now at the following prices: Callas, 1 to 1½-in. in dia. at \$3.00 per 100; 1½ to 2-in. in dia. at \$5.50 per 100; 2 to 2½-in. in dia. at \$7.50 per 100. Freesias, ½-in. in dia. at \$3.00 per 1000; ½-in. in dia. at \$4.25 per 1000; ¾-in. in dia. at \$7.50 per 1000. Packing free. We also offer the following palm seeds: Phoenix canariensis at \$1.00 per 1000; Phoenix reclinata at \$4.00 per 1000; Washingtonia filifera at 75c per lb. (in hull); Washingtonia robusta at \$1.00 per lb. (in hull). Cash with order from unknown parties. GERMAIN SEED & PLANT CO., Los Angeles, Cal.

Freesia bulbs, extra selected, 50c 100, \$4.00 1000; large, 35c 100, \$2.50 1000. Amaryllis Beladonna, ready to bloom, \$1.00 doz., \$8.00 100. Narcissus paper white, extra size, \$1.00 100, \$7.50 1000; large size, 75c 100, \$5.00 1000. Calla lilies, 6-in. circ., \$5.00 100, \$45.00 1000; 5-in., \$4.50 100, \$40.00 1000; 4-in., \$4.00 100, \$35.00 1000; 2½ to 3-in., \$2.50 100; \$22.50 1000. F. LUDEMANN, 3041 Baker St., San Francisco, Cal.

100,000 paper white narcissus bulbs, Calif. grown; all fine flowering bulbs. Ready for delivery from June 15 to Oct. 1, \$6.00 1000. Cash with order.

Geo. Rosmarin, 1419 Bay St., Alameda, Cal.

FREESIA BULBS, 1½-in. and up, \$3.00 per 1000; ¾ to 1½-in., \$1.25 per 1000. Prepaid. Cash with order.

COTTAGE NURSERY, San Diego, Cal.

Bulbs, Plants, Seeds, Hyacinths, Tulips, Narcissus, Lilies, etc. Special prices on application. JAMES VICK'S SONS, Rochester, N. Y.

Send for our annual trade list of bulbs, just published.

J. M. THORBURN & CO., 36 Cortlandt St., N. Y.

Send for our bulb and plant catalogue.

NANZ & NEUNER, Louisville, Ky.

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Brides	2½-inch 2.00
Brides	3-inch 2.50
Maids	2½-inch 2.00
Maids	3-inch 2.50
Meteors	3½-inch 2.50
Ivory	2½-inch 2.00
Ivory	3-inch 2.50
Golden Gate	2½-inch 2.00
Golden Gate	3-inch 2.50

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225 Maids	2½-in.
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Bride, 3-in. 4.00 35.00
Perle, 3-in. 4.00 35.00
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Violets, 30,000 Marie Louise violets at a bargain to make room quick, strong 2 to 2½-in., \$2.00 100; \$18.00 1000. Strong 3-in., \$3.00 100; \$25.00 1000. These are from prize stock, healthy and A No. 1 or your money back.
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I have the largest and healthiest stock of **PRINCESS OF WALES** violets in the country. Am booking orders now for strong young plants, at \$2.00 per 100; \$15.00 per 1000.
Wm. Sim, Cliftondale, Mass.

Violets Imperial, M. Louise, 2½-in. pots, \$25.00 1000. Swanley White, Campbell, 2½-in. pots, \$20.00 1000.
Crabb & Hunter, Grand Rapids, Mich.

MARIE LOUISE violets, 50,000 fine plants, ready to plant, \$2.00 100; \$15.00 1000. Cash. Samples for 10c.
GEO. T. SCHUNEMAN, Baldwins, L. I., N. Y.

Violets Marie Louise, strong, healthy field-grown, \$2.00 100.
GEM NURSERY, Los Gatos, Cal.

TO EXCHANGE.

To Exchange—7 cages, 3 feet square, and will give alligator and other animals to purchaser of cages, for carnation plants. Or will sell cheap for cash.
T. L. Metcalfe, Hopkinsville, Ky.

WANTED.

Wanted.—In possession of a fine tract of land, I seek contracts to grow about 40,000 to 50,000 roses. Planting time of hardy roses, November, 1903; other varieties in March and April, 1904. Our climate is one of the best in the United States for growing outdoor roses. My personal skill and knowledge, also personal supervision, will be a guarantee of well-grown plants.

Address a proposition, stating how many plants and of what class you want me to grow for you; also price you are willing to pay per 1000.
BECKER, The Florist, Columbia, S. C.

Wanted—500 healthy, well-rooted geraniums, from 2-in. pots of the following kinds: A. Ricard, Mme. Barney and S. A. Nutt.
W. T. Bell & Sons, Franklin, Pa.

Wanted—100 very young *Acacia dealbata*.
Gem Nursery, Los Gatos, Cal.

CUT FLOWER BOXES.

Hunt's **LIBERTY** Folding Boxes are **PURE WHITE**, almost waterproof and stronger than any other box on the market. Send for sample. Price no higher than the "cheap-looking" boxes usually sold.
E. H. HUNT, 76-78 Wabash Ave., Chicago.

OUT FLOWER BOXES, the best, strongest and neatest folding cut flower box made.
Livingston Seed Co., Box 104, Columbus, O.

Our box sells on its merits.
 Send for sample.
C. C. POLLWORTH CO., Milwaukee, Wis.

Star Florists' Boxes, Edwards & Docker, Co., 16 and 18 N. Fifth St., Philadelphia, Pa.

Florists' Boxes, The J. W. Sefton Mfg. Co., 241-247 S. Jefferson St., Chicago.

DECORATIVE MATERIAL.

Oldest dealer in the United States in hardy cut fancy and dagger ferns. Write for prices.
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Fancy and dagger ferns, laurel festooning, ground pine, sphagnum moss, etc.
Crowl Fern Co., Millington, Mass.

Fancy and dagger ferns, laurel festooning, leucothoe sprays, bouquet green, etc.
H. M. Robinson & Co., 11 Province St., Boston.

Leucothoe sprays, fancy ferns, green sheet moss, sphagnum moss, etc.
L. J. Kreshover, 110 W. 27th St., N. Y.

Fancy and dagger ferns, evergreens, etc. Good stock, low prices.
A. J. Fellouris, 468 Sixth Ave., New York.

Galax, ferns and leucothoe sprays are our specialties. **N. Lecakes & Co.**, 53 W. 28th St., N. Y.

For southern wild smilax write
Caldwell The Woodsman Co., Evergreen, Ala.

EVERYTHING FOR FLORISTS.

Write for quotations on your wants to
E. F. WINTERSON CO.,
 45, 47, 49 Wabash Ave., Chicago.

The **CHEAPEST** way, the **EASIEST** way, and the **BEST** way to get rid of that surplus stock is to use the **REVIEW'S** classified ads.

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Pure pulverized sheep manure and unleached hardwood ashes. Send for sample and price.
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FLORAL DESIGNS.

Wax Flowers and Wax Floral Designs.
J. Stern, 1928 Germantown Ave., Phila., Pa.

GALAX LEAVES.

Galax, bronze or green, and small green galax for violets.
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GALAX LEAVES. Bronze or green.
A. J. Fellouris, 468 Sixth Ave., New York.

GALAX LEAVES. Green or bronze.
N. Lecakes & Co., 53 W. 28th St., New York.

GALAX LEAVES. Green or bronze.
Crowl Fern Co., Millington, Mass.

GALAX LEAVES. Green or bronze.
H. M. Robinson & Co., 11 Province St., Boston.

GLASS, ETC.

We make a special greenhouse putty. Price on application. **Lord & Burnham Co.**, Irvington-on-Hudson, N. Y.

Florists' Specialties in Glass, Paint and Putty. Instructive advertising free for the asking. Write **JOHN LUCAS & CO.**, Philadelphia, Pa.

Glass (new), 75 boxes 18x20 double strength A and 30 boxes 18x24 single strength A.
F. Walker & Co., Louisville, Ky.

Glass, new, 40 boxes, 16x18 dbl. A, and 40 boxes, 16x16 dbl. A.
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Importers and jobbers of greenhouse glass.
WHEELER-STENZEL CO.,
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Greenhouse glass, paint and putty are our specialties.
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Greenhouse glass a specialty. **Sprague, Smith Co.**, 207-209 Randolph St., Chicago.

Greenhouse glass and putty a specialty.
C. S. Weber & Co., 10 Desbrosses St., N. Y.

HOSE.

Bull-dog hose, 7 ply, guaranteed; ¾-in., 16 ft.
U. Cutler Ryerson, Newark, N. J.

Good Hose, J. G. & A. Esler, Saddle River, N. J.

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Use **SULPHO-TOBACCO SOAP** and have clean healthy plants. Sample free cake if you mention *The Florists' Review*.
LARKIN SOAP CO., Buffalo, N. Y.

Tobacco dust, fresh stock, \$1.75 100 lbs. stems about 100-lb. bales, 1c per lb.
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DUNNITE, a formula for preventing and remedying **BLACK SPOT** on rose plants. Write us
Dunne & Co., 54 West 30th St., New York.

PLEASE MENTION THE REVIEW WHEN WRITING ANY OF THESE ADVERTISERS.

SURE CURE WASH for all insect life and mildew, etc., on roses, orange trees, etc. Trade pkt. by mail, 25c.

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Rose Leaf Extract of Tobacco will save you money. For free booklet write **KENTUCKY TOBACCO PRODUCT CO.**, Louisville, Ky.

Fresh tobacco stems, bales 200 to 500 lbs., 75c per 100 lbs. Freight paid.
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Tobacco stems, fresh and strong, bale of 300 lbs., \$1.50. **W. C. Beckert**, Allegheny, Pa.

NICOTICIDE kills all greenhouse pests. Sold by all seedsmen.

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TWELOW'S OLD ENGLISH GLAZING PUTTY. An old article when goods were made for quality, not cheapness. It lasts a lifetime and is the best article today for all greenhouse glazing. Makes a firm, lasting bed for glass, unaffected by heat or cold. No leaky sash-bars when this is used.

1-gallon can (16 lbs.)..... \$1.25
5-gallon can 5.90
10-gallon can 12.00
20-gallon can 23.00
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POTS.

Standard Pots. We are now ready to supply a superior quality of pots in unlimited quantities. Catalogues and price lists furnished on application.

A. H. Hews & Co., North Cambridge, Mass.

Standard Flower Pots. If your greenhouses are within 500 miles of the Capital, write us; we can save you money. **W. H. Ernest**, 28th and M Sts., N. E., Washington, D. C.

Flower Pots. Before buying write us for prices. **Geo. Keller & Son**, 361-363 Herndon St. (near Wrightwood Ave.), Chicago.

Those **RED** pots. The right kind.

C. C. POLLWORTH CO., Milwaukee, Wis.

Red pots. Write for prices and sample pot.

Colesburg Pottery Co., Colesburg, Iowa.

SPHAGNUM MOSS.

Sphagnum moss of first quality. Can ship at a moment's notice—2 bales, \$1.50; 10-bale lots, \$6.00. **Z. K. JEWETT & CO.**, Sparta, Wis.

Sphagnum moss. Write for prices on large quantities. **Crowl Fern Co.**, Millington, Mass.

Sphagnum moss, selected, 5-bbl. bale, \$2.25.
U. Cutler Ryerson, Newark, N. J.

Sphagnum moss. Write for prices.
H. M. Robinson & Co., 11 Province St., Boston.

SQUIRRELS.

Three fine **gray** squirrels, one male and two females, with wire cage, \$5.50. Are tame and can be handled.

J. N. Spanabel, East Palestine, O.

TIN FOIL.

American brand FLORIST FOIL—The standard foil of America.
John J. Crooke Co., 186 Grand St., New York.

TOOTHPICKS.

Wired toothpicks, 10,000, \$1.50; 50,000, \$6.25. Sample free. For sale by dealers.
W. J. COWEE, Berlin, N. Y.

Wired toothpicks, box of 10,000, \$1.50.
W. W. Barnard & Co., 161 Kinzie St., Chicago.

WIRE SUPPORTS.

Model Extension carnation supports and galvanized rose stakes. **Parker-Bruen Mfg. Co.**, 208 Jersey St., Harrison, N. J.

Model Extension carnation supports; also galvanized rose stakes and tying wires.
Igoe Bros., 226 North 9th St., Brooklyn, N. Y.

WIRE WORK.

We are the largest manufacturers of wire work in the west. **E. F. Winterson Co.**, 45, 47, 49 Wabash Ave., Chicago.

We are manufacturers — no middleman's profits.
C. C. POLLWORTH CO., Milwaukee, Wis.

Emil Steffens, Manufacturer of Florists' Wire Designs, 335 East 21st St., New York.

Reed & Keller, 122 W. 25th St., New York. Manufacturers of Wire Designs.

E. H. Hunt, 76-78 Wabash Ave., Chicago.

PLEASE STOP the advertisements in the REVIEW. It's all right selling what's on hand, but a fellow wants to kick himself when orders come in and he hasn't any plants left. I will have something else to offer in a few weeks.—**AUGUST FECKER**, Columbia, S. C.

TORONTO.

If we have had it cool this spring we are now making up for it. Hot weather has had its effect on cut flowers generally. Outdoor stock is coming in with a rush and indoor stuff is going off with equal celerity. Especially notable are the great quantities of sweet peas which have been on the market during the last few days. The retail men tell us that the hot weather has killed the sale of cut flowers and that they are losing more than they are selling. Even our great home-coming festival did not have the effect of pushing business very much. One of the features of the event was a floral parade in connection with the open air horse show. One of the most elaborately decorated vehicles was that put up by **W. Jay & Son**, in which great quantities of American Beauties and longiflorum lilies were used. **J. S. Simmons & Sons** captured third prize for delivery wagon turnout.

H. G. Dilleuth, manager of **Dunlop's** store, has gone back to the haunts of his childhood, near Pittsburgh, for vacation.

J. H. Dunlop has returned home after a two weeks' trip to New York and the vicinity.

The Toronto Gardeners' and Florists' Association is making preparations for entertaining their brethren when the Canadian Horticultural Association meets here. We are certain that everything that can be done will be done, so far as Toronto is concerned, to make this the greatest gathering of the Canadian craft. In fact, it is hinted that it should be as big a meeting of florists as was held here some years ago when the S. A. F. met in Toronto. **D. J.**

THE HEUCHERAS.

Heuchera sanguinea is known as one of the easiest plants to accommodate itself to the hardy border and is a most valuable florist's flower, as it may be used in many ways when cut. In this connection the following from the Gardeners' Chronicle will be of interest:

The complete revolution in floral fashions that has been experienced during the last few years has driven many growers to the verge of despair, as after years of patient labor, expended in the production of massive flowers and striking effects, fickle fashion has suddenly led the public to regard them as vulgar; and where huge flowers were in demand five years ago, the æsthetic taste that holds the sway today decrees that the subjects must be light and graceful. There are, of course, many plants that come up to the desired standard of perfection at once, but too many who have to supply a heavy demand for cut flowers for dinner tables, etc., overlook the heucheras. Being perfectly easy to manage, there need be no fear of burdening oneself with extra work, as they thrive in the front of any ordinary herbaceous border; and if protected from the encroachments of their neighbors, and given a little liquid manure when throwing up their flowers, they will never fail to please. One of the best for general purposes is **Heuchera sanguinea splendens**, a brilliant coral-scarlet variety of the common type. Other good varieties of sanguinea are **grandiflora**, a very useful form, with flowers of a crimson-scarlet, and somewhat larger than those of the other varieties; **alba**, a pure white form; and **rosea**, a variety with

flowers of a soft rose color. **Heuchera macrantha** has cream flowers borne on red stems, and is thus very effective when cut and mixed with other varieties. **H. erubescens** is an exceedingly graceful form, with white flowers pleasingly flushed with pink. **H. macrophylla** and **H. Richardsoni** are grown chiefly for their foliage; their ruddy leaves being very effective under artificial light. By crossing **sanguinea** with **Richardsoni**, a hybrid has been obtained that is useful for both flower and foliage; it is named **brizoides**. The above are all quite hardy, and increase rapidly; they are also very effective as pot plants.

PIPING.

I want to heat two houses with one boiler, using 1-inch and 2-inch pipe. How many of each will it take? The houses are 16x70 and 12x80, both under ground to the eaves, general stock in the former, carnations and lettuce in the latter. The temperature will have to be about 45 at night. **J. F. S.**

For the heating of the two houses described, if by steam, one 2-inch overhead flow and six lines of 1-inch returns will be required for the general purpose house and one 1½-inch flow and four 1-inch returns for the carnation and lettuce house. If water heat be used ten lines of 2-inch pipes will be necessary in the one house and eight lines in the other one. **HENRY W. GIBBONS.**

HEATING FIVE HOUSES.

Will you kindly tell me which system, steam or hot water, is the better to heat five greenhouses 15x55 feet, used for bedding stock? Will a return tubular boiler 10 feet long and 42 inches wide heat these houses? The houses run from southeast to northwest. How many runs of pipe will be needed? **J. C. F.**

For the heating of five greenhouses each 15x55 feet I would certainly advise low pressure steam as the best medium. The boiler mentioned will have capacity to heat these houses, with a surplus for doing more than as many again. The approximate arrangement of pipes within the houses would be one 2-inch overhead flow pipe with six lines of 1-inch pipes for returns. The definite arrangement could better be stated if a sketch of the houses showing grades of floor and arrangement of benches and paths had accompanied the inquiry.

HENRY W. GIBBONS.

DES MOINES, IA.—By the combined efforts of the downtown florists in Des Moines, the city ordinance against the use of sidewalks and alleys by fakirs, has been enforced. This spring has been our first serious experience with this kind of metropolitan airs.

EXCELSIOR, MINN.—**Mrs. N. S. Sawyer** is one woman who has developed her own private flower garden into a commercial enterprise. Without a greenhouse she is able to propagate a large number of perennials which find a ready sale, as there is no florist in the town. For the past three years the business has steadily developed until she now has about an acre of ground under cultivation. **Mr. Sawyer** is traveling salesman for a local nursery.

PLEASE MENTION THE REVIEW WHEN WRITING ANY OF THESE ADVERTISERS.

E. F. WINTERSON CO.

SUCCESSOR TO McKELLAR & WINTERSON.

SUPPLIES everything used by Florists, Nurserymen, Gardeners, Seedsmen, Cemeteries, Parks, etc.

Headquarters on CUT FLOWERS.

WRITE FOR WEEKLY PRICE LIST.

45-47-49 Wabash Avenue,

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Mention the Review when you write.

ORDER ROSES AT ONCE

Following varieties and sizes in stock:

Meteors, 2 and 2½-in.; Brides, 2, 2½ and 3-in.;
Maids, 2, 2½, and 3-in.; Kaiserins, 2, and 4-in.;
Beauties, 2 and 3-in.; Liberty, 2, 2½ and 3-in.;
Golden Gate, 2, 2½ and 3-in.; La France, 2 and
3-in.; Belle Siebrecht; Pres. Carnot, 2-in.; Ivory,
2 and 3-in.; Woottons, 2 and 3-in.

BOSTON FERN—5, 6, 7, 8 and 10-inch.

PLUMOSUS—2, 2½, 3, 4 and 5-inch.

SPRENGER SEEDLINGS—2, 3, 4 and 6-in.

WRITE

GEO. A. KUHL, PEKIN, ILL.

Mention Review when you write.

Roses=To Close

Having finished planting, we offer
the following surplus stock - **THRIFTY PLANTS**:

150 **AMERICAN BEAUTIES**, 4-inch, 8c each
300 **BRIDES** 3 " 3c "
150 **BRIDES** 2½ " 2½c "
225 **MAIDS** 2½ " 2½c "
75 **METEORS** 3 " 3c "
150 **GOLDEN GATES** 3 " 3c "

Also 2000 **GOLDEN GATES**, from 2½-in. pots,
\$2.00 per 100; \$17.50 per 1000.

WM. B. SANDS,

LAKE ROLAND, - - BALTIMORE, MD.

Mention The Review when you write.

ROSES! ROSES!

Fine, clean young stock, growing nicely, and in
prime order to plant for forcing.

Brides, Bridesmaids, Golden Gates, 100 1000
2½x3-inch.....\$3.00 \$25.00
3-inch..... 5.00 50.00
Ivory, Meteors, 2½x3-inch..... 3.00 30.00
Kaiserins, 3-inch..... 6.00

We have about 2000 fine, 3-in. **VINCAS**, elegant for
vases, or for stock next year, at \$4.00 per 100; and
nice 2½-in. ones at \$2.50; get a sample lot. **Can-**
nas—4-in., Flamingo, Henderson, Crozy, F.
Vaughan, Austria, \$5.00 per 100. Elegant 2-in.
Colens—12 choice sorts, \$1.50 per 100; \$12 per 1000.

W. H. GULLETT & SONS, - - Lincoln, Ill.

Mention the Review when you write.

Pansies The Jennings Strain.

New crop seed now ready. Large flowering,
finest colors, in great variety. By mail 3000
seed, \$1.00; ½-pkt., 50c; 1 oz., \$5.00; 2 oz., \$9.00;
3 oz., \$12.00. Separate colors in blue, black, red,
white and yellow, 50c pkt. Cash with order.

E. B. JENNINGS,

Lock Box 254. SOUTHPORT, CONN.

Grower of the Finest Pansies.

Mention Review when you write.

THE REVIEW is worth a good deal to
me; I would not know how to get along
without it.—GEO. O. KLEIN, Beards, Ky.

ROSE PLANTS

Golden Gate, 2 1-2-inch,	-	\$2.50 per 100	\$20.00 per 1000
One-year-old Liberty,	bench plants, cut down to 12 in.,	5.00 "	40.00 "
Beauty, 3-inch,	- - - -	6.00 "	50.00 "
Ivory, 2-inch,	- - - -	3.00 "	25.00 "

All stock sold under express condition that if not satisfactory it is to be returned
immediately when money will be refunded. No plants or cuttings sent by mail.

Cannot accept orders for less than 50 of a variety.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

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A Rose That Blooms Freely in Winter

The **Irish Sunrise** should be tried by every florist. It is
healthy, vigorous and attracts flower lovers by its beautiful
color, which its name best describes. Strong plants from 3-inch pots, \$9.00 per 100.

JOHN WELSH YOUNG, Germantown, Pa.

Upsal
Station
Penn. R. R.

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Bride and Maid Roses

Cut back, well ripened, bench plants, \$2.50 per 100.

Stevia—Extra strong, 2-inch, \$2.00 per 100.

JOHN BROD, - - Niles Center, Ill.

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ROSES EXTRA STRONG

American Beauty 3½ in....	\$10.00 per 100
Perle 8½ in....	8.00 per 100
Kaiserin	..... 8½ in....	8.00 per 100
Golden Gate	..... 3½ in....	8.00 per 100

H. WEBER & SONS, Oakland, Md.

ROSES! ROSES!

Brides and Maids, 3½-in., \$4.00, to close out
quick to make room for our new seedling carnations,
Flamingo, **Albatross** and **Sunbird**.

L. E. MARQUISEE, Syracuse, N. Y.

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Peacock's Dahlias

For plants, bulbs or cut blooms. Address

W. P. PEACOCK,

Dahlia Specialist. ATCO, N. J.

Surplus Stock IN ROSES.

Ready for immediate planting.

2000 Mme. Cusin.
2000 Mme. Pierpont Morgan.
2000 Meteor.
2000 Bridesmaids.
2000 Bon Silene.
1000 Isabella Sprunt.
1000 Safrano.
300 Perle.

3-inch pots, \$6.00 per 100; \$50.00 per 1000. 4-
inch pots, \$8.00 per 100; \$75.00 per 1000.

JOHN BREITMEYER'S SONS,

DETROIT, MICH.

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Zirngiebel GIANT PANSIES

Market and Fancy Strains

are the finest grade this season that we
ever sent out. when large size and colors
are wanted.

As growers, we know every strain of
note in cultivation and we can recom-
mend our pansies as unequalled.

New crop seed ready now in trade
packages of either strain, at \$1.00 each.

Denys Zirngiebel

NEEDHAM, MASS.

CLEVELAND.

The market report must of necessity be very small for the past week, as business has certainly reached the low water mark. Stock is poor and very little of it coming in, which saves lots of labor in carting it out to the dump. The past week has been very hot, and roses and carnations show the effects of it. Peas still continue altogether too plentiful.

We noticed an enterprising move on the part of the retail firm of Westman & Getz, located at 502 Euclid avenue. Their large show window was decorated with kodaks, cameras and photographers' supplies, which ought to prove a profitable side line for the dull season, as taking snap-shots seems to be a fad in Cleveland at present.

Mr. Brown, foreman for the F. R. Williams Co., is away on his vacation and expects to visit Pittsburg, Philadelphia and New York City before his return.

The Ehrbar Floral Co., 716 Lorain street, is out with a fine new horse and wagon for its cut flower delivery. It is a stunning outfit and will attract attention everywhere. E.

CROMWELL, CONN.

The past month has seen a great many changes, which is usually the case at this season of the year. The chrysanthemums have been nearly all benched and a majority of the roses have been planted. With us one house of carnations was benched the first of May and is now promising excellent returns. By early planting good flowers will be had early in the fall. Two more houses were benched the first week in July and the others will follow as soon as they can be conveniently handled. This is earlier than in former years, but conditions are different this year and warrant earlier benching. Two very fine houses of Adiantum Farleyense are bidding fair to make fine plants by fall and a large stock of small ferns is being potted off. The repairing of the entire place is under way and proves to be a big job. The rule this year is that each man shall paint his own houses.

A. N. Pierson, who, accompanied by Mrs. Pierson, has been in California for the past two months, returned recently, and the roses of Oregon he reports to be the most interesting thing that he saw from the florists' standpoint. E. G. Hill, who was in Oregon about the same time, has also made very favorable mention of them. W. R. PIERSON.

FERNS, PALMS, Asparagus, Primroses

Pteris Tremula—Short bushy stock from 2½ inch pots, \$2.50 per 100; \$20.00 per 1000.

Phoenix Canariensis Palms—Excellent values at \$1.50 and \$2.00 from 7 and 8-inch pots.

Full line of **Kentias** and **Latanias** in all sizes.

Asparagus Sprengeri—2-inch pots, \$2.00 per 100.

Asparagus Plumosus—2½-inch pots, \$3.50 per 100.

Primula Obconica—Grandiflora alba and rosea, 2-inch pots, \$2.00 per 100; 2½-inch pots, strong, \$3.00 per 100.

THE STORRS & HARRISON CO.
PAINESVILLE, OHIO.

Mention the Review when you write.

WE ARE Headquarters

...FOR...

Resurrection Plants

...AND...

CACTI.

Write us.

Address

NEWELL & AMES, Comstock, Texas.

Mention the Review when you write.

Asparagus Pl. Nanus, from flats, \$2.00 per 100 \$15 per 1000
" Sprengeri, 3½-in., 2.00 " 15 "
Mixed Ferns, 4-inch 5.00 " 40 "
Asparagus Pl. Nanus, 6-inch 10.00 "
Field-Grown Carnations—Flora Hill, Argyle, Marquis, America, \$7.00 per 100, F. O. B. Loomis.
Calla Bulbs, all sizes; **Shasta Daisy**, new crop seed; **Pansy Seed**, new crop seed. Write for prices.

Express prepaid on above except carnations.

California Carnation Co., L. Box 103. Loomis, Cal.

Mention Review when you write.

1000 Yellow Eaton!

25c each, \$2.50 per doz., \$15 per 100. Fine strong healthy plants out of 2½-inch pots...

A. N. PIERSON, - - Cromwell, Conn.
Mention Review when you write.

ORCHIDS.....

Arrived in fine condition—Cattleya Citrina, Epidendrum Nemorale, E. Vitellinum Majus, Odontoglossum Citrosimum, O. Maculatum, O. Reichenheimii, Oncidium Cavendishianum, O. Ornithorhynchum, O. tigrinum unguiculatum, O. varicosum Rogersii, Phalaenopsis Amabilis and P. Schilleriana. Write for prices.

Lager & Hurrell, Growers and Importers, Summit, N. J.
Mention Review when you write.

Asparagus Sprengeri

2-inch pots \$2.00 per 100
 2½-inch pots 2.50 "
 3-inch pots 3.00 "

Asparagus Plumosus Nanus, from flats, \$2.00 per 100; \$15.00 per 1000. We prepay express charges and guarantee satisfaction.
LOOMIS FLORAL CO., - - LOOMIS, CAL.

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Is a book that you need in your business.

If you haven't a copy already, order one now.

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LEADING NOVELTIES OF 1903.

The Best Varieties of 1902.

All the Standard Varieties.

Send in your orders for Field Plants now.

GEO. HANCOCK & SON, Grand Haven, Mich.

CARNATIONS

F. DORNER & SONS CO., LaFayette, Ind.

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Palms and Ferns!

WE HAVE A FINE LINE IN ALL SIZES.

Also ASPARAGUS and SMALL FERNS for Ferneries.

OUR STOCK WILL PLEASE YOU.

C. C. POLLWORTH CO., Milwaukee, Wis.

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"Thripscide"

(REGISTERED)

Greenhouse Fumigating Powder

Is the newest and best article on the market to-day for the complete destruction of all insects that infest Greenhouses or Conservatories, being a special boon to Rose and Beauty growers and prepared particularly for the destruction of **Greenfly** and **Thrips**. There is nothing injurious in it to plant life, even the most delicate fern. It is especially recommended for Beauties, Roses, Carnations, Chrysanthemums, Lilies, Smilax, Asparagus, Palms, Ferns, etc., and we claim that insects will be entirely eradicated when the houses are thoroughly fumigated with the powder. It is put up as follows:

1 lb. Tin Can.....\$.25
5 lb. Tin Can..... 1 00
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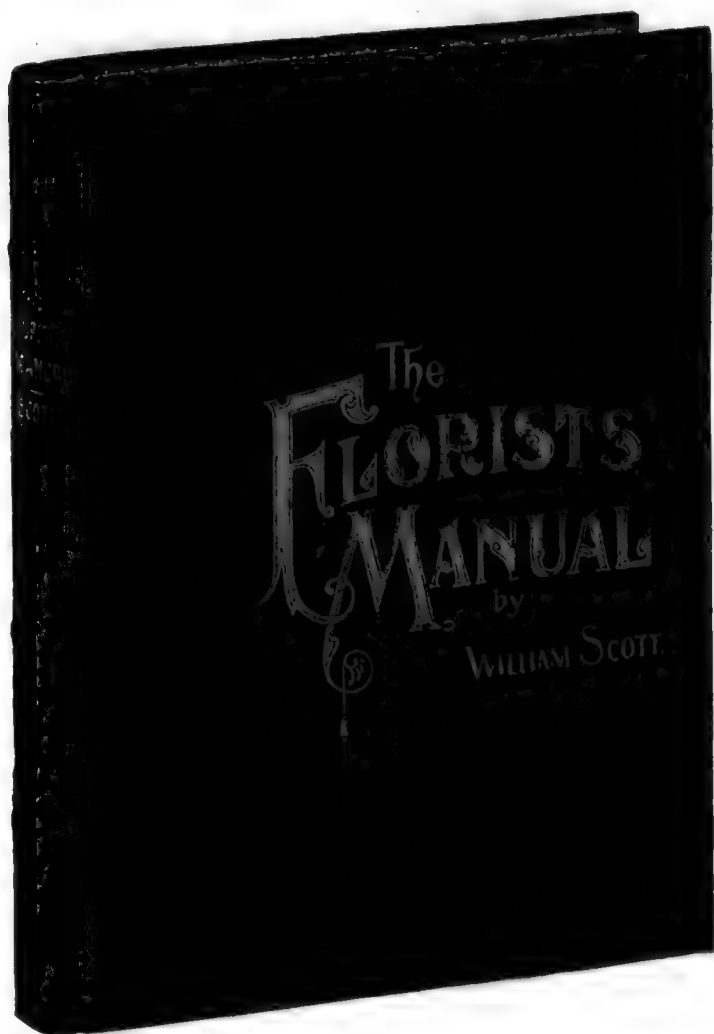
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Aristolochia	Cold-frames	Geranium	Lobelia	Potting	Vinca
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G. L. GRANT, EDITOR AND MANAGER.

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INDEX TO ADVERTISERS.

This index covers only those having displayed advertisements. There is a host of others making offers in our classified ads, and they will be found there under their proper headings.

Allen, J. K.	288	Hauswirth, P. J.	292
Amling, E. C.	283	Heacock, Jos.	300
Aschmann, Godfrey	293	Heiss, J. B.	300
Baker, W. J.	287	Herr, A. M.	287
Bail, C. D.	289	Herrmann, A.	274
Barnard & Co.	273	Hicks & Crawbuck	259
Bassett & Washburn		Hill Co., E. G.	287
	290	Hippard, E.	304
Bayersdorfer & Co.	274	Hitchings & Co.	304-6-8
Beach, D. S.	303	Holton & Hunkel Co.	291
Beckert, W. C.	285	Hunt, E. H.	290-3-3
Bencke, J. J.	292	Igoe Bros.	304
Bentley & Co.	290	Jacobs & Son.	306
Benzen Floral Co.	300	Jennings, E. B.	301
Berger, H. H. & Co.	274	J. Ineson & Stokes	287
Bernheimer, E.	287	Jurgens, Aug.	291
Berning, H. G.	291	Kasting, W. F.	273
Bonnot Bros.	288	Kellogg, Geo. M.	287
Bowe, M. A.	292	Kennicutt Bros Co.	273
Bradshaw & Hartman		Kentucky Tobacco	
	286	Product Co.	304
Brague, L. B.	291	Kramer & Son.	308
Brant & Noe	300	Kreshover, L. J.	259
Breitmeyer's Sons		Kroeschel Bros. Co.	307
	292-301	Kuehn, C. A.	291
Brod, J.	301	Kuhl, Geo. A.	300-1
Bruns, H. N.	290	Lager & Hurrell	274-3-2
Buckley Plant Co.	287	Lange, A.	292
Budlong, J. A.	286-90	Larkin Soap Co.	304
Burpee, W. Atlee &		Lecakes & Co., N.	289
Co.	285	Limbach, C.	306
Caldwell Co., W. E.	306	Livingston Seed Co.	304
Caldwell The Woods-		Loomis Floral Co.	302
man Co.	287	Lord & Burnham	308
California Carnation		Ludemann, F.	300
Co.	302	McConnell, Alex.	292
Century Flower Shop		McManus, James.	288
	292	McMorran & Co.	306
Chapin Bros.	293	Marquisee, L. E.	301
Chicago Carnation		Michigan Cut Flower	
Co.	273	Exchange	291
Clarke Bros.	292	Millang, C.	288
Clarke's Sons, David	302	Moninger Co., J. C.	307
Classified Advs.	294	Moon Co., W. H.	264
Cottage Gardens	289	Moore, Hentz & Nash	248
Cowee, W. J.	290	Mosbaek, L.	303
Crabb & Hunter	293	Moss, Isaac H.	289
Critchells	303	Muno John	290
Crowl Fern Co.	289	Murphy, Wm.	291
Crooke Co., J. J.	306	Nanz & Neuner	300
Cunningham, J. H.	300	National Florists'	
Dearborn Engraving		Board of Trade	289
Co.	289	Newell & Ames	302
Dickinson Co., Albert	286	N. Y. Cut Flower Co.	288
Dietrich, A. & Co.	307	Niessen, Leo.	287
Diller, Caskey & Co.	306	Park Floral Co.	292
Dillon, J. L.	300	Parker-Bruen Co.	307
Dillon Greenhouse		Peacock, W. P.	301
Mfg. Co.	308	Pennock, S. S.	286-87
Dorner, F. & Sons Co.		Perkins, J. J.	299
	302	Philadelphia Whole-	
Dreer, H. A.	308	sale Flower Market	
Dunn & Co., C. A.	287		289
Dunne & Co.	274	Pierce Co., F. O.	307
Eickholt, Mrs. Chas.	282	Pierson, A. N.	302
Elliott J. L.	303	Pierson Co., F. R.	273-74
Elis, F. M.	291	Pierson-Sefton Co.	308
Florists' Hall Asso.	304	Pittsburg Cut Flow-	
Foley, J. J.	289	er Co.	289
Foley Mfg. Co.	304	Plant Seed Co.	285
Foster, L. H.	293	Poehlmann Bros.	290-300
Garland, Geo. M.	308	Pollworth Co.	303
Garland, Frank.	290	Quaker City Machine	
Gasser Co., J. M.	292	Works	308
Geller, Sigmund	274	Randall, A. L.	290
Getmore Box Fac-		Rawlings, E. I.	288
tory	303	Rawson & Co.	283
Ghormley, W.	288	Rebstock, J. H.	285
Giblin & Co.	306	Reed & Keller	274
Gibbons, H. W.	308	Regan Ptg. House	303
Graham, H.	293	Reid, Edw.	287
Gude & Bro., A.	292	Reinberg, Geo.	273-90
Guillett & Sons	301	Reinberg, B.	290-301
Guttman, A. J.	289	Rice, M. & Co.	274
Hammond, J. A.	288	Riedel & Spicer	288
Hancock, Geo. & Son	302	Robinson & Co.	274

Rock, W. L.	292	Swanson, Aug. S.	297
Roehrs Julius	303	Thorburn J. M. & Co.	185
Rupp, J. F.	287	Tobacco Warehouse-	
Ryerson, U. C.	303	inx & Trading Co.	308
Salter, W. H.	287	Traendly & Schenck	289
Sampson, Wm.	289	Vesey, W. J. & M. S.	293
Sands, W. B.	301	Vincent, Jr. R. & Son	287
Schmitz F. W. O.	274	Virgin, U. J.	292
Schuneman, G. T.	300	Wagner Park Con-	
Scollay, J. A.	308	servatories	287
Scott, John	293	Weathered's Sons	306
Scott, W.	292	Weber, F. C.	292
Seattle Floral Co.	292	Weber & Sons	301
Sheridan, W. F.	288	Weiland, M.	292
Shibeley	292	Weiland & Rasch	290
Siebert, C. T.	304	Whitton, S.	303
Siebrecht & Son	292	Wiegand & Sons	292
Sievers & Boland	292	Wieler Bros.	290
Sinner Bros.	290	Winterson Co., R. F.	301
Skidelsky, S. S.	293	Wittbold Co.	292
Smith & Son, N.	300	Wilks Mfg. Co.	306
Smith Co. W. & T.	294	Young, John	288
Sprague Smith Co.	308	Young, J. W.	301
Stern & Co., J.	274	Young & Nugent	288
Stewart, S. B.	292	Young Jr., W. J.	293
Storrs & Harrison	302	Zirngelbel, D.	301
Stumpp & Walter	285	Zvolanek, A. C.	274

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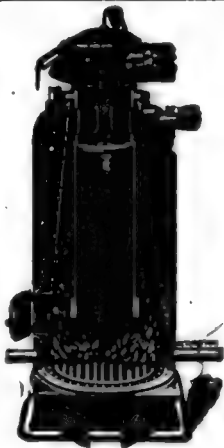
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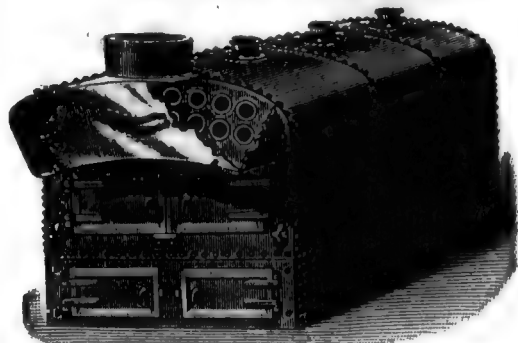
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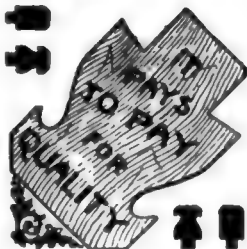
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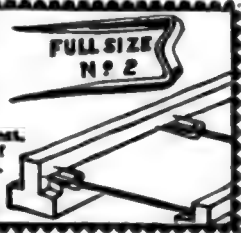
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Vol. XII.

CHICAGO AND NEW YORK, JULY 23, 1903.

No. 295.

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The true long leaf variety, stems from ½ lb. to 6 lbs. Per 100 lbs., \$7.50.

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Price—One pkt., 75c; 1 lb., \$2.50, mailed free. Not less than 75c worth will be sold. Sold only in my original packet, with directions.

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Sent carriage paid on receipt of \$3.50.

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Caxton Bldg., Chicago.

MISCELLANEOUS SEASONABLE HINTS.



The Aster Beetle.

One of the seasonable visitors of the midsummer time is the aster bug—properly, of course, beetle—but the word bug is sort of a generic name for every insect or worm that attacks the vegetable kingdom. And further, if you have a strong and active idea on any subject your friends say “You have a bug,” and if the ideas are numerous and somewhat mixed you are then “bug house,” so it's quite a word. But to the point, or rather the bug. A subscriber, H. A. C., asks “What remedy is there for destroying blister beetle, the black bug that destroys asters, etc., that can be used with no danger?” I must confess not to know the aster beetle by the prefix of blister. We have had some trouble with the beetle in former years, but this season there is a full crop and it is doing much damage, particularly on Semple's and Vick's Branching varieties. They seem to go for them in preference to Boston Market and Victoria, because they are large stemmed, meaty and juicy.

It will do no harm to repeat what all florists should know, yet a few don't, that there are chewing insects and sucking ditto, and the means to destroy each are entirely different. Any beetle or worm that chews the surface of the leaf can be easily destroyed by poison. Paris green, London purple, black death, hellebore, slug shot and perhaps many other mixtures will kill the chewers. The suckers, so called, put their beaks through the surface of the leaf and suck out the juices of the plant, as do the aphid and red spider. Poison has no effect on them, because they don't swallow any of it. Now, this aster beetle with which we have the trouble just now, seems to be half way between the two. I am open and glad to receive some expert advice relative to his extinction. Just let me say that the beetle we have is about the size of a small house fly. He flies readily when disturbed and has a little yellow spot on each wing and under a magnifying glass is most beautifully marked. Not being an entomologist, I cannot describe him further, but like the present comet, he has two tails and several delicate nose pieces and delicate hair-like appendages, doubtless most useful when diving into the stem of the aster. His attack is mostly on the leading young growth at the axil of the leaf, where he just files a hole and then bores into the stem. That's why I say that this beetle cannot be classed strictly as either a chewer or a sucker.

Within a few days we have smothered some aster plants with tobacco dust with no effect at all. Then we tried Paris green and no more beetles have been seen on the plants. We syringed and now we will give all the plants a spraying with Paris green. The principal thing to observe is to thoroughly wet the plants and not to use the solution too strong. A good sized teaspoonful of the poison to three gallons of water is strong enough. If you use it too strong you can easily

burn the aster leaves. Once more, let's hear from some large aster grower as to his method of killing this beautiful little pest.

Some Useful Plants.

Just a word about a simple little plant or two. The sweet alyssum, the double, of course, comes very useful in designs, and it is a plant that you can grow on the edge of a carnation bench without any, or very slight, detriment to the carnations. If you have any old plants in the house now, put in some cuttings in a shady, cool house and keep them well watered and you will have young plants to put on the bench by the end of August.

Don't forget some time while the weather is warm to put in cuttings of some of the more desirable kinds of alternantheras. A flat three inches deep and of convenient size, say 24x12 inches, filled with light, sandy soil, will hold a lot of them. In a shady place in warm weather they root like chickweed, and the sooner you get them in, the stronger plants they will be before cold weather comes and the better they will endure a low temperature and rough usage during winter. Leave them in the flats until next spring.

It is time to sow pansy seed for those who grow large quantities and don't protect them by sash during winter, and I must confess that the earliest and finest pansies I saw this spring, about half an acre of them, had no protection from the day the seed was sown, at the end of

and you will have fine, stout plants. It takes a little longer, but it is more economical of seed to sow thinly in drills, the drills two inches apart. I have nothing to say about the many fine strains advertised, but be sure to have plenty of purple and blue and yellow, as people ask for these in separate colors for filling vases and beds.

Poinsettias.

Keep on rooting poinsettias. The plants put in now and for the next month are just as useful as those rooted earlier. In fact, cuttings put in the last of August and early September are just the thing for pans, and it's all pans that the people want now as a Christmas plant. In rooting these, as with chrysanthemum cuttings at this season, they must be soaked twice a day in the sand if the weather is bright, and have no sun on them. With shade and water they must be kept from wilting, and there is no trouble in rooting them. If you grow poinsettias just for cutting, by all means plant them out in six inches or more of soil, either on a bench or in the ground. As I have often remarked, it's not always the low temperature that takes the leaves off this tropical plant; it's far oftener that the roots are exhausted. We had many plants in pots last December that lost their leaves in a night temperature of 60 degrees, while a lot of old plants in a solid bed kept their foliage green until February and many nights they were down to 45 degrees.

Young primroses now want the coolest and at the same time the airiest place you can give them. A shelf in a shaded house does very well, or a frame with the sash shaded and raised a few inches back and front. Try to get some real leaf mold when you shift these into 3-inch pots. It helps them very much, as it does cyclamen.

Violets.

Perhaps you haven't planted your vio-



Juneau Park, on the Lake Front, Milwaukee.

July. If sown under shaded glass or boards the bed is easily kept moist by an occasional watering, but by this method the little seedlings quickly draw up. You can sow them in the broad sun if you will be sure to keep the bed moist, and to do this a sprinkling may be necessary four or five times a day. Never let it be dry until the plants are well up

lets yet. If so, don't delay if they are in pots or flats. Those who still believe in planting them outdoors for the summer will, of course, be in no hurry for a month or two. If you plant on benches in six inches of soil, you can give them only that amount of soil, but if you have the advantage of solid beds you can give the roots more depth and they will, I

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The Aster Beetle.

One of the seasonable visitors of the midsummer time is the aster bug—properly, of course, beetle—but the word bug is sort of a generic name for every insect or worm that attacks the vegetable kingdom. And further, if you have a strong and active idea on any subject our friends say "You have a bug," and if the ideas are numerous and somewhat mixed you are then "bug house," so it's quite a word. But to the point, or rather the bug. A subscriber, H. A. C., asks: "What remedy is there for destroying aster beetle, the black bug that destroys asters, etc., that can be used with no danger?" I must confess not to know the aster beetle by the prefix of blister. We have had some trouble with the beetle in former years, but this season there is a full crop and it is doing much damage, particularly on Semple's and Vick's branching varieties. They seem to go for them in preference to Boston Market and Victoria, because they are large stemmed, meaty and juicy.

It will do no harm to repeat what all florists should know, yet a few don't, that there are chewing insects and sucking ditto, and the means to destroy each are entirely different. Any beetle or worm that chews the surface of the leaf can be easily destroyed by poison. Paris green, London purple, black death, hellebore, slug shot and perhaps many other mixtures will kill the chewers. The suckers, so called, put their beaks through the surface of the leaf and suck out the juices of the plant, as do the aphids and red spider. Poison has no effect on them, because they don't swallow any of it. Now, this aster beetle with which we have the trouble just now, seems to be half way between the two. I am open and glad to receive some expert advice relative to his extinction. Just let me say that the beetle we have is about the size of a small house fly. He flies readily when disturbed and has a little yellow spot on each wing and under a magnifying glass is most beautifully marked. Not being an entomologist, I cannot describe him further, but like the present comet, he has two tails and several delicate nose pieces and delicate hair-like appendages, doubtless most useful when biting into the stem of the aster. His attack is mostly on the leading young growth at the axil of the leaf, where he just files a hole and then bores into the vein. That's why I say that this beetle cannot be classed strictly as either a chewer or a sucker.

Within a few days we have smothered one aster plants with tobacco dust with no effect at all. Then we tried Paris green and no more beetles have been seen on the plants. We syringed and now we will give all the plants a spraying with Paris green. The principal thing to observe is to thoroughly wet the plants and not to use the solution too strong. A good sized teaspoonful of the poison to three gallons of water is strong enough. If you use it too strong you can easily

burn the aster leaves. Once more, let's hear from some large aster grower as to his method of killing this beautiful little pest.

Some Useful Plants.

Just a word about a simple little plant or two. The sweet alyssum, the double, of course, comes very useful in designs, and it is a plant that you can grow on the edge of a carnation bench without any, or very slight, detriment to the carnations. If you have any old plants in the house now, put in some cuttings in a shady, cool house and keep them well watered and you will have young plants to put on the bench by the end of August.

Don't forget some time while the weather is warm to put in cuttings of some of the more desirable kinds of alternantheras. A flat three inches deep and of convenient size, say 24x12 inches, filled with light, sandy soil, will hold a lot of them. In a shady place in warm weather they root like chickweed, and the sooner you get them in, the stronger plants they will be before cold weather comes and the better they will endure a low temperature and rough usage during winter. Leave them in the flats until next spring.

It is time to sow pansy seed for those who grow large quantities and don't protect them by sash during winter, and I must confess that the earliest and finest pansies I saw this spring, about half an acre of them, had no protection from the day the seed was sown, at the end of

and you will have fine, stout plants. It takes a little longer, but it is more economical of seed to sow thinly in drills, the drills two inches apart. I have nothing to say about the many fine strains advertised, but be sure to have plenty of purple and blue and yellow, as people ask for these in separate colors for filling vases and beds.

Poinsettias.

Keep on rooting poinsettias. The plants put in now and for the next month are just as useful as those rooted earlier. In fact, cuttings put in the last of August and early September are just the thing for pans, and it's all pans that the people want now as a Christmas plant. In rooting these, as with chrysanthemum cuttings at this season, they must be soaked twice a day in the sand if the weather is bright, and have no sun on them. With shade and water they must be kept from wilting, and there is no trouble in rooting them. If you grow poinsettias just for cutting, by all means plant them out in six inches or more of soil, either on a bench or in the ground. As I have often remarked, it's not always the low temperature that takes the leaves off this tropical plant; it's far oftener that the roots are exhausted. We had many plants in pots last December that lost their leaves in a night temperature of 60 degrees, while a lot of old plants in a solid bed kept their foliage green until February and many nights they were down to 45 degrees.

Young primroses now want the coolest and at the same time the airiest place you can give them. A shelf in a shaded house does very well, or a frame with the sash shaded and raised a few inches back and front. Try to get some real leaf mold when you shift these into 3-inch pots. It helps them very much, as it does cyclamen.

Violets.

Perhaps you haven't planted your vio-



Juneau Park, on the Lake Front, Milwaukee.

July. If sown under shaded glass or boards the bed is easily kept moist by an occasional watering, but by this method the little seedlings quickly draw up. You can sow them in the broad sun if you will be sure to keep the bed moist, and to do this a sprinkling may be necessary four or five times a day. Never let it be dry until the plants are well up

lets yet. If so, don't delay if they are in pots or flats. Those who still believe in planting them outdoors for the summer will, of course, be in no hurry for a month or two. If you plant on benches in six inches of soil, you can give them only that amount of soil, but if you have the advantage of solid beds you can give the roots more depth and they will. I

think, give you larger flowers. In addition to the six or seven inches of soil which you remove and replenish, dig down another six inches and work in a lot of well-rotted manure. The roots will go down to the cool depth and pay you for the labor. Don't use much animal manure and only that which is very well rotted in the surface soil, but use fine bone meal. We put a lot of Imperial violets out of doors in flats early in June and the almost continual showers and damp nights have given them a fine lot of spot. Those kept under glass are perfectly free from it, and so it goes. However, spot is not such a formidable enemy. They quickly recover from it; only it weakens the plant. The miserable little black aphid is the violet's greatest curse and he succumbs to the right kind of tobacco dust or the cyanide gas.

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Watering and Syringing.

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The plants should be sprayed over two or three times a day during hot weather and the paths and roof should be sprayed at the same time, to keep down the temperature. If the weather has been cloudy for several days, it will be noticed that the plants will wilt more or less when the sun comes out again. At such a time it will pay to syringe frequently, to keep the foliage from scalding until the plants are again accustomed to the bright sunlight.

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Many varieties are producing buds and these, of course, must be rubbed off. When this is done, the plant produces three or four shoots from the tip, and of these the best looking shoot may be retained, to continue on, and form the stem. The others should all be removed. It is best not to keep the shoot that comes right next to the bud, as this sometimes makes a short growth of several joints and then produces another bud. The second shoot will generally make the best stem, if retained. Do not let the superfluous shoots get too long before pinching them off and pinch them off close; then the retained shoot comes away clean and straight, and a slightly thickened joint is the only indication after the growth is completed that a bud was produced at that point.

Side shoots and suckers should be kept closely removed from the plants. It is simple work and often neglected, but it should be remembered that every superfluous shoot a plant produces means that a certain amount of energy has been diverted from its proper channel. If this work is done often it takes little time, comparatively. The suckers should be removed as one runs over the bed loosening the soil and with this, as with any other job, it pays to keep ahead of your work.

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keeps a close watch, and where a leaf is just beginning to get eaten up the young colony of caterpillars can be removed before they have scattered over the plant.

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In connection with the housing of stock, it is well to study the change which the plants must undergo in getting established in their new quarters. Plants fresh from the field where they have been subject to heavy rains, dews and more or less handling in planting have a certain raw appearance, due to the foliage lacking that bluish bloom so necessary to their perfect health.

Syringing and watering play an important part in reaching the desired end and these operations must be done intelligently and not in a careless, routine way. In syringing as a help to the establishment of plants, do not use the amount or force of water you would to dislodge red spider, but let it be in the form of a heavy mist, descending evenly over the plant. This leaves undisturbed what bloom is on the foliage and no plants are toppled over. Use no more water than is needed to give the appearance of a heavy dew having fallen. It is not the amount of water but the way it is used that produces the right effect.

The practice of watering a newly-planted bench to the point of saturation, or so that water runs through the bottom, is not to be commended any more than the shifting of plants from 2-inch to 8-inch pots. Remember the course of water when applied to soil is not only downward but by capillary attraction is carried outward in the natural direction taken by the roots. Thus it will be seen it is only the soil immediately surrounding the stem of the plant that needs to be watered, or at most a narrow furrow across the bench. As soon as signs of growth appear, the depression or furrow should be filled in with loose soil from between the rows.

In the case of varieties known to be susceptible to stem-rot during this trying period, we have found that when covering in around the plant with loose soil it is a good plan to make a furrow between the rows and water in this only until the plants are well on their way.

Weather conditions here have somewhat delayed our planting, but those housed early in July have come along nicely, especially Enchantress, which with us has taken hold of the soil very quickly after benching. Its behavior thus far has been all that we could ask, but the end is not yet.

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A little experience we had two years ago, which may be of interest to some and which may save you some time, happened about the end of our planting. The summer had been very dry, as all those in this vicinity will remember, and many delayed planting until we might have some rain to freshen up the plants, which looked wilted every day. We waited, along



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you have side or bottom ventilators, and you ought to have them in a chrysanthemum house, leave them open also. The cool night air is just what the plants love, as one can tell by the way the leaves stand out from the stem, and their crisp, leathery feel to the touch.

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with the rest, for a time, but as it did not rain one day after another, we decided to plant our carnations, rain or no rain. On the suggestion of a friend we turned the hose into the carnation path and soaked the ground until it was a wonder it did not leak through into China. After it had dried off somewhat and the plants were nice and fresh, we began digging and we had all the stock planted before we had a rain that amounted to anything. The plants took hold nicely in the houses and went right to growing and by winter you would hardly have known that the summer had been so dry.

Now the most interesting part was that a batch of Ethel Crocker that had not received the soaking along with the rest was needed to plant the last bench, and we decided to find out whether the soaking was really a help or not. We got the soil in the benches in a good moist condition and the first thing in the morning, while the plants were yet fresh, we dug enough to fill the bench. They were, of course, brought right into the cool shed and sprinkled and kept covered until they could be planted. You should have seen those plants! The way they took hold of that moist soil reminded one of a half-starved animal, and they were established in less time than those that were soaked in the field.

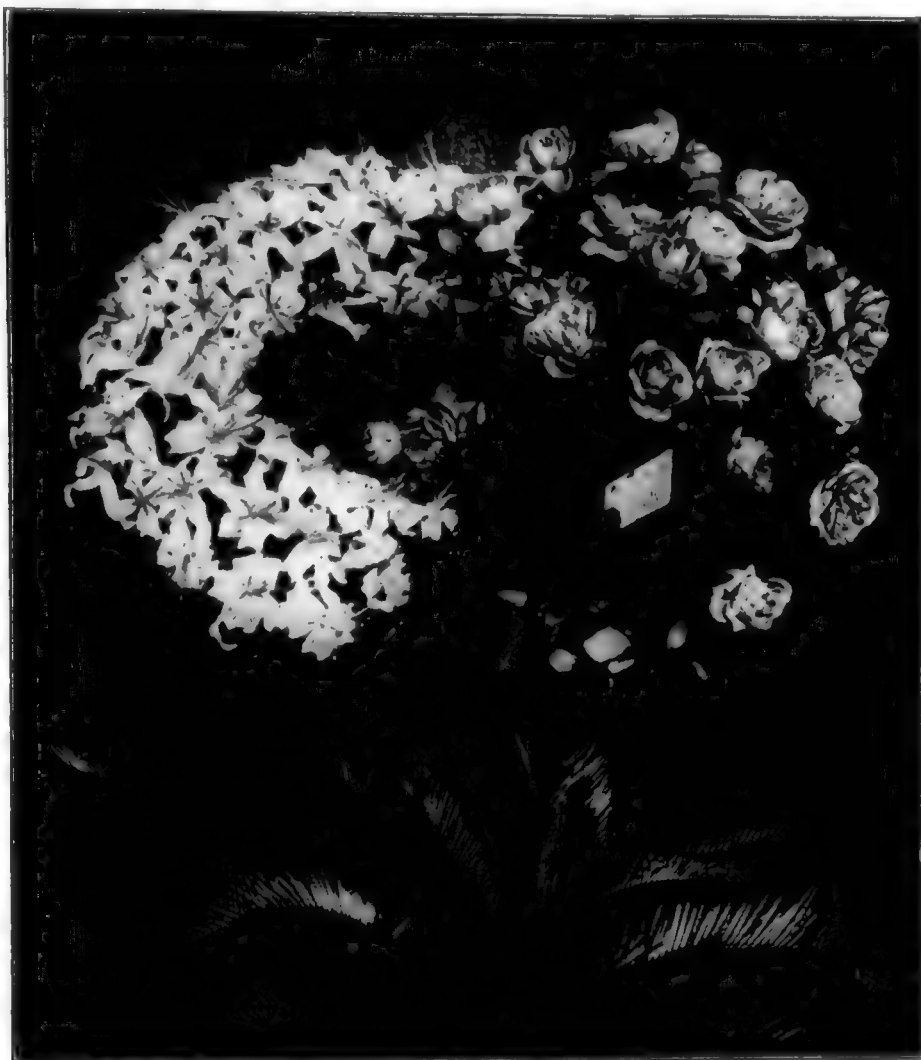
Ever since that time we have preferred a moderately dry spell just previous to digging our carnations from the field, believing that as the growth is more natural and the roots are less active there will be less wilting and consequently a quicker renewal of growth. And in case of extreme drought, instead of watering before digging, only dig in the morning before the plants show signs of wilting, or in the evening after they straighten up again. But do not dig while the plants are in a wilted condition.

I meant to say last week, but forgot it, that we prefer to mix our bone meal into the soil a few days or a week before planting, and give the bed a good watering or two before it is planted. It gives the bone a chance to become a part of the soil, and instead of causing the soil to be dry at planting time, it will be in shape for the plants to assimilate as soon as the roots are able to take up food again. We mix from 25 to 35 pounds into a bed of 500 square feet and rake it in well, after which we water and, if planting is not done within a few days, we keep the soil in a fair planting condition from that time on by watering lightly each day.

We use a line stretched lengthwise over the center of the bed to plant by, and a stick with notches cut into it to regulate the distance of the plants in the row. After we have our center row planted we use our eyes to get the others straight across the bench as well as lengthwise. A good planter needs no more, and any one who needs more than that is not a good planter, although he may be able to set the plant into the soil just as perfectly as the other. Some growers mark off the bed like a checkerboard before planting and, while that may insure straight rows if the lines are not obliterated, yet we consider it a waste of time when time is valuable.

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Much has been written about watering carnations when in the field, or rather about not watering them, as it is claimed that constant or frequent cultivation will produce good plants, even if there be a scarcity of rain. The claim is set up that watering will induce stem-rot and therefore should be avoided. I suppose it will be conceded that cultivation will not produce moisture. At best, if the cultivation be shallow enough, a layer of fine soil will be secured at the surface which will prevent rapid evaporation and so aid in conserving the moisture in the soil. It also prevents the growth of fungus at or just below the surface.

Believing, as I do, that stem-rot arises from the composition of the soil and conditions of the fertilizers used, and not from moisture, I have always watered my field carnations as I water them in the houses, when water is needed, using the hose to do it, and have never had stem-rot, either indoors or out. But I am careful not to use much manure in the field, and have the ground broken up at least seven inches deep. Shallow plowing won't do. A sprinkling of wood ashes I find is a benefit, if it be done just before cultivation. My soil is high and well drained and is rather light and inclined to be sandy. J. Y. LAMBERT.

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At this season the grower should keep a sharp lookout for thrips, so they may not secure a lodgment among the young stock. Before the plants begin to bear a crop these insects give little evidence of their presence, and it requires a sharp

and trained eye to read the signs, but as soon as the buds begin to develop, their work becomes manifest to even the most inexperienced.

While infesting all sorts and varieties of roses, thrips commit their most destructive ravages among Beauties, and to houses containing these the grower should direct his best efforts and attention.

There are many species of these pests, some of them natives, and many of them imported, and they are all inimical to rose culture under glass. They are all so nearly alike as to make it hard to distinguish them, but as their habits are so much alike, and the methods of treating them so similar, the grower does not need to spend his time in determining their identity.

Prevention being so much better than cure in this case, rigid precaution against their increase in, and in proximity to, rose houses, and their introduction into the house among such materials as soil, manure, litter, etc., should be in force the whole summer and fall. Keeping the ground near the houses and in the vicinity of soil piles clear of weeds is one of the best preventives.

If the weeds have been neglected they ought to be cut down at once and burned. It is also a good plan to burn the grass and ground herbage near the houses during a hot spell. Weeds in the houses, on the paths and underneath the benches, should be strictly looked after and destroyed, as these afford both feeding ground and shelter.

During the growing season and while we are practicing disbudding is the best time to apply the remedies, as we can use more radical measures than when we can apply with either safety or prudence after we allow a crop to come. The buds

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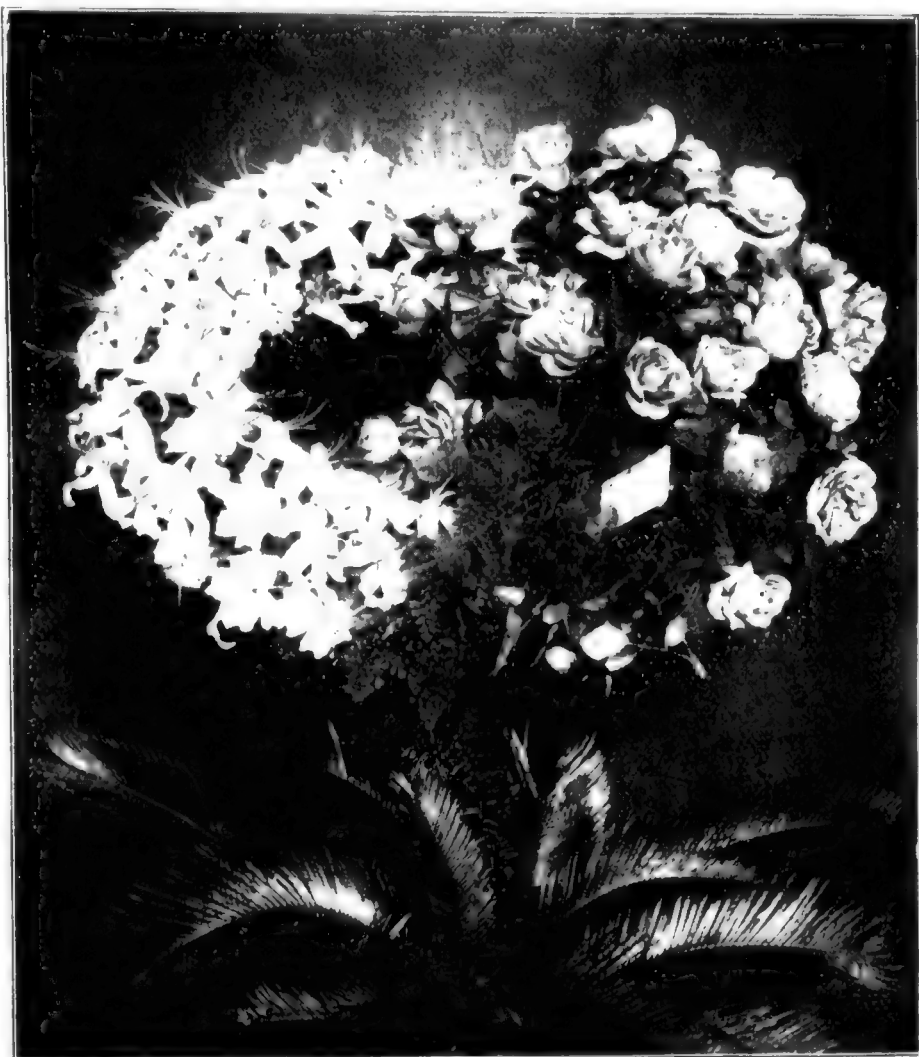
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Prevention being so much better than cure in this case, rigid precaution against their increase in, and in proximity to, rose houses, and their introduction into the house among such materials as soil, manure, litter, etc., should be in force the whole summer and fall. Keeping the ground near the houses and in the vicinity of soil piles clear of weeds is one of the best preventives.

If the weeds have been neglected they ought to be cut down at once and burned. It is also a good plan to burn the grass and ground herbage near the houses during a hot spell. Weeds in the houses, on the paths and underneath the benches, should be strictly looked after and destroyed, as these afford both feeding ground and shelter.

During the growing season and while we are practicing disbudding is the best time to apply the remedies, as we can use more radical measures than than we can apply with either safety or prudence after we allow a crop to come. The buds

and leaves taken off when disbudding should be taken out of the house and destroyed, and light and frequent fumigation put in force. This has more effect if applied during the early morning, before sunrise, as the fumes fill the house more evenly at that time than at any other. Fumigating every alternate day till we begin to take our first cut will make a sure job of this, and will in no way injure the plants. Once a week afterwards will keep the stock clean.

After crops are ready to cut the means of destroying these pests become more limited as persistent use of fumes of any kind has a deleterious effect on the color matter in the petals, bleaching them so that however fine the bud and stem may be, their value is destroyed, and consequently our most strenuous efforts should be now directed to their eradication, especially in the Beauty houses, where the ravages, if unchecked, are likely to cause a financial loss, and where the chagrin and worry consequent on their presence adds more weight to the burden which is already heavy enough.

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dry weather this is found to be an excellent provision for supplying the growing roots with moisture until a fresh supply is received from rains and until the roots penetrate deeply into the ground. In trials of this nature the bulbs should be allowed to stay in the ground as long as possible after the tops decay. They should be harvested just before growth would commence again, because interference that tends to cause premature decay near the base of the bulb provides ready means for the ingress of fungi and bacteria.

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In the north, as hard freezing weather approaches, the ground in which the bulbs are planted should have a heavy mulch of such a nature as to be easily removed in spring. The mulch will serve several purposes; it will help to keep the soil around the bulb at an equable temperature and prevent rapid thawing and freezing at and near the surface of the soil. Throughout the south, especially in the districts within the frost belt, the mulch need not be heavy, and should consist of half decayed leaves or very old manure, so that there will exist no necessity for its removal when the growths are making their way through the soil. It should not be applied too soon, as there is then a danger of the soil being kept too warm, thus encouraging the shoots to push above the soil before the advent of cold weather. In all cases a mulch should be spread over the soil during hot, dry weather.

So far as the requirements of the lilies are understood, correct conditions would not be supplied by repeated cultivation, between the rows. These conditions could be secured best by a system of mulching to keep the sun from warming the soil too much near the surface or else by the substitution of some kind of a shade crop to protect the soil from the sun's rays. This crop would, of course, have to be of such a nature as not to rob the soil of too much of the food and moisture necessary for the growth of the lilies.

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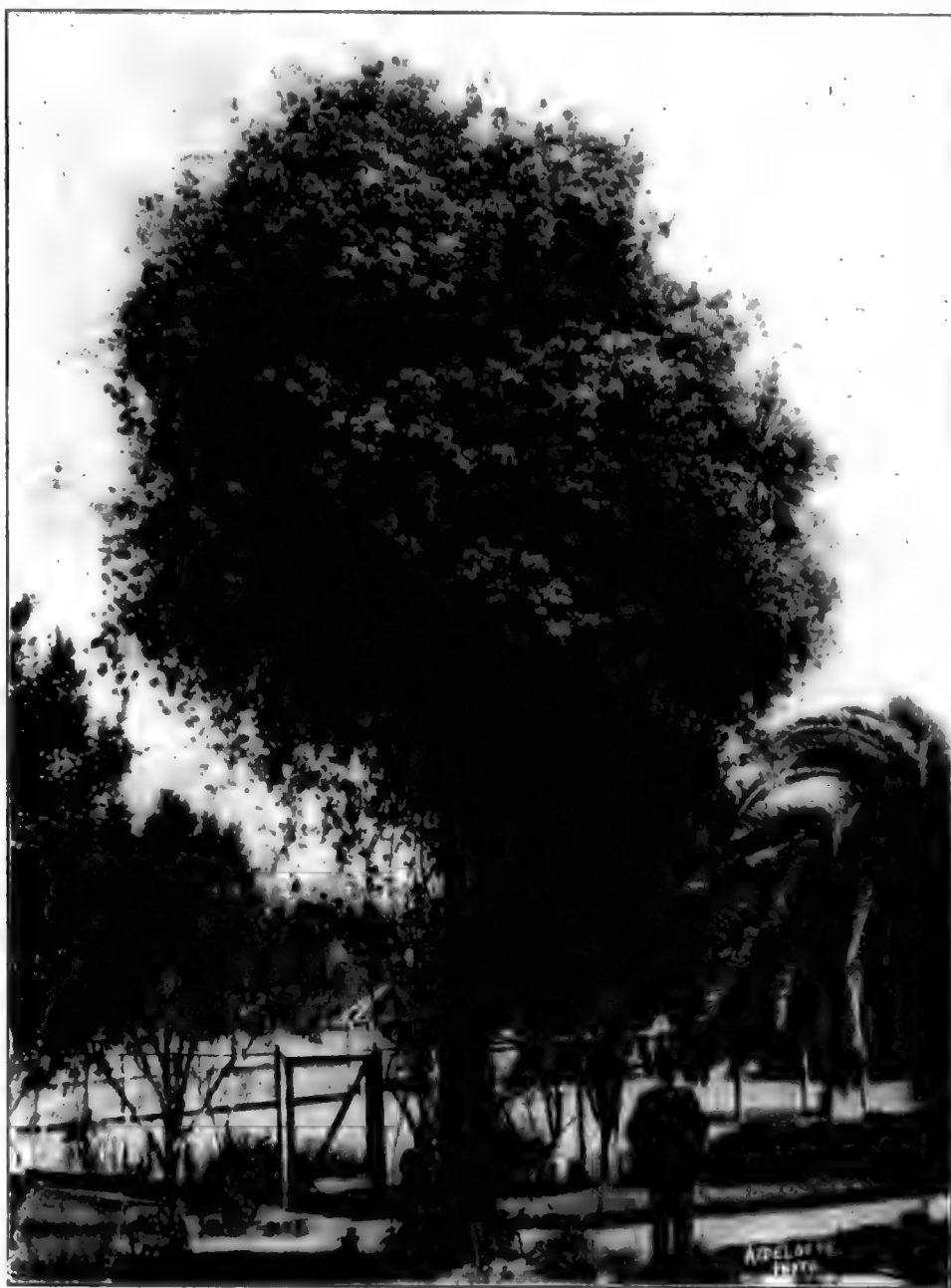
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Rose growing for market, like all other sections of commercial gardening, has undergone considerable changes during the past twenty years, and nowadays the market man watches all the new varieties as they are introduced, and any that are likely to be useful for the market are purchased in quantity; in fact, I think it would be quite safe to say they are the largest purchasers of new roses at the present time. The cultivation has also greatly improved as one result of keen competition. I remember the time when a pair of shears was quite good enough for pruning purposes, and I have also known a couple of acres operated upon with a bagging hook, but we should not meet with such cultivation now, simply because it pays to do the work better, and with greater efficiency. There is just one curious point, however, adopted in some districts that will strike the rosarian as being strange, that is, the rose pruning is carried out during the winter months, at any time when the labor can be put on to it.

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S. A. F. train stopped there on its way to the Omaha convention.

Mr. Schweitzer is in bed as the result of injuries received during the tornado, and is in need of assistance. Ready cash is what is most wanted, but clothing will be a great help, also building materials and later plants to restock the greenhouses. He is deserving of prompt and liberal assistance from all florists who know the straights they would be in were their establishments and homes wiped out without a moment's warning. To start the good work Bassett & Washburn give \$25 and some stock. Send direct to Mr. Schweitzer or in care of the REVIEW.

REMEDY FOR ANTS.

A very effective remedy for ants on lawns is to mix granulated sugar with arsenic and then with fresh bread crumbs, and sprinkle around their nests. One application is generally sufficient. Having wanted something to clean ants from lawns myself and trying a number of recipes, I submit the above for the benefit of others similarly afflicted. Mix the sugar and arsenic thoroughly first; then add the crumbs and mix again.

S. A. P.

CHANGES IN BANKRUPTCY LAW.

The bankruptcy act of 1898, establishing a uniform system of bankruptcy throughout the United States, was one of immense importance to the country's commercial interests, and of far-reaching consequences. For five years the country has been adjusting itself to the new conditions, and the act has been under the closest judicial scrutiny. Changes and corrections have been found desirable, and the past session of congress made many under the advice of experts.

The bill modifies the existing law in several important particulars, the principal one of which is a provision in regard to preferred creditors. Under the existing law those who had received payments from a person who had soon after been declared a bankrupt could not have other claims passed without surrendering the amount received. This provision was modified so as to allow the creditor to retain the money received unless the previous payment was fraudulent. This change is in conformity with a recent decision of the United States Supreme Court.

Another amendment provides four new objections to a discharge, intended to prevent persons from going through bankruptcy, the most important of which are the giving of false mercantile statement or the making of a fraudulent transfer of property. The bill also provides that it shall be an objection to a discharge if a voluntary bankrupt seeks to go through bankruptcy more than once in six years.

Another amendment provides that the appointment of a receiver for a corporation which is insolvent is an act of bankruptcy, entitling the creditors to choose their own trustee. Another important change is one which gives the federal courts concurrent jurisdiction of suits to recover property which has been fraudulently transferred.

Other amendments allow the wives of bankrupts to testify in the proceedings; provide for an increase of the fees of referees and trustees to an average of about 50 per cent over the fees allowed by the present law, and prohibit the courts from allowing greater fees than the law permits in any case, and add to the list of

debts from which a bankrupt cannot be relieved by a discharge from bankruptcy. The new list includes debts to wife and children, and alimony.

With these amendments, dictated by wise experience, it is believed that the United States has a system of bankruptcy which is most equitable, favoring neither debtor nor creditor, and is the equal if not the superior of any bankruptcy law or system in the world.

DIVISION OF PROFITS.

The writer has a party who is willing to furnish capital sufficient to put up a modern greenhouse containing about 6,000 square feet of glass. On a ten-year contract, what would be a fair and equitable basis to make a division of the profits between the capitalist and the working partner? The latter is to furnish coal, help, stock, make necessary repairs, market and sell all stock and to take entire charge of the plant. Would be glad of any suggestion on the subject from any of the readers of the REVIEW.

BUDD.

HOTELS OF MILWAUKEE.

The following downtown hotels in Milwaukee are within five or ten minutes' walk of the convention hall. Rooms for convention week may be reserved at any time:

Aberdeen Hotel, Grand Ave.—Rates, \$10 to \$14 per week, American plan.

Hotel Atlas, Third and Sycamore Sts.—Rate, \$2 per day.

Hotel Blatz, City Hall Square—Rate, \$1 per day and upward, European plan.

Globe Hotel, Wisconsin and Cass Sts.—Weekly rates; American plan, \$10 to \$15; European plan, \$5 to \$10.

Kirby House, E. Water and Mason Sts.—Rates, \$2 to \$2.50 per day.

Hotel Pfister, Wisconsin and Jefferson Sts.—Rates, American plan, \$3 to \$5 per day; European plan, \$1.50 to \$3.50 per day.

Plankinton House, Grand Ave.—Rates, American plan, \$2.50 and upward per day; European plan, \$1 and upward per day.

Republican House, Third and Cedar Sts.—Rates, American plan, \$2 to \$3 per day; European plan, \$1 and upward.

Schlitz Hotel, Grand Ave. and Third St.—Rate, European plan, \$1 per day and upward.

St. Charles Hotel, City Hall Square—Rates, per day, one person, \$2 to \$3.50; two persons, from \$4 to \$6.

NEW YORK.

Vacations in Order.

Michael Ford, of Ford Bros., is at Greenwood Lake, breathing the healthful country air. Joseph Fenrich, the firm's head salesman, leaves on Saturday for Lanesville, in the heart of the Catskills, for a two weeks' rest, and William P. Ford goes on August 6 to Barnegat Bay, near Forked River, N. J., on his annual fishing trip with the Sterling Fishing Club. James A. Hammond is occupying his cottage at Port Washington, L. I., for the summer. Hugh Nelson, foreman for J. J. Perkins, leaves the first week in August for an extended European trip.

Peter A. Downing, formerly with the Rosary and now with Thorley, will enjoy his vacation in the Adirondacks.

Miss Robbins, bookkeeper for Mr. Perkins, goes to Cape May August 1 for a month's meditation by "the salt sea waves." Julius Lang is at Livingston Manor, N. Y., with his family. Mrs. Thomas Young, Jr., left on the steamer Kaiser Wilhelm II. on Tuesday, for Baden-Baden and will be joined later by her husband in a European pleasure trip that will extend into September.

Walter Sheridan has returned from a

breathing spell in the mountains and John I. Raynor started last Saturday for his annual outing. Mr. Ghormley's lieutenants, Messrs. Coyle and Baker, are away for two weeks, and Mr. Miller, of the Noe forces, is at Pt. Jervis, N. Y. Mr. Miller, from Sheridan's, will put on his "coat of tan" during the next two weeks in Sullivan county, and Mansfield, of Madison avenue, will try to have a pleasant time for a month at Point Pleasant, N. J.

Mackintosh, the Broadway florist, is rusticated at Long Branch. Last year he saved a man from drowning as a part of his summer recreation. This year he hopes to save a lady. Sullivan county is a favorite resting place for florists. Miss Walreich, cashier for Alex. Guttman, is spending her holidays there.

Various Items.

Mr. and Mrs. Eugene Dailedouze have the sympathy of their many friends in the loss of their only daughter, whose death occurred on July 11, of scarlet fever. The young lady was only fifteen years of age and was one of the happiest and most healthful of the young people at the club's outing.

The many friends of A. H. Hews, of Boston, learn with regret of his demise. He was a man of most charming personality.

The old landmark on Broadway and Seventy-eighth street, so long occupied by David Clarke's Sons, has vanished. No vestige of the greenhouses remains. The firm is utilizing the old material in the construction of two new houses on its property at Fordham Heights and will ultimately cover a large part of the two acres there with a modern plant, the stock from which will find a ready outlet at the new store on Broadway and Seventy-fourth streets.

The projected plant and flower market is still under consideration. Last Wednesday the official board heard arguments in favor of the \$250,000 appropriation and everything indicates a favorable conclusion by "the powers that be." That every stand in the great building would be taken is a certainty, and that a completed enterprise may be announced before the snow flies is "a consummation devoutly to be wished."

The yacht races unfortunately occur the week of the convention. Some devoted water spirits cannot forego the influence and threaten to cut out the convention in their favor. The opinion of good horticultural authorities seems to favor the chances of Sir Thomas. To the speculative afar off this tip is given without authority. Ask Davy Mellis for particulars.

Convention Matters.

The desire of the St. Louis florists to entertain the S. A. F. next year will doubtless be gratified. The majority always rules, even if it be but a majority of two, as the Ashevilleans demonstrated in 1902. The desire of the practical for a convention for "business only" is natural, but the conventions are becoming more and more great reunions of old and new friends, and their real value is in the opportunities they give for recreation and rest and the inspiration that comes from the renewal of acquaintances and the business relations formed. There will be plenty of time for business at St. Louis and for the great fair also. The great west becomes more influential with every anniversary. In 1905 it will

be Portland, Oregon, with its exposition and its wonderful possibilities that will appeal to us, and a \$50 round trip fare would insure a large attendance. No one now regrets the trip to Asheville, great as was the opposition developed when the result of the vote was realized. "Famous City" folks won't be caught napping again. We all look ahead a year to our conventions and plan for them if we can, no matter where they are. This Milwaukee gathering will be a surprise to many. Its trade exhibit will certainly be "the best ever." The hotels are up to date and convenient to exhibition hall, and the majority of them most reasonable in their rates. The fare from New York, including special sleeper all the way through and return, will cost a lot under \$40 by the West Shore, which has been made the official route, and which is making special arrangements for its patrons on this occasion, including a practical chaperone who knows his business.

Preparations are going on quietly by the leading bowlers, under the coaching of Messrs. Lang and Traendly, which assures the city a creditable representation at Milwaukee. The average strength of the members has been so well demonstrated in the past that regular practice for the event is not deemed necessary.

Visitors.

Among the visitors during the past week were W. L. Rock and wife, of Kansas City; Julius Neidnagel, Jr., of Evansville, Ind.; J. K. Farquhar, of Boston; H. H. Groff, the Canadian gladiolus king, and J. L. Dillon, of Bloomsburg, Pa.

J. AUSTIN SHAW.

ST. LOUIS.

The Market.

There has not been much change in the market conditions since last report, either as regards the quality and supply of stock or the demand. We have had several good rains during the past week, which should do a world of good to outdoor stock. Funeral work has been quite plentiful all over town, but aside from this, business is reported as very dull.

Some fairly good stock in roses is in, Kaiserin and Meteor being in the best condition. Brides and Maids are the poorest, as is usual at this time of the year. Beauties from the newly planted stock are in, with short stems, though fair flowers. There are enough carnations in to supply the demand; quality only fair. White sell the best. Sweet peas are about over. Very few are coming in and the stems are short. Asters are not yet overplentiful and are not any too good in quality. White and purple sell the best, at \$1.50 per 100 for the choice. Gladioli are beginning to be more plentiful and will soon be seen in large quantities. The market is stocked with plenty of greens, such as smilax, asparagus, fancy ferns and galax, at the usual market prices.

Various Notes.

At Tower Grove Park they have a new seedling nymphaea, James Gurney, whose parents are N. O'Marana and N. Frank Trelease. It has large bronze leaves, more fringed than its parents, and large, beautiful pink flowers. Anyone who sees it can forget all the other varieties. Phil Gobel, who has charge of the pond, and James Gurney, the head of the park, are very proud of their new find. Tower

Grove Park is also the home of the grand new salvia, St. Louis, and the beautiful Stella Gurney ageratum. The park is looking better than ever. Mr. Gurney laid it out in 1863 and has been at its head ever since. He planted every tree in the park but three. If able, he will be at the convention next month to meet his many friends.

Everybody is talking picnic to-day (Monday), and if the weather is fine a record breaking crowd will be present Thursday at Priester's Park. The prizes are costly and beautiful. Among the prizes are a beautiful pearl necklace for the little girls' race, an elegant gold watch charm, set with a diamond for the single men's race, a fine ornament for the married ladies' race, and a silk umbrella for the ladies' bowling match. These are the best prizes. By the time this issue is out the St. Louis florists will be having a good time.

State Vice-President Charles Juengel, who has the transportation matter in hand, has not yet decided by which road the St. Louis contingent will travel to Milwaukee. The rate, he says, will be \$13.40 for the round trip. This is the very best that can be had, all the roads having the same rate, and it is simply a matter of choice as to roads. Mr. Juengel says it cannot be definitely stated as to how many will go until the next meeting of the club. His list to date is twenty-five, including five or six ladies, but the chances are that we will send in the neighborhood of thirty or thirty-five. The present arrangement is for the St. Louis party to leave Sunday noon, arrive in Chicago at 7:30 p. m., spend Monday with our friends in that city and travel to Milwaukee on their special.

Mr. and Mrs. Carew Sanders did not go on their western trip last week, as was stated, owing to the sudden sickness of Mrs. Sanders, but will start just as soon as Mrs. Sanders is able to travel.

F. C. Weber has been sick the past week and not able to attend to business. Fred will take a short trip to the Springs this week. He never misses a convention and hopes to attend this year.

Charles Richter, aged 92, and the oldest florist in St. Louis, who is now living out on old Morgan Ford road, is very sick and his physicians report the chances for his recovery as very slim. Mr. Richter has been on the retired list for the past thirty years.

Bowling.

The bowling club rolled its usual practice games on Monday night. Carl Beyer and Will Adels were not able to roll, owing to late business. Some good scores were made. The new set of pins made it hard to get strikes. Kuehn was high for three games and Beneke for single game. The convention team, after next week, will have an extra night for practice. The score:

Player—	1st.	2d.	3d.	T'l.	Av.
Kuehn	177	187	168	532	177
Beneke	213	164	150	527	176
Sturtz	169	187	171	527	176
Miller	147	118	155	420	140
Ellis	118	143	157	418	139
Weber, Jr.	141	114	143	398	133
Young	102	122	140	364	121

J. J. B.

BUFFALO.

The Market.

As is the case in other cities, according to reports, sweet peas have been very much overdone, and the weather being favorable to their continuous growth, there are still plenty. Gladioli

are now on the market and asters have been for the past two weeks, so there are plenty of cheap flowers. Roses, except Kaiserin, are a poor lot, and carnations have collapsed the past two weeks. There should be more of the hybrid perpetual roses grown—a good, large planting of Baroness Rothschild, Ulrich Brunner, Paul Neyron, Magna Charta, Gabriel Luizet and half a dozen others but more particularly Ulrich Brunner—and with attention to disbudding and good cultivation you could have stems two feet long of these beautiful flowers, only you must be up by 5 o'clock in the morning to cut them before King Sol's shining face has burst open their petals. Business is no quieter than we expect. The passing away of old and young friends is the cause of the heaviest part of the business.

Convention Matters.

As I did not send you any word last week, it's rather old news that our club had a rather well attended meeting. There was more than the usual interest shown in the Milwaukee convention. The route and the railroad to travel by was left to a committee of which William F. Kasting is chairman. When it comes to dealing with passenger agents it takes lots of nerve and diplomacy and our Billy is blessed with both. There is no doubt that we shall have a bowling team at the city that Schlitz made famous, and Capt. Braik will select his team. We are to have a picnic before the convention to work up enthusiasm. Mr. Keitsch and his committee have full power to select the spot, but the prevailing sentiment was that we have had enough of Grand Island for a few years. I trust the same good crowd will turn out that we saw last year. Now, boys, go to the convention. Very few of you travel. Travel is a great educator, if not the greatest. Suppose you spend your little savings on this trip, you will gain ten times the amount in your knowledge of the great country in which we live. It will widen your horoscope and you will be able to say for years afterward, "Yes, I know Milwaukee; it's a great town. I almost fancied I was in Berlin without the kaiser and the military." The sidewalks are rather high above the streets, but after you have been an hour in the company of Mr. Whitnall your perceptibility of grades and levels will have vanished, and not until you have been steadied up by the conservative influence of Mr. Polworth will you return to any criticism. I feel a sort of something that says Milwaukee will have a great convention. There are hundreds of fine men in the great states of Wisconsin, Minnesota, Illinois and Iowa who will be glad to see and welcome the men from the east and west. I have no patience with those men who will tell you they were off on a fishing excursion that week, and almost as bad are those who say they were too busy. And then again, don't say that a convention is of no use to you, that a few "run it." You have just as much opportunity to be one of the "runners" as anyone else. Its fraternal and social features are doubtless the most important and enjoyable to the great majority, and no harm if it is, but inside that it is an organization that has done much to advance our profession and guard our interests and it is our duty to be loyal to this glorious and good society of the S. A. F. & O. H.

W. S.

CHICAGO.

The Market.

Supplies of stock are at about the lowest ebb. Very few roses are coming in and the carnations are mostly thrown out preparatory to replanting. As outdoor carnations are not yet largely in evidence, and asters are only just beginning to make their presence felt, it leaves the market pretty bare. The demand is ample to take up all of the better grades of stock, but that is not necessarily saying much. Beauties are very scarce, several large growers cutting almost none at all, and what few there are would be scarcely identified were it not for the foliage. Some good Kaiserin are offered, also Meteor and some clean stock from young plants.

With the decrease in the receipts of carnations there has come a pronounced demand for white, and good prices are obtained wherever the condition of the stock will warrant. In a few days asters will be in heavily. Gladioli are selling fairly well and are not in large supply. Sweet peas are about gone and Harrisii are not so abundant as a few weeks ago. There are plenty of auratums. Galax and cycas leaves are in demand for hot weather funeral designs.

Various Notes.

Tuesday noon the wholesale district was alarmed by the heaviest hail storm in many a day, but a quick resort to the telephone served to show that no more than a light shower was falling on the big greenhouses north of town. Wienhoeber lost some glass, but no hail fell as far north as Wittbold's, and on the west and south sides the storm was within narrow limits.

Weber Bros. have Meteor roses in the house the lilies occupied until after Easter. Ernst Weber is away on a vacation.

W. J. Smyth is spending most of his time at his summer home on Lake Marie, at Antioch. He has telephone connection with the store and comes to town only once or twice a week.

Peter Reinberg recently bought forty acres of city property just west of Rose Hill and there are visions of still larger ranges of glass.

O. P. Bassett is dividing his leisure between golf and his automobile.

C. A. Samuelson is planning a fishing trip to Ludington, Mich., about convention time.

W. A. Kennedy was down from Milwaukee Monday, buying material for two carnation houses 23x256. Miss Kennedy accompanied him.

A. C. Kohlbrand, of Amling's, is fishing near Gray's Lake, Wis., and Max Ringier is at home, anticipating an important event.

J. B. Deamud is in southeastern Kansas with a party of gentlemen with whom he is interested in developing some oil property.

E. E. Pieser is taking his vacation a half day at a time this year, going home at noon and spending the pleasant hours with a book under a tree in the park. G. H. Pieser will go into the woods in northern Wisconsin in August for his annual fishing trip.

Herman Lochman, of Bassett & Washburn's force, is a son-in-law of Henry Schweitzer, of Mendota, whose place was destroyed by hail and a tornado July 17.

He visited there Sunday and says the greenhouses and residence are a wreck.

Wietor Bros. say it is a wonder the way the chrysanthemum plants and cuttings sold.

Hugh Woll has returned from two weeks spent with his parents in New York City.

Bowling.

The competition was very close and exciting at the match Tuesday night, Winterson, Hauswirth and Scott each having a chance for sixth place. The latter finally won out by a margin over Winterson of one pin in twenty games. The strain seemed to be too great for some of the old-timers, as will be noted by the score. New pins were responsible for many splits. Following is the record of the concluding series:

Player—	1st.	2d.	3d.	4th.	T'l.
Winterson	120	179	105	125	529
P. J. Hauswirth	170	146	116	140	572
G. Asmus	163	146	177	163	649
Balluff	117	123	180	171	591
Sterrett	135	136	135	129	535
F. Stollery	136	121	126	157	540
G. Stollery	162	163	184	159	668
Lambros	197	119	94	157	567
Scott	152	158	190	137	637

Following is the record for the full twenty games:

Player—	Games.	Total pins.	Av.
G. Stollery	20	3469	173
Balluff	20	3321	166
F. Stollery	20	3218	161
G. Asmus	20	3206	160
Lambros	16	2529	157
G. Scott	20	3005	150
Winterson	20	3004	150
Hauswirth	20	2975	149
Sterrett	16	2270	142

PHILADELPHIA.

The Market.

Business has slightly improved since last week. There are hardly so many flowers coming to town and the demand seems better. The stock of roses has been reinforced by some really fine young Beauties. Samuel S. Pennock is getting some good flowers on fairly long stems, from Robert Scott & Son, that bring the top price. Of the other roses, Kaiserin is the best; a few really fine flowers may be had. Carnations are becoming scarcer, really fine stock being difficult to obtain. Asters are becoming more plentiful, but as yet they are small. Leo Niessen received his first shipment of tiger lilies on Monday. Lilium auratum is in evidence. Sweet peas are on the wane. Valley is hardly up to the mark. Greens are selling slowly.

Various Notes.

Keller Brothers, of Norristown, Pa., makers of flower pots and pans, have changed their firm into a stock company, to be known as the Keller Pottery Company.

George C. Watson, seedsman, has removed from 211 to 259 S. Juniper street.

Edward Reid left this week for an extended business trip through the south and west. He will also visit his home in Dakota.

Myers & Samtman are beginning to cut a few nice Beauties from their young plants. It is understood that they do not expect to plant Queen of Edgely this season.

Miss Miles, who so ably conducts the accounts at the Flower Market, has just returned from a trip to the Delaware Water Gap.

Rain caused the postponement of the baseball game last Saturday.

The street had it that a new assistant

had just been secured at the Flower Market. This proved, however, to be a jocose way of saying that Manager Charles E. Meehan had welcomed a new arrival in his family, a little daughter born on Saturday.

F. & H. Mergenthaler have their place in unusually fine condition this season. Their Brides, Maids and Kaiserins, so successful last year, promise even better results next winter.

Wm. Graham, formerly with Hugh Graham, has purchased the seven greenhouses of Julius Reis, at Olney, and is looking for a suitable store to open for himself.

George M. Moss is in financial difficulties and his place is closed.

Bowling.

A team average of 162 pins in a series of twenty-one games rolled on seven different alleys is the proud record of the bowling team that Philadelphia will send to Milwaukee next month. The team will consist of Frank Polites, George M. Moss, S. Adelberger, Robert Kift, Walter Yates, Wm. Robertson and D. T. Connor, substitute. Eleven other players entered the competition and all of them rolled some good games. The contest was the fairest test that ingenuity could devise, but, as the schoolboy explained to his father, "Somebody has to be last," and they couldn't all be winners.

PHIL.

BLUFFTON, IND.—Myers & Co. have put in a gasoline engine to furnish water supply. They will now add one house 18x100 for vegetables. This will give them a total of 12,000 feet of glass.

CHAUTAUQUA, N. Y.—Mrs. H. D. Irwin says the season has been very satisfactory, particularly on bedding plants. On the Assembly grounds she planted three large beds of cannas from Conard & Jones. All bedding plants are looking fine, with plenty of rain since June 1.

WANT ADVERTISEMENTS.

Advertisements under this head one cent a word, cash with order. Plant advertisements NOT admitted under this head.

Every subscriber is entitled to a free situation wanted or help wanted advertisement not exceeding 35 words in any one issue during the year. If the advertisement exceeds 35 words, send at the rate of one cent for each additional word.

When answers are to be addressed in our care, add 10 cents for forwarding.

SITUATION WANTED—By competent garden-er, 15 years' experience with hardy and greenhouse plants. Address 71 Bartlett street, Roxbury, Mass.

SITUATION WANTED—At once by a florist and gardener; steady; single; Wisconsin preferred; good references. No. 140, care Florists' Review, Chicago.

SITUATION WANTED—By man well posted in seed, bulb and plant mail trade, correspondence and catalogue work. Address No. 138, care Florists' Review, Chicago.

SITUATION WANTED—Steady—By intelligent man of good habits; used to cut flowers, bedding plants, etc. Address with wages, room and board to No. 139, Florists' Review, Chicago.

SITUATION WANTED—By an American, single, strictly temperate, as manager or working foreman on up-to-date place. First-class designer and decorator; one year manager present place; at liberty Sept. 15; California position preferred; state particulars; references exchanged; understands keeping books. Address No. 136, care Florists' Review, Chicago.

WANTED—General greenhouse man; good wages to competent and willing worker Address S. Muir, 3530 Michigan Ave., Chicago.

WANTED—Good worker as assistant; general greenhouse work; \$20.00 per month, board and room to start. C. W. Keller, Woodmere, Mich.

C. E. FINLEY, JOLIET, ILL.
Mention the Review when you write.

NURSERY NEWS.

AMERICAN ASSOCIATION OF NURSERMEN.

Pres., N. W. Hale, Knoxville, Tenn.; Vice-Pres., F. A. Weber, St. Louis; Sec'y, Geo. C. Seager, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-eighth annual convention will be held at Atlanta, Ga., June, 1904.

THOMAS B. McCLUNIE, the well known landscape gardener of Hartford, Conn., died July 11, aged 77 years.

DAVID W. WRIGHT, the nurseryman, of Portland, Ind., was married to Miss Grace Sutton, at Columbus, O., July 5.

THE Association of American Cemetery superintendents will hold its seventeenth annual convention at Rochester, N. Y., September 8 to 10.

CLYDE L. LEESLEY, formerly assistant superintendent at Graceland cemetery, Chicago, is in charge of the engineering and landscape work at a new cemetery at South Elmhurst, Ill.

E. A. KANST has begun upon his thirty-first year in charge of the propagating and planting for the South Parks system at Chicago. He now has 250,000 shrub cuttings in fine condition in the nursery at Jackson Park.

TRADE AND PROSPECTS.

E. W. Kirkpatrick, McKinney, Tex., writes: "Stock and trade are rapidly increasing in the southwest. Prices are also increasing. The season is very favorable and the grades promise to be high. The outlook for trade in both fall and spring is good; both price and volume will be increased about 10 per cent."

J. G. Harrison & Sons, Berlin, Md., report: "The condition of nursery stock at this time is all that we could ask for. While we had it extremely wet in the early part of the season, later on it was dry and at this time it is quite seasonable. The stock is making most excellent growth. Our principal items planted last spring were more than three million apple grafts and probably about 200,000 apple seedlings and we have more than a million peach seedlings and a good stock of cherry, plum and quince. Our planting of Kieffer pears last spring was about 200,000, but these have not all grown; in fact, there has been considerable loss all over the country in many kinds of seedlings and grafts planted and we look for a scarcity in nursery stock in certain lines. The prospect for fall trade looks favorable, although there have not been many large orders booked as yet. The feeling seems to be fairly good all over the country, but a little unsettled."

SAN FRANCISCO.

The Market.

We have not been bothered by the heat for several weeks and the chances are that the cool weather will stay with us. Flowers are coming in much better of stem and deeper of color than we have had the privilege of seeing for some time. Roses are scarce enough and it will be a few weeks yet before we have a quantity. Carnations are good, and cheap as well. They are selling at about \$1.50 per hundred for ordinary sorts and fancy varieties sell at \$2 to \$3 per hundred. Lilium longiflorum and valley are plentiful and good. Business is quiet in all lines ex-

cept funeral work. Most of our folks with money to spare are up in the mountains or at the seashore. Quite a few florists are rustivating, also, and they have all earned a few weeks' vacation.

Various Notes.

The Pacific Coast Horticultural Society held its annual outing at San Rafael Park. While the reunion was limited to members, their families and invited guests, the attendance was large. The following constituted the committee of arrangements: Julius Eppstein, chairman; Chas. Baker, F. A. Munro, M. Borkheim and Max Eisner.

H. M. Sanborn, the well known Oakland florist, is on a two weeks' outing in the northern part of the state, accompanied by his daughter, Miss Abbie Sanborn.

F. Ludemann is at present very busy at his Milbrae nursery. He is budding about 30,000 roses for next year's trade and his stock is in splendid condition. His grounds consist of about seventy-five acres and he carries a general nursery stock.

We are to have the G. A. R. Encampment next month and this will stimulate trade in the line of decorating, but as a general thing the florists do not have any particular increase of business in the stores during any of the big reunions of which San Francisco has a goodly share.

A visit to Sutro Heights, near the Ocean Beach, shows these popular grounds in good shape. Many thousands of plants have been bedded out this season and the effect of such a quantity of blooms is very striking. J. T. Murphy is in charge and is one of the pioneer gardeners of California. He spent many years as head gardener to Senator Stanford, founder of Stanford University, at his mansion on California street.

MURPHYSBORO, ILL.—Lewis R. Allen is building a house 19x70 for roses.

EARLVILLE, ILL.—Charles Hoss, mayor of Earlville, would like to correspond with a competent, energetic young greenhouse man who would like to go into business. There is a fine opportunity to establish a profitable business here.

ST. LOUIS, Mo.—At the World's Fair work has begun on the Horticulture building. It will be finished before winter and the conservatories will be used for tender plant exhibits arriving this fall. April 30 next is the opening day of the exposition.

W. & T. SMITH COMPANY, GENEVA, N. Y.

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Seed Trade News.

AMERICAN SEED TRADE ASSOCIATION.

Pres., S. F. Willard, Wethersfield, Conn.; First Vice-Pres., J. Chas. McCullough, Cincinnati, O.; Sec'y and Treas., C. E. Kendel, Cleveland, O. The 22d annual meeting will be held at St. Louis, Mo., June, 1904.

VISITED LOUISVILLE.—John M. Clark, of the Leonard Seed Co., Chicago.

ARNOLD RINGIER, with W. W. Barnard & Co., is in Bermuda looking after lily business.

HOT weather in the California seed growing district has injured crops during the past ten days.

JESSE E. NORTHRUP, of Minneapolis, is about again, after being laid up with a ruptured blood vessel in his leg.

VISITED ST. PAUL.—Max Wilhelmi, Lawrence, Kan.; Louis Goeppinger, representing Peignaux & Lorin, Angers, France.

ORDERS for Harrisii have been booked at 20 to 25 per cent less than last year, although the crop promises to be fully that much less than a year ago. Deliveries are now at hand.

SANTA CRUZ, CAL.—E. Leedham, the bulb grower, has sold an interest in his business to Messrs. J. T. Lowry and Theo. Wust, and it will be continued as the Leedham Bulb Co. Ten acres of additional land will be secured, making sixteen acres of fine sediment soil for bulb growing. A new house 30x320 will be added to the present one, which is 28x150. The company will grow mainly daffodils, gladioli and dahlias, largely for the wholesale trade. The gladioli and dahlias now in bloom show that the collection of varieties has been most wisely made, and some of Mr. Leedham's seedlings are of really great merit.

PHILADELPHIA.—On July 18 this part of the state was visited by a very heavy down-pour of rain, accompanied by a high wind, which did great injury to the tomato and fruit crops. Corn looks as though a roller had passed over it. Many fine fields of tomatoes had the green fruit threshed from the vines. Egg plants likewise suffered. Spinach seed is not giving more than one-half the expected yield, rutabagas not more than forty per cent. We have one thing to encourage us, however, and that is the farmer and market gardener are realizing very good prices for all their produce. Tomatoes, peas and potatoes have not brought such uniformly high prices for years.

ONION CROP PROSPECTS.

The Jerome B. Rice Seed Co., Cambridge, N. Y., sends out its usual report on onion seed prospects, from which the following is summarized:

New York.—Acreage a slight increase over last year. Drought necessitated much re-seeding. Maggot doing considerable damage, but except in Orange county, where there are 1,000 acres of Red Globes, the conditions are generally rather more favorable than at this date last year.

Ohio.—Acreage considerably increased, Hardin county alone having 700 acres more than last year. Largely Yellow Globes. Some loss has occurred, but

crops looking rather better than last year at same date.

Indiana.—Total acreage about as last year, about half Red and half Yellow Globes. Considerable loss by failure to germinate, floods, wireworms, etc., and some re-seeding necessary. Many stands thin, but conditions better than a year ago.

Michigan.—Acreage reduced 25 per cent and crops hardly looking as well as at this time in 1902. Conditions in Wisconsin and Minnesota on a par with last year, at Chicago a little better, in New England not so good as a year ago.

NEBRASKA CROP REPORT.

The following is from one of the largest seed growers at Waterloo, Neb.:

The very general and unusual climatic conditions have not escaped us, and owing to the continued cold weather, excessive rains, floods, hail storms, etc., the planting season has been very unfavorable for all kinds of crops. We were unusually fortunate in arranging nice acreages, but above conditions caused a great deal of late replanting, and the limited supply of stock seed has in some instances materially reduced contracted acreages, which will necessarily create some shortages.

Both sweet and field corns are very backward and much will depend upon the character of our fall season as to the proper ripening down of crops. With favorable conditions, judging from reports received, we ought to be in fair shape on sweet corns, with the exception of Early Mammoth, Late Mammoth, and Chicago Market. The two former are partial failures and the latter variety was drowned out.

Cucumbers from present indications promise well. However, we have lost our crops of Giant Pera and Fordhook Pickle, and probably a few odd varieties will be short.

In the muskmelon line we experienced much trouble in securing a stand. The striped beetle is also causing considerable damage, and while we have some nice acreages remaining, a general shortage may be looked for. The following varieties are reported failures: Arlington Nutmeg, Columbus, Chicago Market, Delmonico, Long Island Beauty, Jersey Belle, Round Yellow cantaloupe, Surprise, Shumway's Giant, and unless we have an exceptionally fine melon season other varieties will be in short supply. A portion of our watermelon district has been hailed out. Some of the crops have been replanted later, but it is a question if they will mature merchantable seed.

Varieties of winter squash and the larger kinds of pumpkins are late and backward, and it is difficult to surmise what the outcome will be. All crops of a late character will be so largely governed by fall conditions that it is impossible to arrive at early definite conclusions.

BALTIMORE.

Storms of great violence follow each other every few days, and as a result outdoor stock does not flourish, although in the intervals there is delightful weather. There is general complaint of the poor quality of the White Cochet roses, which are the great stand-by in this section for summer use for design work. All last week, although the demand was not excessive, the supply of flowers was not equal to the requirements, which were almost exclusively for funeral purposes. The Elks are in town this week. Whether it will add anything to the volume of business remains to be seen.

Various Items.

Mary G. Vincent, the widow of Richard Vincent, Sr., an old-time florist of the eastern section of the city, and mother of Richard Vincent, Jr., the well known plant grower of White Marsh, and of Thomas Vincent, the florist on West Baltimore street, died July 18 at an advanced age.

Gilbert H. Patterson, who has been quite ill, is rapidly convalescing. He has been a pretty regular attendant at the S. A. F. conventions and, although well along in years and no longer in active business, takes a great interest in all that pertains to the trade. For many years Mr. Patterson was gardener

Stumpp & Walter Co
50 Barclay St. N. Y.

Cycas Stems.
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Greenhouse Grown Seed in trade packets of about 2000 seeds, \$1.00.

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BOSTON, MASS.**

to Johns Hopkins, whose estate is now Clifton Park and who left his millions to the university and hospital which bear his name. Mr. Patterson was celebrated for his skill in grape forcing, which in his day were a principal product on every gentleman's place where there was a glass structure. Now this culture seems almost entirely abandoned.

B.

CLEVELAND.

The market reports show about the same results as last week, the only demand being for funeral work, and not very much of that. Prices remain about the same as last reported.

J. W. Wilson has several houses planted with carnations and is pushing the work along rapidly. His plants in the field and those he has already planted are as fine as any grower could wish for. Mr. Wilson believes in early planting and it pays, judging by the quantity and quality of blooms sent in from his place.

The large brick stack of the F. R. Williams Company seems to be an attraction for lightning, as it has been struck three times within the past year, and twice last month, each time knocking off a different corner and scattering a few bricks around on the houses.

Frederick Aul reports his chrysanthemums in fine condition, and he has almost finished planting. His carnations in the field are fine.

Casper Aul is still showing the effect of his collision with the street car but thinks he will soon recover the full use of his leg. His stock looks fine, and shows his usual care.

E.

I COULD not run a greenhouse without the REVIEW.—M. H. Lewis, Strong City, Kan.

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Primula Chinese Fringed — Separate or mixed50c

Pansy Superb Mixed—Unexcelled strain, 1/4-oz., 75c... ..ounce, 5.00

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PITTSBURG.

The Market.

We are having a spell of cool, rainy weather, which has had quite an effect on the supply of stock. Business has assumed its usual summer aspect and the demand for stock is very light. The wholesale houses are receiving gladioli in large quantities, so with lilies, Beauties and asters we are able to help ourselves out very nicely. Carnations are rather scarce and poor. Roses are somewhat improved and look much better than a week ago.

The only florists who are really busy are the ones who are packing valises for their vacations. The following have already left the city: John Baldinger and Wm. Hall are at Niagara Falls. George Marshall is fishing at Conneaut, Ohio. John Bader and daughter are at Atlantic City. Christ Hansen, salesman for Wm. Lauch, is at Ocean Beach.

Notes.

The Florists' Club picnic, held July 16, was a success. The attendance was large and everybody had a good, jolly time. G. & J. W. Ludwig did nobly; they closed up their Allegheny market stand at noon, which allowed all their employees to attend the picnic.

H. L. Blind & Bros. are now cutting some good longiflorum lilies.

Last Wednesday Louis Weigen, a gardener and florist of Murray Hill avenue, had a narrow escape from burning to death. Louis had \$300 which he kept in his bureau drawer, and in saving it from the burning building he was forced to leap from a window to the ground.

Harry Dillemath, of Toronto, Ont., is visiting his parents at Bakerstown, Pa. Hoo-Hoo.

NEW BEDFORD, MASS.

We have been having all sorts of weather since last writing, but now it is all that can be desired. We get showers enough to keep everything in good shape and plenty of warm, sunny days. Business has taken a decided drop the past two weeks. There is a little funeral work once in a while, and that is about all. Sweet peas are getting scarce. They were very plentiful for about one week, A. B. Hathaway having so many that he invited children off the street to come in

FIELD-GROWN CARNATION PLANTS

It has been a good growing season and plants are in fine shape, strong and bushy.

Mrs. Thos. W. Lawson..	\$6 00	\$50 00	Chicago	\$5 00	\$40 00
Guardian Angel	4 00	35 00	Irene	4 00	35 00
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Genevieve Lord	3 00	25 00	Queen Louise	5 00	40 00
Triumph	4 00	35 00	Peru	5 00	40 00
Mrs. Higinbotham	5 00	40 00	Norway	5 00	40 00
G. H. Crane	5 00	40 00	White Cloud	5 00	40 00
Mrs. Potter Palmer	4 00	35 00	Mrs. Geo. M. Bradt	5 00	40 00

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

Cannot accept orders for less than 50 of a variety.

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and help themselves to all they wanted. He says he wishes he had them as plentiful now; it would be no trouble to sell them. Asters are beginning to show themselves, John Hennessey being the first to bring them in.

A. B. Hathaway is erecting a new house and has his chrysanthemums all benched in it. R. S. Hoxie, of Mattapoisett, one of our suburbs, is also adding one more house to his range.

S. S. Peckham, of Fairhaven, will have a float in the trades procession during the celebration of Old Home week in Fairhaven July 27.

H. V. Sowle reports business very good in his new store.

W. G. Kroeber has left us and gone in business in Danbury, Conn.

Wm. P. Pierce has moved his family to the seashore for the summer.

Mr. Zirkmann, of Sigmund Geller, G. W. Golden, of Reed & Keller, New York, and F. T. Baldwin, of Foxboro, Mass., were recent visitors.

Field-Grown Carnations

Crane, Marquis, Gov. Roosevelt, Glacier, Joost, Lorna, Morning Glory, Wolcott, Nelson, Maceo, Apollo, Crocker, Prosperity, Dorothy, Gaily, Alba, Cressbrook, Elma, first size, \$8 per 100; second size, \$5.00 per 100.

ROSE PLANTS.

200 4-inch American Beauties	\$12.00 per 100
300 4-inch Meteors	8 00 per 100
500 2½-inch Brides	8.50 per 100
250 2½-inch Balduins	5.00 per 100

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Bugnots, Giant Blotched.....	60c	4.00
Belgian Striped.....	25c	.80
Bronze varieties, very rich.....	25c	.80
Cassier's Giant Blotched.....	50c	3.50
Emperor William, ultramarine blue.....	25c	.75
Fire Dragon, orange and bronze.....	25c	.80
Havana Brown.....	25c	.75
Lord Beaconsfield, deep purple violet.....	25c	.80
Mahogany Colored.....	25c	.80
Meteor, bright yellow and brown.....	25c	.80
Peacock, ultramarine blue, claret and white.....	30c	1.00
Prince Bismarck, golden bronze.....	25c	.75

	Per 8000 seeds.	Per oz.
Rainbow or Pheasant's Eye, (quadri-color).....	25c	\$.85
Snow Queen (Candidissima) satiny white.....	25c	.75
White with Dark Eye.....	25c	.75
Yellow with Dark Eye.....	25c	.80
Pure Yellow.....	25c	.75
Improved Giant Trimardeau, mixed.....	30c	1.00
Improved Giant Trimardeau, separate colors.....	30c	1.25
Splendid Mixed German.....	25c	.75
Mme. Perrett (grown by Lucien Perrett).....	40c	3.00

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Strobilanthes Dyerianus, 75 cts. per doz.	5.00
Abutilons in var., \$20.00 per 1000.....	2.50
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Coleus, in var., \$17.50 per 1000.....	2.00
2 1/4-in. pots, per 100	
Fuchsias, in variety.....	\$2.50
Hardy English Ivy, extra strong.....	2.00
Lemon Verbena.....	2.50
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Philadelphia, July 22.

	Per doz.	Per 100
Beauties, Specials.....	\$ 2.50 to \$ 3.00	
Extra.....	1.00 to 1.50	
No. 1.....	.75	
Queen of Edgely, Specials.....	2.50 to 3.00	
Seconds.....	1.00 to 1.50	
Thirds.....	.75	
Brides and Maids, Specials.....	\$4.00 to \$6.00	
No. 2.....	2.00 to 3.00	
Golden Gates, Firsts.....	4.00 to 5.00	
Seconds.....	2.00 to 3.00	
Kaiserin, Firsts.....	6.00 to 8.00	
Seconds.....	2.00 to 4.00	
Liberty, Firsts.....	6.00 to 10.00	
Seconds.....	2.00 to 5.00	
Meteors, Firsts.....	4.00 to 6.00	
Seconds.....	2.00 to 3.00	
La France, Firsts.....	4.00 to 6.00	
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Seconds.....	2.00 to 3.00	
Carnations, Commons.....	.50 to 1.00	
Selects, all colors.....	1.50 to 2.00	
Fancy.....	3.00 to 4.00	
Adiantum Cuneatum.....	1.00	
Asparagus plumosus, Strings.....	35.00 to 50.00	
Sprenger's Sprays, per bunch, 35-50c Smilax.....	12.50 to 15.00	
Cornflower.....	.20	
Lilium Harrisii.....	8.00 to 12.50	
Lilium Auratum.....	\$2.00 per doz.	
Tiger Lilies.....	\$2.00 doz. stalks	
Lily of the Valley.....	2.00 to 5.00	
Double Petunias.....	.50 to 1.00	
Sweet Peas.....	.20 to .50	
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Daisies, Yellow.....	1.00	

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Wholesale Cut Flower Prices.

New York, July 22.

	Per 100
Beauties, Specials	\$10.00 to \$15.00
Extra	6.00 to 8.00
No. 1	2.00 to 3.00
Shorts	1.00 to 2.00
Queen of Edgley, Specials	8.00 to 15.00
Fancies	6.00 to 8.00
Seconds	2.00 to 5.00
Brides and Maids, Specials	3.00 to 4.00
Extra	2.00 to 3.00
No. 1	1.00 to 2.00
No. 2	1.00
Liberty	5.00 to 10.00
Meteor	2.00 to 4.00
Oatleyas	30.00 to 50.00
Cypripediums	12.00
Dendrobium formosum	15.00 to 25.00
Laelias	10.00 to 40.00
Carnations, Common .....	.25 to .50
Selects .....	.50 to .75
Fancies .....	.75 to 1.00
Novelties	1.00 to 1.50
Sweet Peas, per 100 bunches, \$1 to \$2	
Adiantum cuneatum .....	.50 to .75
Croweanum	1.00 to 1.50
Asparagus plumosus, Strings	25.00 to 50.00
Sprenger Sprays	1.00 to 2.00
Harrisii lilies	4.00 to 6.00
Callas	4.00 to 6.00
Valley	1.00 to 2.00
Smilax	8.00 to 12.00
Ferns, Common, per 1000, 75c.	
Fancy, per 1000, \$1.50.	

A decrease in shipments and a scarcity of
some grades of roses has caused a slight rise
in values, but so little as to be almost un-
worthy of comment. Little real improvement
is to be anticipated before the middle of Au-
gust or first of September.

Baltimore, July 22.

	Per 100
Beauties, Best Offerings	\$6.00 to \$8.00
Shorts	3.00 to 4.00
Brides and Maids, No. 1	2.00 to 3.00
Golden Gate	2.00 to 3.00
Perle	2.00 to 3.00
Carnations, Commons .....	.50 to .75
Adiantum Cuneatum	1.00
Asparagus plumosus, Sprays	1.50 to 2.00
Sprenger, Sprays	1.50 to 2.00
Smilax	10.00 to 20.00
Sweet Peas10 to .20

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Wholesale Cut Flower Prices.

Pittsburg, July 22.

	Per 100
Beauties, Specials	\$25.00 to \$30.00
Extra	15.00 to 20.00
No. 1.	6.00 to 10.00
Shorts	2.00 to 4.00
Brides and Maids, Extra	4.00 to 5.00
No. 1.	2.00 to 3.00
No. 2.	1.00
Kaiserin	2.00 to 3.00
Liberty	2.00 to 3.00
Carnations, Common .....	.50
Selects .....	.75 to 1.00
Fancies	1.25 to 1.50
Adiantum Cuneatum .....	.75 to 1.25
Asparagus plumosus, Strings	35.00 to 50.00
Sprengerii, Sprays	1.00 to 3.00
Sprengerii, Sprays	1.00 to 3.00
Asters .....	.50 to 1.00
Daisies .....	.25 to .50
Gladioli	2.00 to 6.00
Lilium Longiflorum	10.00 to 12.00
Lily of the Valley	2.00 to 4.00
Smilax	10.00 to 12.00
Sweet Peas .....	.25 to .50

Detroit, July 22.

	Per 100
Beauties, Specials	\$25.00
Extra	20.00
No. 1.	15.00
Shorts	\$5.00 to 10.00
Brides and Maids, Specials	6.00
Extra	5.00
No. 1.	4.00
No. 2.	3.00
Cusin	8.00 to 5.00
Golden Gate	8.00 to 6.00
Meteors	3.00 to 6.00
Perle	8.00 to 5.00
Cattleyas	50.00
Cypripediums	25.00
Carnations, Common	1.00 to 2.00
Adiantum Cuneatum	1.00
Asparagus plumosus, Strings	40.00 to 50.00
Sprengerii, Sprays	2.00 to 6.00
Asters	1.00 to 2.00
Gladioli	8.00 to 5.00
Lilium Auratum	4.00 to 6.00
Lily of the Valley	5.00 to 6.00
Smilax	12.50 to 15.00
Stocks	2.00 to 4.00
Sweet Peas .....	.20 to .30
Galax .....	.15
Common Ferns15

THE REVIEW is all right; here's another dollar.—W. H. FLYE, Woonsocket, R. I.

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50c per 1000. Discount on large orders. Contracts made to supply the year around. Use our Laurel Festooning for your decorations. It's the best decorating material to be found for weddings, etc.; price 4c, 5c and 6c per yd. Galax Leaves, Green or Bronze, 75c per 1000. Mosses, etc. Everything in the hardy supplies and gathered fresh daily. Send us your wants and be well satisfied.



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FLORISTS, Pittsburg, Pa.
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HARRIS M. HAYDEN, Pres.

WM. A. MOORE, Vice-Pres.

JNO. E. WALKER, Sec. and Treas.

Wholesale Cut Flower Prices.

Chicago, July 22.

	Per doz.
Beauties 24-inch stems.....	\$2.00
" 20 ".....	1.50
" 15 ".....	1.25
" 12 ".....	1.00
" Shorts.....	.75
Per 100.	
Bridesmaids, Specials.....	\$4.00 to \$5.00
" Firsts.....	2.00 to 3.00
" Seconds.....	1.00
Brides, Specials.....	4.00 to 5.00
" Firsts.....	2.00 to 3.00
" Seconds.....	1.00
Kaiserin.....	4.00 to 8.00
LaFrance.....	4.00 to 6.00
Liberty, Specials.....	8.00 to 10.00
" Firsts.....	6.00 to 8.00
" Seconds.....	3.00 to 5.00
Golden Gate, Firsts.....	4.00 to 5.00
" Seconds.....	2.00 to 3.00
Meteor, Firsts.....	4.00 to 5.00
" Seconds.....	2.00 to 3.00
Mme. Chateaufort, Firsts.....	6.00 to 8.00
" Seconds.....	3.00 to 5.00
Ivory, Firsts.....	4.00 to 5.00
" Seconds.....	2.00 to 3.00
Perles, Firsts.....	4.00 to 5.00
" Seconds.....	2.00 to 3.00
Carnations, Fancy.....	2.00
" Commons.....	1.00 to 1.50
Gladioli.....	3.00 to 5.00
Asters.....	1.00 to 2.00
Water Lilies.....	1.00
Sweet Peas.....	.20 to .40
Auratum Lilies.....	\$1.25 to \$1.50 doz
Valley.....	8.00 to 5.00
Harrisii Lilies.....	8.00 to 10.00
Marguerites.....	.40 to .50
Aspidistra cuneatum.....	.75 to 1.00
Asparagus plumosus, Strings.....	25.00 to 50.00
" Sprays.....	2.00 to 3.00
Asparagus Sprengeri, Sprays.....	2.00 to 5.00
Smilax.....	\$1.25 per doz.
Common ferns, per 1000, \$100.	
Galax Leaves, \$1.50 per 1000	

Milwaukee, July 22.

	Per 100
Beauties, Extra.....	\$15.00
" No. 1.....	\$10.00 to 12.50
" Shorts.....	4.00 to 6.00
Brides and Maids, Specials.....	6.00
" Extra.....	4.00
" No. 1.....	3.00
" No. 2.....	2.00
Golden Gates.....	4.00 to 6.00
Kaiserin.....	4.00 to 6.00
Liberty.....	4.00 to 6.00
Meteor.....	4.00 to 6.00
Perle.....	2.00 to 4.00
Carnations, Selects.....	1.00
" Fancy.....	1.50
Asparagus plumosus, Strings.....	50.00
" Sprays.....	2.00 to 4.00
" Sprengeri.....	2.00 to 4.00
Daisies.....	.50
Gladioli.....	4.00
Lilium Auratum.....	12.50
" Speciosum.....	4.00
" Harrisii.....	8.00
Smilax.....	12.50
Sweet Peas.....	.15
Common Ferns.....	.20

KANSAS CITY, Mo.—Samuel Murray says trade was never better at this season of the year. He is feeling fine.

RUTHERFORD, N. J.—Bobbink & Atkins have mailed their new fall catalogue and report prospects bright for a big season's business.

OMAHA, NEB.—L. Henderson, secretary, has mailed to all in the trade invitations to the annual picnic of the Nebraska Florists' Society, to be held at Courtland Beach, July 23.

TACONY, PA.—Isaac Layer warns florists not to employ a man by the name of Thomas Weiser, a German, speaking good English; 5 feet 6 inches in height; stoop-shouldered; dark complexioned; 45 years of age; baldheaded; mole under right eye; draws his words in talking; has worked in Camden, N. J., Olney and Ridley Park, Delaware county; last employed by Isaac Layer, Tacony, Philadelphia. During absence of family July 5 he ransacked the house, taking jewelry and money valued at \$135.

E. H. HUNT

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Hunt's Flowers Go Everywhere.

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Carnations
A Specialty.....WHOLESALE
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Growers of.. Cut FlowersAll telegraph and telephone orders
given prompt attention.

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and Dealers in

Cut Flowers.

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Growers' Co. Central 3067.
All telephone and telegraph orders
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Grower of Cut Flowers,Special attention
given to Hardy Out FERNs.55-57 Wabash Avenue, CHICAGO, ILL.
Telephone Central 3284.

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GEORGE REINBERG,

51 Wabash Ave., Chicago,

WHOLESALE DEALER IN AND
.....GROWER OF CUT FLOWERSTwo Daily Shipments from my greenhouses.
Fresh Stock always ready for orders.
Write, Wire or Phone. Quick Service Given.

Lily of the Valley

H. N. BRUNS,

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WHOLESALE FLORISTS AND CUT FLOWER COMMISSION.

Full line of FLORISTS' SUPPLIES and SUNDRIES.

WM. DILGER,

Manager.

COMMON FERNS, \$1.50 per 1000.
GALAX, Bronze or Green, 1.00

51 Miami Ave., Detroit, Mich.

Wholesale Cut Flower Prices.

St. Louis, July 22.

	Per doz.
Beauties, Specials.....	\$2.00 to \$3.00
Extra.....	1.00 to 1.50
No. 1.....	.50 to .75
Brides and Maids, Specials.....	\$4.00 to \$5.00
Extra.....	2.00 to 3.00
Carnot.....	4.00 to 5.00
Golden Gates.....	3.00 to 4.00
Kaiserin.....	3.00 to 4.00
Liberty.....	3.00 to 4.00
Meteor.....	3.00 to 4.00
Perle.....	2.00 to 3.00
Carnations, Commons.....	.75 to 1.00
Selects.....	1.00 to 1.50
Fancies.....	1.50 to 2.00
Adiantum Cuneatum.....	1.00 to 1.25
Adiantum Farleyense.....	1.00 to 1.25
Asparagus plumosus, Strings.....	35.00 to 50.00
Sprengerl, Sprays.....	1.00 to 1.50
Sprengerl.....	1.00 to 1.50
Asters.....	1.00 to 1.50
Gladioli.....	3.00 to 4.00
Hollyhocks.....	.50 to .75
Lily of the Valley.....	3.00 to 4.00
Smilax.....	12.50 to 15.00
Stocks.....	1.00 to 1.50
Sweet Peas.....	.15 to .25
Tuberones.....	3.00 to 4.00
Galax.....	.15
Common Ferns.....	.20

Cincinnati, July 22.

	Per 100
Beauties, Specials.....	\$25.00
Extra.....	\$15.00 to 20.00
No. 1.....	8.00 to 12.50
Shorts.....	3.00 to 6.00
Brides and Maids, extra.....	4.00 to 5.00
No. 1.....	3.00
No. 2.....	2.00
Golden Gates.....	2.00 to 5.00
Kaiserin.....	2.00 to 6.00
Meteor.....	2.00 to 4.00
Perle.....	2.00 to 3.00
Carnations, Commons.....	.50 to 1.00
Selects.....	1.50 to 2.00
Fancies.....	2.50 to 3.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, Strings.....	35.00 to 50.00
Sprengerl, Sprays.....	2.00 to 3.00
Daisies.....	.25 to .50
Gladioli.....	2.00 to 5.00
Lilium Longiflorum.....	8.00 to 10.00
Lily of the Valley.....	2.00 to 4.00
Smilax.....	10.00 to 15.00
Stocks.....	2.00 to 4.00
Sweet Peas.....	.15 to .35
Galax.....	.15
Leucothoe.....	.50
Common Ferns.....	.25

WHITEHALL, MICH.—Thomas Denham has sold out to Kenyon Bros. and is spending the summer in Canada.

KENDALLVILLE, IND.—The Lake Shore R. R. has what is known as the "florist's train," which recently made a trip over the road, planting station grounds.

LOCKPORT, N. Y.—C. L. Dole is adding several new houses to his present range. The heating will be done by low pressure steam from plans furnished by Henry W. Gibbons, Miami, Fla.

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.
Manufacturers of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

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Seedsmen and Wholesale Florists.
Consignments solicited. Special attention given to shipping orders.
316 Walnut Street, CINCINNATI, OHIO.
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Lily of the Valley

of good quality always on hand.
AUGUST JURGENS,
134 to 144 Herndon St. CHICAGO.
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Our Illustrated and Descriptive Price List of FOREIGN and DOMESTIC Bulbs, Plants, Seeds, Shrubs, Fruit and Ornamental Trees, Grape-vines, etc., all for Spring planting, will be mailed FREE to all. Address, HANZ & NEUNER, Louisville, Ky.

Mention Review when you write.

Wholesale Cut Flower Prices.

Boston, July 22.

	Per 100.
Beauties, Specials.....	\$20.00
Extra.....	\$10.00 to 15.00
No. 1.....	6.00 to 8.00
Shorts.....	2.00 to 4.00
Brides and Bridesmaids, Specials.....	8.00
Extra.....	3.00 to 6.00
No. 1.....	1.00 to 2.00
No. 2.....	.50 to 1.00
Carnot.....	4.00 to 10.00
Kaiserin.....	2.00 to 10.00
Liberty.....	2.00 to 16.00
Mrs. Morgan.....	2.00 to 6.00
Carnations, Common.....	.25 to .50
Selects.....	1.00
Fancies.....	2.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, Strings.....	50.00
Sprengerl, Sprays.....	1.00 to 2.00
Sprengerl.....	1.00 to 4.00
Gladioli.....	8.00 to 6.00
Lily of the Valley.....	8.00 to 5.00
Mignonette, Ordinary.....	1.00
Smilax.....	12.00
Sweet Peas.....	.15
Galax.....	.15
Common Ferns.....	.15

Buffalo, July 22.

	Per 100
Beauties, Specials.....	\$20.00 to \$25.00
Extra.....	10.00 to 15.00
No. 1.....	5.00 to 8.00
Shorts.....	1.00 to 3.00
Brides and Maids, Extra.....	6.00
No. 1.....	4.00 to 5.00
No. 2.....	1.00 to 2.00
Carnot.....	2.00 to 6.00
Cusin.....	1.00 to 4.00
Golden Gate.....	1.00 to 5.00
Kaiserin.....	2.00 to 6.00
Liberty.....	2.00 to 8.00
Meteor.....	1.00 to 6.00
Mrs. Morgan.....	1.00 to 5.00
Perle.....	2.00 to 5.00
Sunrise.....	1.00 to 3.00
Carnations, Selects.....	1.00 to 2.00
Adiantum Cuneatum.....	.50 to 1.00
Farleyense.....	8.00 to 10.00
Asparagus plumosus, Strings.....	40.00 to 50.00
Sprengerl, Sprays.....	1.00 to 2.00
Sprengerl.....	1.00 to 3.00
Asters.....	1.00 to 1.50
Gladioli.....	4.00 to 6.00
Lilium Harrisi.....	15.00
Longiflorum.....	15.00
Lily of the Valley.....	2.00 to 4.00
Smilax.....	10.00 to 15.00
Sweet Peas.....	.10 to .25
Water Lilies.....	.50 to 3.00
Galax.....	.10 to .15
Leucothoe.....	.50 to .75
Common Ferns.....	.10 to .15

DAVENPORT, IA.—Chas. Danacher, who recently resumed the greenhouse business he sold to Otto Klingbiel, will shortly open a down-town store.

HOUGHTON, MICH.—The Lutey Floral Company is now in its handsome new store, with new fixtures in curly birch. A handsome soda fountain is one of the adjuncts and on the opening day A. E. Lutey treated every flower buyer to a glass of soda and gave every soda drinker a carnation. A conservatory 25x50 is now being built.

FRANK M. ELLIS,

Wholesale Florist,

1316 Pine Street,

St. Louis, Mo.

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A COMPLETE LINE OF FLORISTS' SUPPLIES.

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Telegraphic orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.
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Suburb of Chicago.

Out-of-town orders of all kinds given careful and prompt attention.

Long distance phone, Evanston 56.

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Mrs. Chas. Eickholt,

2319 AVENUE M. Galveston, Tex.

Shibeley The Florist,

311 SUTTER ST., SAN FRANCISCO, CAL.

Slevers & Boland,

25-27 Post Street, San Francisco, Cal.

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Fill all orders for Florists
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1610 to 1620 N. Illinois St., Indianapolis, Ind.

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EUCLID AVENUE. CLEVELAND, OHIO.

John Breitmeyer's Sons,

Cor. MIAMI and GRATIOT AVES.
DETROIT, MICH.

WM. SCOTT,

Main and Balcom Sts.

Buffalo, N. Y.

U. J. VIRGIN,

838 Canal Street, NEW ORLEANS, LA.

S. B. Stewart,

119 No. 16th Street, OMAHA, NEB.

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Century Flower Shop,

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ESTABLISHED 1873.

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WILLIAM L. ROCK, FLORIST,

1116 Walnut St., Kansas City, Mo.

J. J. Beneke,

1230 Olive Street, ST. LOUIS, MO.

HUGH GRAHAM

104 So. 13th Street, Philadelphia.

I am in a position to handle any orders for Philadelphia or vicinity, either large or small; would be pleased to have correspondence with the trade in general.

Our facilities for handling orders, either for flowers or plants, are of the very best.

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Good Fortune is the Chum of Opportunity.

This is your chance to lay in a stock of Godfrey Aschmann's tip-top *Araucaria Excelsa*. Do it now and they will help to fill your treasure box; they will be growing into money for you while you're asleep. We are headquarters for this great favorite among decorative plants. Our houses are full of choice April importations—no seedlings—raised in Belgium from top cuttings only. Here is my very lowest quotation. Who can beat such stock as I offer for the money?

5½-in., 3 tiers, 8 to 10 in. high.....\$0.50 each
5½-in., 3 to 4 " 10 to 12 "60 "
5½-in., 3 to 4 " 13 to 15 "75 "
6-in., 4 to 5 " 16 to 18 " 80c, 90c, 1.00 "

Kentia Forsteriana—4 years old, 30 to 36 in. high, 5½-in. pots, 75c to \$1.00 each.

Ficus Elastica—Imported, 4-inch pots, 25c each.

Cash with order please. Goods travel at purchaser's risk only. Please state if with or without pots.

Wanted to Buy—Boston Ferns for cash.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants,

1012 Ontario Street, PHILADELPHIA.

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GRAND RAPIDS VIOLET STOCK.

Imperial, M. Louise, 2¼-inch pots, \$25.00 per 1000. Swanley White and Lady Campbell, 2¼-in. pots, \$20.00 per 1000.

Maiden Hair Ferns, 6-inch pots, 25c each.

Chrysanthemums, write for list of varieties, 2¼-inch pots, \$20.00 per 1000.

CRABB & HUNTER, Grand Rapids, Mich.

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Latania Borbonica.

Fine plants in 14-inch pots. Suitable for lawn decoration or large conservatory. \$15.00 each.

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It will pay you to work up a stock of

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The best Semi-double Scarlet Geranium to date. Strong, 2½-inch pots, \$8.00 per 100.

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JOHN SCOTT,
Keap St. Greenhouses, Brooklyn, N. Y.
Headquarters for **BOSTONS**
Fine "PIERSONI" in 2½-inch pots.
The Cottage Gardens' Collection of Cannas,
Grand stock. Send for particulars.

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2-inch, \$1.25 a hundred; \$10.00 a thousand.

Roses

Golden Gates—3-inch, \$5.00 a hundred.

Brides—3-inch, \$5.00 a hundred. All A1 stock, in fine condition.

Palms

Kentia Belmoreana and *Forsteriana*, fine 4-inch stocky plants, \$25.00 a hundred.

Latania Borbonica—4-inch, \$10.00 a hundred.

Latania Borbonica—3-in., \$7 a hundred.

J. B. HEISS,

The Exotic Nurseries. Dayton, Ohio.

Mention The Review when you write.

JOSEPH HEACOCK, WYNCOTE, PA.

Grower of

Areca Lutescens, *Kentia Belmoreana*
and *Kentia Forsteriana*.

Price list for the asking.

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Don't forget to order some of those fine 3-inch

BEAUTIES, GOLDEN GATE or

IVORY, as well as the other varieties of *Roses* of

"Ferns." **GEO. A. KUHL,**
PEKIN, ILL.

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LEADING NOVELTIES OF 1903.

The Best Varieties of 1902.

All the Standard Varieties.

Send in your orders for Field Plants now.

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Always mention the Florists' Review when writing advertisers.

FERNS, PALMS, Asparagus, Primroses

Pteris Tremula—Short bushy stock from 2½ inch pots, \$2.50 per 100; \$20.00 per 1000.

Phoenix Canariensis Palms—Excellent values at \$1.50 and \$2.00 from 7 and 8-inch pots.

Full line of *Kentias* and *Latanias* in all sizes.

Asparagus Sprengeri—2-inch pots, \$2.00 per 100.

Asparagus Plumosus—2½-inch pots, \$3.50 per 100.

Primula Obconica—Grandiflora alba and rosea, 2-inch pots, \$2.00 per 100; 2½-inch pots, strong, \$3.00 per 100.

THE STORRS & HARRISON CO. PAINESVILLE, OHIO.

Mention the Review when you write.

Zirngiebel GIANT PANSIES

Market and Fancy Strains

are the finest grade this season that we ever sent out, when large size and colors are wanted.

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NUMBER
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to be issued
August 20.

CLASSIFIED PLANT ADVERTISEMENTS.

Rate for advertisements under this head, 10 cents a line net, per insertion. New advs. and changes must reach us by Wednesday morning at latest to secure proper classification in issue of Thursday.

ABUTILONS.

Abutilons in variety, 2½-in., \$2.50 100; \$20.00 1000. R. Vincent, Jr., & Son, White Marsh, Md.

ACALYPHAS.

Acalypha Macafeana, \$3.50 100. R. Vincent, Jr. & Son, White Marsh, Md.

ALLAMANDAS.

Allamanda Hendersoni, fine, bushy specimen plants, 3-ft. high, from 10 to 12-in. pots, \$3.00 each; 4 for \$10.00. Cash. A bargain. J. A. COSGROVE, Madison, N. J.

ALTERNANTHERAS.

Alternantheras, red and yellow, fine, bushy plants, 2½-in. pots, 75c 100; \$6.00 1000. L. D. ROBINSON, JR., Springfield, Mass.

AMPELOPSIS.

Ampelopsis Veltchii from flats, ready for 2-in., \$1.00 per 100. Bobt. Bowdler, 1723 Florida Ave., N. E., Washington, D. C.

ANTHERICUMS.

Anthericum variegatum, 3-in., 75c per doz.; 4-in., \$1.00 per doz., \$8.00 100. F. WALKER & CO., Louisville, Ky.

ARAUCARIAS.

Araucaria excelsa, raised in Belgium from top cuttings only.

	Tiers.	High.	Each.
5½-in. pots	3	8 to 10 in.	50c
5½-in. pots	3 to 4	10 to 12 in.	60c
5½-in. pots	3 to 4	13 to 15 in.	75c
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THE CONARD & JONES CO., West Grove, Pa.

ASPARAGUS.

Asparagus Sprengeri and plumosus, strong plants, 2½-in., \$3.00 100, \$25.00 1000. 500 strong A. plumosus plants from bench, \$10.00 100.

ISAAC H. MOSS, Govanstown, Baltimore, Md.

Asparagus Sprengeri, from flats, \$1.00 100, \$6.00 1000; 5000 for \$25.00; 2½-in., \$1.50 100, \$12.50 1000. A. plumosus nanus, 2½-in., \$4.00 100.

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Asparagus plumosus plants, 2-yr.-old, \$5.00 100; fine for strings. Asparagus Sprengeri, 2½-in. pots, extra, \$2.50 100.

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A. plumosus, 3-in., \$5.00; 4-in., \$8.00 100. Sprengeri, 2-in., \$2.00; 3-in., \$5.00; 4-in., \$7.00 100.

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ASPARAGUS PLUMOSUS NANUS. Cut strings, 50 cents each. W. H. ELLIOTT, BRIGHTON, MASS.

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Asparagus plumosus, strong, 2½-in., \$4.00 100. NATHAN SMITH & SON, Adrian, Mich.

Asparagus Sprengeri, 2½-in., \$2.50 per 100. Ocala Greenhouse Co., Ocala, Fla.

2000 extra fine 3-in. smilax, \$2.50 100. N. METZ, Dayton, Ohio.

Asparagus plumosus, all sizes. A. S. MACBEAN, Lakewood, N. J.

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Bay Trees. Largest stock in America. JULIUS ROEHR, Rutherford, N. J.

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1000 fuchsias, 8c each.

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1000 3 and 3½-in. geraniums of the following 1902 varieties: Athlete, Julia Marlowe, Crabbe, H. Charron, Robert Charlie, Gettysburg, Rosa Bonheur, Fleur de Rose, Precieuse, Triumph de Nancy, J. M. Barrie and Col. Barre, also all the standard sorts, at \$5.00 per 100. Ready to repot. Fine for stock plants.

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White sultana, Platyapetala, flowers large, pure white, with red dot in the center. Now is the time to stock up for the coming season. IT SELLS. Strong plants, \$1.00 per doz.
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Umbrella plants, 2-in. strong, selected, \$2.00 100; 6-in., 20c each; seed pkt., 25c. Cash.

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Celery, strong transplanted plants, well-hardened, \$2.00 1000; \$8.00 for 5000. **White Plume** and **Boston Market**. Cash, please.

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500 vincas, 5c each. **David S. Beach**, Bridgeport, Conn.

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Wanted.—In possession of a fine tract of land, I seek contracts to grow about 40,000 to 50,000 roses. Planting time of hardy roses, November, 1903; other varieties in March and April, 1904. Our climate is one of the best in the United States for growing outdoor roses. My personal skill and knowledge, also personal supervision, will be a guarantee of well-grown plants.

Address a proposition, stating how many plants and of what class you want me to grow for you; also price you are willing to pay per 1000. BECKER, The Florist, Columbia, S. C.

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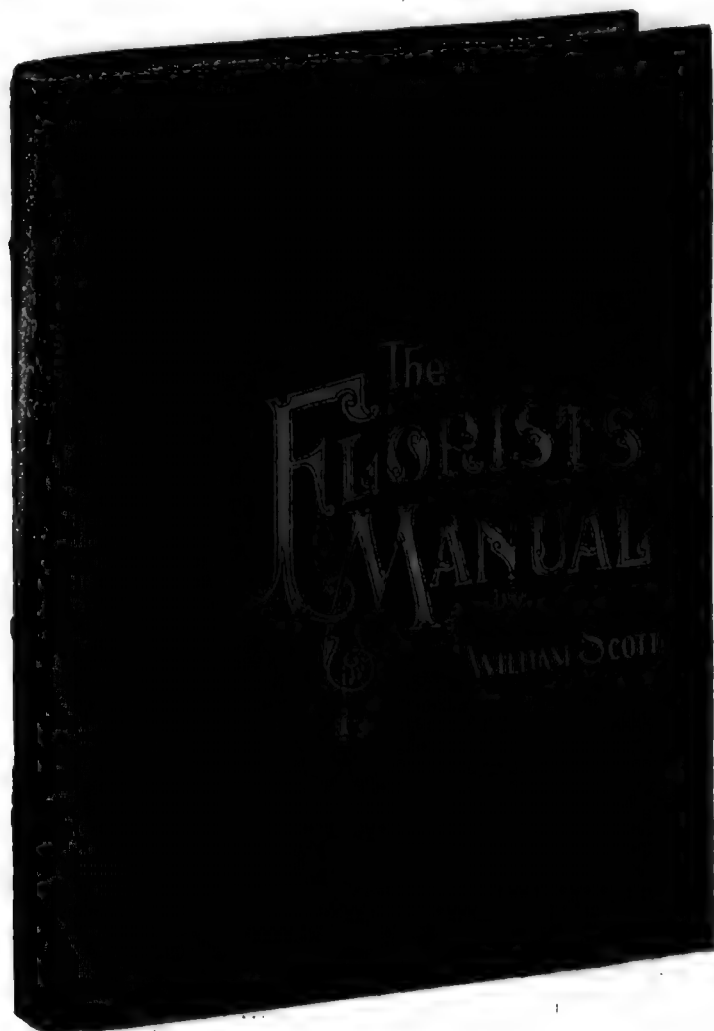
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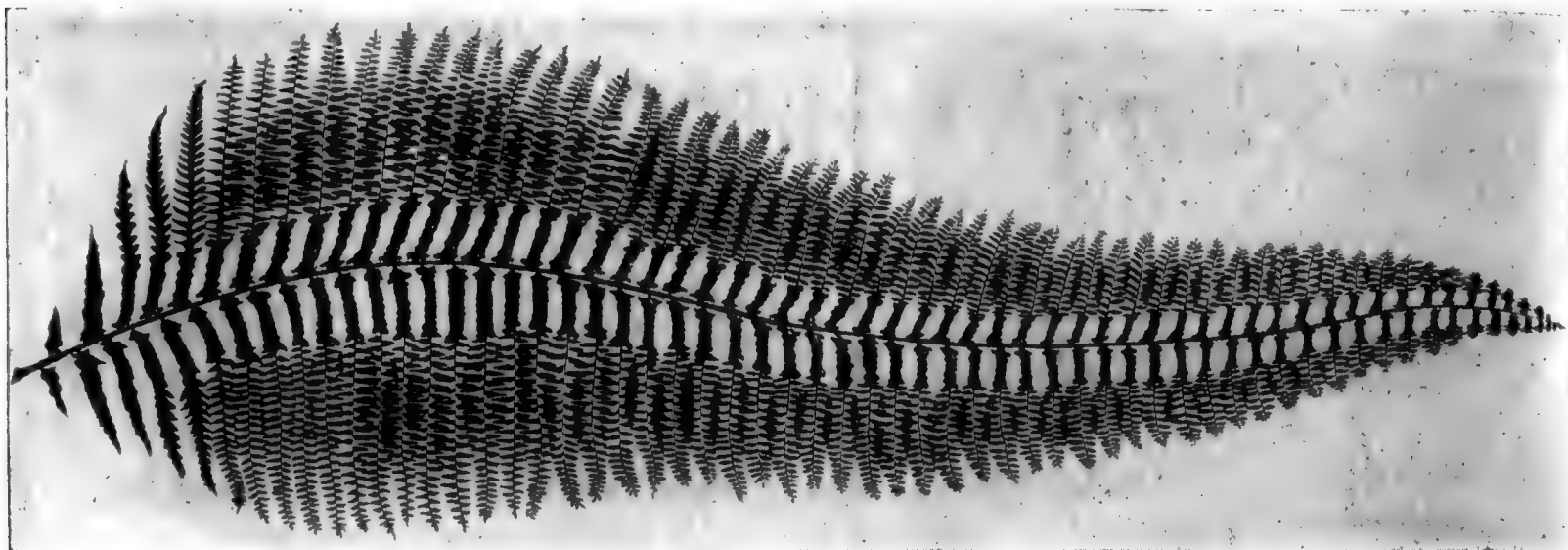
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The most popular Fern yet introduced. As Boston will be in short supply this season why not plant Anna Foster and get the **Quick Profit**. Prices now as low as the Boston. Cut from bench, small plants, \$5.00 per 100; \$40.00 per 1000. 3 to 4 frond plants, \$10.00 per 100; \$80.00 per 1000.

Plants for 6-inch, \$35.00 per 100; for 7-inch, \$50.00 per 100; for 8-inch, \$75.00 per 100.

Pot plants, 3-inch, \$20.00; 5-inch, \$50.00 per 100. 6-inch, \$1.00; 7-inch, \$2.00; 8-inch, \$3.00 each. Larger plants, prices on application.

There have about 50,000 plants gone all over the United States, Canada, England, Germany, etc., with the best results. Why not get in on this quick selling Fern now and get the profit this Fall.

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10,000 KENTIAS, fine, from \$50.00 to \$150.00 per 100.

ST. PAUL.

The Market.

There is "something doing" all the time, so that business is not dead by any means. Flowers are scarce and each day finds everything salable closed out. Good roses are as hard to obtain as at any time during the year. Very ordinary stock sells at \$4 to \$6 per 100 at wholesale, while the retailer still asks \$1.50 per dozen, or mid-winter prices. Beauties are particularly scarce. We never knew the time when the demand for Beauties was so good in the summer. Carnations are still of fair quality, but are decreasing in quantity right along.

Longiflorum and Harrisii lilies come in very handily for funeral work. Sweet peas are very late this season and also scarce. Four dollars per 1,000 is the present price.

Various Notes.

The growers are busy replanting and repairing. Mums will be more generally planted than usual, owing to the impetus given by our little flower show last year.

There are not many new buildings being erected, owing to the high price of labor and material. Swanson is adding a new rose house, and Holm & Olson have the glass and material for another plant house. May & Co. are renovating their oldest range, putting in new bars and posts, and repainting their entire range.

The Minneapolis brethren have cut loose from St. Paul and will hold their picnic at Excelsior, on the shores of Lake Minnetonka on July 23. The St. Paul florists will hold theirs the same day at Wildwood, on White Bear lake.

H. E. Philpott, of Winnipeg, returning from an eastern trip, still thinks his native town the best of them all.

Gust Colberg, with L. L. May & Co., has been on a vacation at Chisago Lakes.

Otto Hiersekorn is in Germany.

X. Y. Z.

VALLEY FALLS, R. I.—J. J. Kelly is building a greenhouse 24x132 with an office and boiler room attached.

FINISHED PLANTING, HAVE A SURPLUS OF Fine, Clean, Thrifty ROSE PLANTS

3 1/2-inch Maids.....	\$45.00 per 1000	3 1/2-inch Gates.....	\$45.00 per 1000
3 1/2-inch Beauties.....	60.00	3-inch Ivory.....	45.00
3-inch ".....	50.00	3 1/2-inch Perles.....	50.00
2-inch ".....	35.00	2-inch Meteors, Maids.....	20.00

STEVIA. 2-inch, \$22.00 per 1000; 3 1/2-inch.....\$35.00 per 1000
Rooted Cuttings..... 12.00

MUMS { Our selection of good commercial var., 2 1/2-inch.....\$25.00 per 1000
Our selection Rooted Cuttings of good commercial var..... 12.00
Yellow Eaton, Liger, Richardson, Rooted Cuttings..... 15.00 per 100
Chautauqua Gold, \$5.00 per 100; Estelle..... 8.00

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Winter Flowering Roses.

Fine healthy stock from selected cuttings. Sunrise, American Beauties, La France, 3-in pots, \$9.00 per 100; 4-in. pots, \$12.00 per 100.

Brides, Maids, Golden Gates, Meteors Safrano, Bon Silene, Mme. Hoste, Papa Gontier, 3-in. pots, \$7.00 per 100; 4-in. pots, \$10.00 per 100.

GRAFTED ROSES. Fine bushy plants in 3 1/2 and 4-in. pots.

Liberty, Ivory, \$18.00 per 100. Brides, Maids, Golden Gates, Kaiserin, \$15.00 per 100.

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Roses to Force

	100	1000
Brides, Maids, Gates, Meteors, 3-in..	\$5.00	\$45.00
Ivory, very strong, 3-in.....	6.00	55.00
Brides, Maids, Golden Gates, 2 1/2-in.,	3.00	25.00
This is vigorous, clean stock, in the best possible condition to plant for forcing. You will find it good strong value at these prices.		
Vincas—Var., 3-in., for stock or vases,	\$4.00 per 100.	
Coleus—12 good kinds, 2-in.,	\$1.50 per 100.	

Write us about several hundred feet of 4-in. hot water pipe in first-class order. Price low.

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New crop seed now ready. Large flowering, finest colors, in great variety. By mail, 3000 seed, \$1.00; 1/2-pkt., 50c; 1 oz., \$5.00; 2 oz., \$9.00; 3 oz., \$12.00. Separate colors in blue, black, red, white and yellow, 50c pkt. Cash with order.

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Sept. 1 to 15 delivery. We offer the following list of Peonies which have been grown by us for several years for cut flower purposes. The stock has been carefully grown, bloomed the third year and rogued while in bloom. All are good bloomers and shippers and all varieties have been culled out and destroyed that do not flower freely. Prices include packing and a discount of 5 per cent. will be given on all orders where cash is received with the order. The wet Fall and Spring have been very favorable for the growth of peony roots and our stock will be found in excellent condition.

Officinalis Section.

These are the earliest to bloom of all the peonies and for this reason are very desirable, as they furnish cut flowers a week before the Chinensis Section are in bloom.

No. 5. Officinalis Rosea Superba. Brilliant salmon pink tinged rose, 5 to 6-inch bloom; a pure, clear, true shade of pink without any magenta; the most pleasing of the officinalis section; the first good, early, clear pink peony. 500 plants, 3 to 5 eyes, at \$25.00 per 100.

No. 208. Officinalis Rubra. The old-fashioned deep crimson peony of Colonial days. 1000 strong plants, 6 to 8 eyes, at \$10.00 per 100.

No. 212. Officinalis Rosea. The old-fashioned deep pink variety of our grandmothers' gardens. 500 strong clumps, 6 to 8 eyes, at \$10.00 per 100.

No. 198. Officinalis Mutabilis Alba. Opens rose flesh, fading to blush white; very double 5-inch bloom; the earliest white peony. 300 good plants, 3 to 5 eyes, \$20.00 per 100.

Chinensis Section.

This is the most useful of the different sections. The flowers are larger than the Officinalis and are borne upon longer, stronger stems and are richly fragrant. The blooms are especially valuable for cut flower purposes and are consumed in enormous quantities in the cut flower markets of Philadelphia, New York, Boston, Buffalo, Chicago and other large cities. The sorts we offer have been thoroughly tested for a number of years and the blooms sold upon the New York, Philadelphia, Buffalo and other markets where they are in steady demand.

Early White Varieties.

No. 4. Queen Victoria. Guards light rose, center creamy white, with a few petals edged or tipped with light pink, flower finishing white. Good grower; 24-inch stem, 5 to 5½-inch bloom; very free, fragrant, ships well and is a good keeper; a standard double white peony for all purposes. 200 strong plants, 4 to 5 eyes, at \$25.00 per 100.

No. 200. Achillea. Guards delicate rose, center delicate rose flesh fading to creamy white; vigorous, erect grower; strong stem, 30 to 36 inches long; bloom 6 inches in diameter; a chaste, beautiful variety; good keeper and shipper. 300 plants, 3 to 4 eyes, at \$20.00 per 100.

No. 270. Marie Lemoine. (Early variety.) Guards delicate rose with center of blush white, flower finishes a tender blush white; strong 30 to 34-inch stem; erect, vigorous habit; 5-inch bloom; delicate, pleasing fragrance; good keeper; abundant bloomer. 200 fine roots, 3 to 5 eyes, \$20.00 per 100.

Early Pink Varieties.

No. 201. Grandiflorum Roseum. (Sometimes known as L L L Pink.) Bright rose with silvery reflex, general effect clear, bright silvery rose; vigorous grower; 28-inch stem; 5-inch bloom; strong, rich fragrance; exceptionally free bloomer; good keeper and shipper. 400 strong plants, 6 to 8 eyes, \$20.00 per 100.

Early Pink Varieties.

No. 267. Golden Harvest. Very large tufted bloom, guard petals blush pink with a collar of lemon yellow petals which fade to nearly white, with a blush white tuft in the center, a few of the center petals tipped with light crimson. Good strong grower, 18 to 24 inches in height, a very striking variety, blooms deliciously fragrant. 150 one-year-old plants at \$40.00 per 100.

Mid-Season White Varieties.

No. 9. Pulcherrima. (Early mid-season.) Guards white, veined rose pink, center very full, creamy white; strong, erect grower; 20 to 24-inch stem; 5 to 5½-inch bloom; very fragrant, free bloomer; ships and keeps well; a first-class white for all purposes. 400 plants, 4 to 8 eyes, at \$20.00 per 100.

No. 203. (Sometimes sold as Humea Alba.) (Early mid-season.) Guard delicate silvery pink, center creamy yellow fading to ivory white; vigorous grower; 30 to 36-inch stem; 6 to 6½-inch bloom; rich, delicate fragrance; very free bloomer; ships and keeps well; one of the best of its class. 100 one-year plants, 3 to 5 eyes, at \$30.00 per 100.

No. 210. Festiva Alba. Called by Chicago growers, "Drop White." Large, full rose shaped bloom; color ivory white, with now and then a spot of crimson on the center petals; medium grower about two feet in height, bloom 5 to 6 inches in diameter. This is the variety which is usually substituted for the more valuable Festiva Maxima, and is grown about the Chicago market more largely than any other white peony. 150 fine one-year-old plants at \$40.00 per 100.

Mid-Season Pink Varieties.

No. 1. Lohengrin. Guards deep rose, center light rose with a few crimson tipped petals; vigorous grower; 18 to 24-inch stem; 5 to 6-inch bloom; delicate, rich fragrance; free bloomer; good keeper and shipper. 100 plants, 4 to 6 eyes, at \$15.00 per 100.

No. 206. Baron Rothschild. Guards deep rose with reddish tinge, center lighter rose shaded with rosy cream; vigorous grower; 26 to 30-inch stem; 5-inch bloom; exceptionally free bloomer. 100 strong plants, 6 to 8 eyes, at \$6.00 per 100.

No. 3. Queen Emma. Guard petals light rose pink, center opens creamy white, fading to blush white, with a tuft of flesh pink petals in center; flower 5 inches in diameter; strong, 24-inch stem; good grower; free bloomer; keeps and ships well. 100 strong plants, 3 to 5 eyes, at \$20.00 per 100.

Late Pink Variety.

No. 11. Humei. (Syns. Humei Rosea, Edulis and Thorbeckii.) Entire bloom pure, bright, deep rose; very vigorous grower; 24 to 28-inch stem; 6 to 7 inches deep; full, heavy bloom; strong, rich, cinnamon fragrance; one of the finest colored of the very late peonies. 500 strong plants, 4 to 8 eyes, at \$8.00 per 100.

Late Red Variety.

No. 259. Grandiflora Rubra. Entire flower deep blood red, forming a huge globe 7 to 8 inches in diameter; strong, vigorous grower; stands handling; ships and keeps well; 30 to 34-inch stem; one of the latest as well as one of the largest. 200 strong roots, 4 to 5 eyes, at \$20.00 per 100.

No. 283. Richardson's Rubra Superba. Large, very double, finely formed, fragrant bloom, color dark crimson red. One of the most robust plants that we have. Free bloomer, being the latest peony to bloom with us, fine blooms being cut this year on the 5th of July. This is considered the most valuable peony of its color on account of its extreme lateness and freedom of bloom. 300 strong one-year-old plants at \$40.00 per 100.

To get the best results Peonies should be planted as early in September as possible.

Orders accepted strictly in rotation. 5 per cent. discount for cash with order.

The Cottage Gardens,

C. W. WARD, Manager. QUEENS, L. I.

BOSTON.

It takes a better looking man than myself to gather news from the situation here. Men do not gather grapes from thorns nor figs from thistles any easier in the twentieth century than they did in the first. The different wholesale and retail concerns of the city open every morning, go through all the forms of doing business with a reduced number of workers, close at 5 or 6 o'clock and go home or elsewhere. There is not much coming into the market in the way of flowers and most of the receipts are lacking in quality. Carnations, roses and sweet peas are not so plentiful, but small white flowers are much more so, as a lot of outdoor candytuft feverfew and so forth has arrived and sells very cheaply.

Jackson Dawson, the widely known and popular superintendent of the Arnold Arboretum, has our sympathy in the death of Mrs. Dawson. She had been an invalid for a number of years, but her demise came very unexpectedly.

J. S. MANTER.

TORONTO.

With the return of cooler weather, trade is picking up considerably and our retail men report business good for this time of the year. Carnations have been a glut during the last few weeks and quality not anything to brag about. We regret very much to note one of our up-to-date flower stores placarding the windows with "Roses 15 cents a dozen," "Carnations 10 cents a dozen." While this slaughtering business was left to the department stores the florists' trade of Toronto and the public in general did not pay much attention, for, as an eastern florist remarked, "the stock they handled and the way they handled it did not warrant better prices."

The Toronto Floral Co. is at present cutting some fine Brides and Maids from the stock that was cut back earlier in the season. They are also sending in some fine lilies.

The Georgetown Floral Co. is rushing work on the new greenhouses and expects to have them ready to plant by the middle of August.

PLANT your adv. in the REVIEW if you want a crop of business.

ORDER ROSES AT ONCE

Following varieties and sizes in stock:

Meteors, 2 and 2½-in.; Brides, 2, 2½ and 3-in.; Maids, 2, 2½, and 3-in.; Kaiserins, 2, and 4-in.; Beauties, 2 and 3-in.; Liberty, 2, 2½ and 3-in.; Golden Gate, 2, 2½ and 3-in.; La France, 2 and 3-in.; Belle Siebrecht; Pres. Carnot, 2-in.; Ivory, 2 and 3-in.; Woottons, 2 and 3-in.

BOSTON FERN—5, 6, 7, 8 and 10-inch.

PLUMOSUS—2, 2½, 3, 4 and 5-inch.

SPRENGERI SEEDLINGS—2, 3, 4 and 6-in.

—WRITE—

GEO. A. KUHLE, PEKIN, ILL.

Mention Review when you write.

ROSES EXTRA STRONG

American Beauty.....3½-in.....\$10.00 per 100
 Perle.....3½-in.....8.00 per 100
 Kaiserin.....3½-in.....8.00 per 100
 Golden Gate.....3½-in.....8.00 per 100
 H. WEBER & SONS, Oakland, Md.

Dreer's Special Offer
....of Araucarias.

We have in stock about fifteen thousand Araucarias, on which we are in a position to offer special values. It will pay you to procure your next winter's supply now and not only gain the benefit of the summer's growth, but also cheap transportation rates, as these plants can be safely shipped by fast freight during the summer months.

5-in. pots, 8 to 10 in. high,	3 tiers....	\$0.50
6-in. " 12 to 15 " 8 to 4 " "	....	.75
6-in. " 16 " 4 " "	....	1.00
5-in. " 20 " 4 to 5 " "	....	1.25

Araucaria Robusta Compacta

6-in. pots, 10 in. high, 2 to 3 tiers.....	\$1.25
6-in. " 12 " 8 " "	1.50
7-in. " 15 " 8 " heavy..	2.00

Araucaria Excelsa Glauca.

5-in. pots, 8 to 10 in. high, 2 tiers....	\$0.75
6-in. " 12 " 2 to 3 " "	1.00
6-in. " 15 " 3 " "	1.25
7-in. " 18 " 4 " "	1.50
8 and 9-in. " 22 to 24 " 4 " "	3.50

The plants at \$3.50 are exceptionally fine symmetrical specimens, spreading fully 30 inches.

Our current Wholesale List offers the most complete list of Palms and other Decorative stock that we have ever been in position to offer, and we especially call attention to our stock of Kentias which alone covers over two acres of greenhouse space. Lillium Harrisii and Freesia bulbs now ready. New crop Pansy, Myosotis, Primula now in.

HENRY A. DREER, 714 Chestnut St., Philadelphia.

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Roses--
To Close

Having finished planting, we offer the following surplus stock—THRIFTY PLANTS:

150 AMERICAN BEAUTIES.....4-inch, 8c each	
150 BRIDES.....2½ " 2½c "	
75 METEORS.....3 " 3c "	
150 GOLDEN GATES.....3 " 3c "	
Also GOLDEN GATES, from 2½-in. pots,	
\$2.00 per 100; \$17.50 per 1000.	

WM. B. SANDS,
LAKE ROLAND, - - BALTIMORE, MD.

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FOR SALE.

4-inch Maids.....	\$6.00 per 100
4-inch Meteors.....	6.00 "
3-inch Perles.....	5.00 "
3-inch Beauties.....	5.00 "

Pittsburg Rose & Carnation Co.
Gibsonia P. O., Pa.

Bride and
Maid Roses

Cut back, well ripened, bench plants, \$2.50 per 100.
 Stevia—Extra strong, 2-inch, \$2.00 per 100.

JOHN BROD, - - Niles Center, Ill.

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Asparagus Sprengeri!

2-inch pots.....	\$2.00 per 100
2½-inch pots.....	2.50 "
3-inch pots.....	3.00 "

We prepay express charges and guarantee satisfaction.

LOOMIS FLORAL CO., - - LOOMIS, CAL.

Mention The Review when you write.



BEAUTY

Plants from 3-inch pots, \$6 per 100; \$50 per 1000. Also a few thousand

GOLDEN GATE, 2½-inch, \$2.50 per 100; \$20 per 1000.

IVORY, 2-in., \$3 per 100; \$25 per 1000.

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG,
51 Wabash Ave., Chicago.

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SUNRISE ROSES!

From 3-inch pots, \$9.00 a 100.

JOHN WELSH YOUNG,

GERMANTOWN, PA.

Upsal Station, Penn. R. R.

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Brides and Maids

Strong plants, 3-inch pots, \$5.00 per 100.

Charles E. Meehan, Slocum & Musgrove Sts.
Germantown, Pa.

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Clearance Sale
Rose Plants

1000 Am. Beauties, 3-inch.....	\$35.00 per 1000
4000 Meteors, 3 inch	25 00 "
1500 " 3½-inch	20.00 "

BRANT & NOE, Forest Glen, Chicago, Ill.

CLOSING OUT AT CASH BARGAIN PRICES

CYCAS REVOLUTA STEMS, $\frac{1}{2}$ to 3 lbs., 350 lbs. to the case.

BY THE CASE, \$4.50 PER 100 LBS., Less than case, \$6.00 per 100 lbs.

JAPAN BAMBOO PLANT STAKES, 6 ft., $\frac{1}{4}$ to $\frac{3}{8}$ inch, per 1000, \$8.00; per 2000, \$11.00
3 ft., $\frac{1}{4}$ inch, " 3.00; " 5.50

PRICES QUOTED ON YOUR ESTIMATE OF BULBS, HARDY ROSES, etc.

FOR FALL OR SPRING DELIVERY.

C. H. JOOSTEN, IMPORTER, 201 WEST STREET, NEW YORK.

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LATANIA BORBONICA

3-inch pots, 12 to 15 inches high, showing one to two character leaves; extra strong, ready to shift into 5 or 6-inch pots; will make 50c stuff in 60 days, \$7.00 per 100; \$60.00 per 1000.

ASPARAGUS SPRENGERI

Very fine, 4-inch pots.....\$6.00 per 100.
8-inch pots..... 4.00 "
2 $\frac{1}{4}$ -inch pots..... 3.00 "

CHRYSANthemUMS

White and Yellow Jones, Mrs. Murdock, Henderson, Bonaffon, Lavender Queen, Col. Appleton, Merry Christmas, Niveus, 2 $\frac{1}{2}$ -inch pots, clean, fresh stock, \$2.50 per 100; \$20.00 per 1000.

EUCHARIS GRANDIFLORA

Free-flowering sort. Will give three to four crops of bloom each year. Flowers better and much freer than Eucharis Amazonica. Strong flowering bulbs (growing), \$8.00 per 100. Small flowering bulbs, \$5.00 per 100.

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AVONDALE, CINCINNATI, OHIO.

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If you wish to secure stock of the following superb bedders: S. A. Nutt (crimson), Alph. Ricard (scarlet), E. G. Hill, Beaute Poltevine (salmons), Jean Viaud (pink), Mrs. E. Buchner (white). Strong plants from 2 $\frac{1}{2}$ -inch pots at rooted cuttings' prices—\$1.50 per 100; \$15.00 per 1000. Smilax, strong 2 $\frac{1}{4}$ -inch plants, \$1.25 per 100; \$10.00 per 1000.

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SPRINGFIELD, ILL.

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Only a few thousand left. Fine plants, ready to plant, at \$2.00 per 100 or \$15.00 per 1000. Send for sample, 10c. Cash with all orders. Don't wait or you will be left like last year.

Geo. T. Schuneman,
Violet Range, Baldwins, L. I., N. Y.

CYCLAMEN.

Nothing but the best giganteum persicum, large flowered, 3-inch, ready for 4-inch, \$5.00 per 100. Asparagus Sprenger!—From flats, ready for potting up, \$1.00 per 100; \$6.00 per 1000. 5000 for \$25.00. 2 $\frac{1}{4}$ -inch, \$1.50 per 100; \$12.50 per 1000. A. plumosus nanus—2 $\frac{1}{4}$ -in., \$4.00 per 100. Primula Forbes!—Baby primroses, 2 $\frac{1}{4}$ -in., \$1.50 per 100; 400 for \$5.00.

SAMUEL WHITTON, 15-17 Gray Ave., UTICA, N. Y.

Peacock'sDahlias

For plants, bulbs or cut blooms. Address

W. P. PEACOCK,
Dahlia Specialist. ATCO, N. J.

Asparagus Sprenger!

3 $\frac{1}{2}$ -inch, \$2.00 per 100; \$15.00 per 1000.

Mixed Ferns, 4-inch.....\$5.00 per 100; \$40.00 per 1000

Field-Grown Carnations—Flora Hill, Argyle, Marquis, America, \$10.00 per 100, F. O. B. Loomis.

Calla Bulbs, all sizes; Shasta Daisy, new crop seed; Pansy Seed, new crop seed. Write for prices.

Express prepaid on above except carnations.

California Carnation Co., L. Box 103, Loomis, Cal.

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Primroses. Asparagus.

Chinese, 2-in. pots. July.....\$2.00 per 100
Obconica, alba and rosea..... 2.00 "
Forbes! "Baby"..... 2.00 "
Pansy Seed, Ne plus ultra, August. 4.00 per oz.

CASH, PLEASE.

JOS. H. CUNNINGHAM, - - Delaware, Ohio.

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SEASONABLE STOCK.

Per 100
ASPARAGUS, Plumosus Nanus, extra from.....2 $\frac{1}{4}$ -in. pots \$4.00
BEGONIA, Incarnata.....2 $\frac{1}{2}$ -in. pots 4.00
" Manicata Aurea ..2 $\frac{1}{2}$ -in. pots 6.00
CYPERUS ALTERNIFOLIUS...2 $\frac{1}{4}$ -in. 3.00
ADIANthUM, Capillus Veneris..2 $\frac{1}{4}$ -in. pots 3 00
SANSEVIERA, Zeylanica2 $\frac{1}{4}$ -in. pots 5.00

All the foregoing stock is in the best possible condition for growing on for fall trade, or for propagating purposes. We can guarantee the quality of the stock.

NATHAN SMITH & SON, Adrian, Mich.

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CHRYsanthemUMS

Strong young plants in 2 and 2 $\frac{1}{2}$ -inch pots: Col. Appleton, Jerome Jones and Merry Xmas, \$3.00 per 100.

ASPARAGUS

Plumosus and Sprenger!, strong plants from 2 $\frac{1}{4}$ -inch pots, \$3.00 per 100; \$25.00 per 1000.

Asparagus Plumosus, 500 strong plants from bench, \$10.00 per 100.

ENGLISH IVY, strong plants from 3-inch pots, \$5.00 per 100.

80,000 field-grown **CARNATION PLANTS**, prices and varieties on application.

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BEACH the Florist Leads WHY NOT BUY DIRECT

100 Pearls..... { 2 years old }3000 Brides
100 Meteors.... { 10c straight }1000 Maids.
10,000 Geraniums, all kinds and colors, 5c straight
500 Vincas 5c "
1000 E. Ivy 10c "
500 Cannas 6c "
200 Caladiums..... 8c "
1000 Fuchsias..... 8c "
Leading Mums, in pots or out.....\$5.00 per 100
Two Windmills, Corcoran make, 12 ft. and 16 ft., mostly new. 600-bbl. Cedar Tank, one No. 15 Hitchings' Boiler and 300 ft. of 1 $\frac{1}{2}$ and 2-in. Pipe, ready to set up. Correspondence solicited.

DAVID S. BEACH,
P. O. Box 253. BRIDGEPORT, CONN.
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ORCHIDS.....

Arrived in fine condition—Cattleya Citrina, Epidendrum Nemorale, E. Vitellinum Majus, Odontoglossum Citrosimum, O. Maculatum, O. Reichenheimii, Oncidium Cavendishianum, O. Ornithorhynchum, O. tigrinum unguiculatum, O. varicosum Rogersii, Phalaenopsis Amabilis and P. Schilleriana. Write for prices.

Lager & Hurrell, Growers and Importers... Summit, N. J.
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PerennialPhlox.

A fine lot of mixed phlox consisting of 15 choice varieties 3-inch pots, extra strong plants, \$5.00 per 100.

Wagner Park Conservatories, Sidney, O.

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Palms and Ferns!

WE HAVE A FINE LINE IN ALL SIZES.

Also ASPARAGUS and SMALL FERNS for Ferneries.

OUR STOCK WILL PLEASE YOU.

C. C. POLLWORTH CO., Milwaukee, Wis.

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CINCINNATI.

The Market.

The weather continues fine, but rain is needed badly and outdoor stock is suffering. Business still holds out very good for this time of the year. The majority of the stock goes to make up funeral work, so white flowers are most in demand. The moderate weather has helped the quality of stock greatly, especially is it noticeable in roses, which have good color and larger and more solid buds. All in all stock of all kinds is scarce. Of course there is not a great quantity of stock coming in, but taken all together it represents quite a little trade.

Some very good white carnations are still to be had and they are nearly always ordered in advance. Pink ones are not quite so fortunate, but they nearly always sell. There is quite a demand for American Beauties and not nearly enough to satisfy it. There are no other red roses to speak of.

Some very good gladioli are now coming in which sell well. Asters will soon be with us and it looks as if they will be fine this year. A few of the first are already being cut, but they are not very good. It is yet too soon for the aster bug to get in its work, but several growers have met with severe loss through thrips, which have used up large fields of them.

Sweet peas are now somewhat scarce and consequently there is a good demand for them. Smilax is a little scarce, but there is plenty of Asparagus plumosus and Sprengerii; also a fair supply of adiantum.

Notes.

The month of July is rapidly nearing a close and business has been very good so far. The entire past season has been one of extreme prosperity for the florist, and now the much needed rest and recreation is near at hand—the trip to the S. A. F. convention at Milwaukee. It looks as though there will be quite a party from this city. Everybody is talking about it and it's a sure thing that all those who can possibly get away will be there.

The Greenhouse Manufacturing Co., managed by Mr. Loeber, has discontinued business. Mr. Loeber states that it was an easy matter to get business, but the trouble lay with the mills from which he purchased his supplies. They seemed unable to turn out the goods.

C. J. OHMER.

BAY TREES, PALMS

And Other Decorative Stock.

Orchids Just Received.

Fine importation of Cattleya Trianae and Phalaenopsis Amabilis and Schilleriana, etc. Ask for prices or call and inspect stock.

JULIUS ROEHRS, Rutherford, N. J.

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BOXES! BOXES! BOXES!

Before placing your orders for your fall supply of wood express, freight or mailing boxes write me for prices, and give dimensions of boxes needed. I make a specialty of very light and very strong express boxes. Also let me figure on anything you need made of wood cheaply. I have 1000 acres of timber.

GETMORE BOX FACTORY,

Owned and Operated by CALDWELL THE WOODSMAN, Belleville, Alabama.

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Pure Pulverized Sheep Manure and Unleached Hard Wood Ashes

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Send for sample and price list.

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SPHAGNUM MOSS.

Best selected quality, per bale of 5 barrels. \$2.25. Try a bale, it will please you.

U. CUTLER RYERSON,
108 Third Ave., -- NEWARK, N. J.

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CUT FLOWER BOXES.

WATERPROOF. Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No. 0....	3x4	x20...	\$2.00 per 100; \$18.00 per 1000
" No. 1....	3x4 1/2	x16...	1.75 " 15.00 "
" No. 2....	3x6	x18...	2.00 " 18.00 "
" No. 3....	4x8	x18...	2.40 " 22.00 "
" No. 4....	3x5	x24...	2.75 " 25.00 "
" No. 5....	4x8	x22...	3.00 " 27.00 "
" No. 6....	4x8	x28...	3.75 " 35.00 "
" No. 7....	6x16	x20...	5.50 " 55.00 "
" No. 8....	3x7	x31...	3.00 " 29.00 "
" No. 9....	5x10	x35...	6.50 " 60.00 "

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

The Livingston Seed Co., Columbus, O.
Box 104.

THADEN'S WIRE TENDRIL

TESTIMONIALS.

From Mann & Brown, Richmond, Va., Sept. 23, 1902: "Enclosed please find our check for \$72.50 to pay enclosed bill, and also for a duplicate order." Feb. 12, 1903: "We think very much of your Tendrils and think every Florist should try them."

AWARDED
CERTIFICATE OF MERIT
at the
Asheville Convention of the
S. A. F. and O. H.
Sample package of 100, by
mail prepaid, 60 cents.

H. THADEN & CO.

472 W. Hunter St., ATLANTA, GA.
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203 MERCER ST. NEW YORK.
GREENHOUSE BUILDERS
Hot Water Builders, Pipes, Fittings
Send Four Cents for Catalogue And Ventilating Apparatus

"Thripscide" (REGISTERED) Greenhouse Fumigating Powder

Is the newest and best article on the market to-day for the complete destruction of all insects that infest Greenhouses or Conservatories, being a special boon to Rose and Beauty growers and prepared particularly for the destruction of **Greenfly** and **Thrips**. There is nothing injurious in it to plant life, even the most delicate fern. It is especially recommended for Beauties, Roses, Carnations, Chrysanthemums, Lilies, Smilax, Asparagus, Palms, Ferns, etc., and we claim that insects will be entirely eradicated when the houses are thoroughly fumigated with the powder. It is put up as follows:

1 lb. Tin Can.....\$.25
5 lb. Tin Can.....1.00
25 lb. Sealed Box.....4.50
100 lb. Sealed Box.....16.50

Send for copy of testimonials. For reference we refer to Messrs. Bassett & Washburn, Hinsdale, Ill. Prepared by the Lilly-Lilly Chemical Co. and sold by

E. H. HUNT, 76-78 Wabash Ave., CHICAGO.

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Some Insecti-
cides are **Good**
others are **Better**
Nicotide is **Best**
for killing bugs.

Vapor or spray
The best way..

Of all Seedsmen.

MADE BY
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100 PER CENT. PROFIT
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SULPHO-TOBACCO SOAP
(PATENTED.)

KILLS ALL INSECT LIFE.

Fertilizes and Invigorates Flowers,
Plants, Shrubs, etc. Prices low.

WE HELP YOU SELL IT.

Full particulars and sample cake free,
if mention this paper.

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THE STANDARD,

The lightest running,
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ful Ventilating Machine
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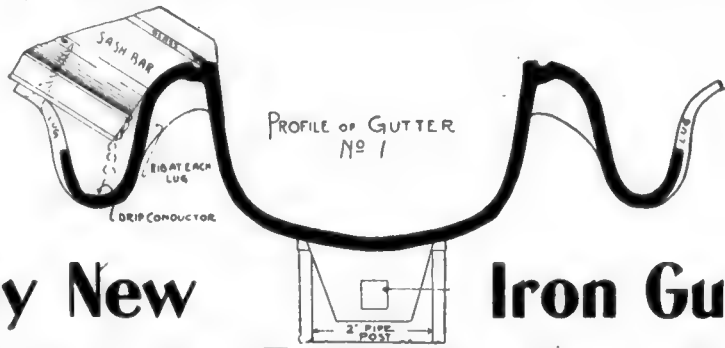
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Made of wrought or
cast iron, with self-ad-
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The only DRIP PROOF
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GREENHOUSE MATERIAL.

CYPRESS WOODWORK, TENNESSEE RED CEDAR POSTS,
PERFECTION LIFTING APPARATUS,
HINGES, PURLIN AND RIDGE SUPPORT FITTINGS AND OTHER
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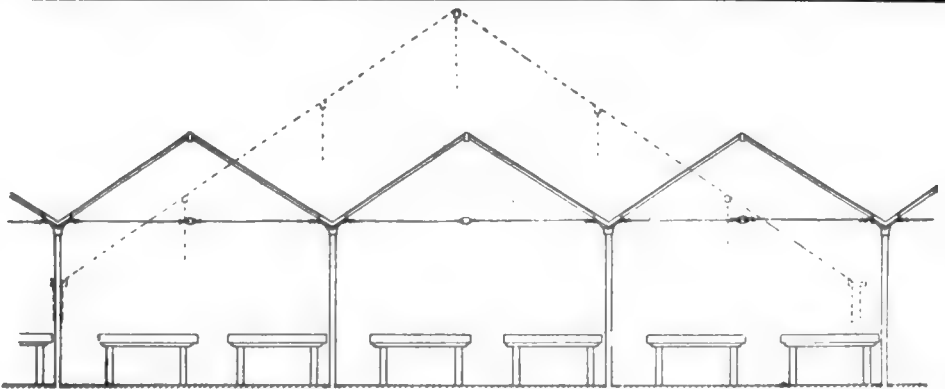
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G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

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INDEX TO ADVERTISERS.

This index covers only those having displayed advertisements. There is a host of others making offers in our classified ads. and they will be found there under their proper headings.

Allen, J. K.	324	Hammond, J. A.	324
Ambling, E. C.	319	Hancock, Geo. & Son	329
Aschmann, Godfrey	329	Hansen, C.	323
Baker, W. J.	323	Hauswirth, P. J.	328
Ball, C. D.	325	Heacock, Jos.	329
Barnard & Co.	309	Heiss, J. B.	329
Bassett & Washburn	326	Herr, A. M.	323
Bayersdorfer & Co.	326	Herrmann, A.	310
Beach, D. S.	339	Hicks & Crawbuck	325
Beckert, W. C.	331	Hill Co., E. G.	323
Beneke, J. J.	328	Hippard, E.	341
Bentley & Co.	326	Hitchings & Co.	340-42-44
Bentzen Floral Co.	329	Holton & Hunkel Co.	327
Berger, H. H. & Co.	310	Hunt, E. H.	326-41
Bernheimer, E.	323	Igoe Bros.	341
Berning, H. G.	327	Jacobs & Son	342
Bonnot Bros.	324	Jennings, E. B.	336
Bowe, M. A.	328	Johnson & Stokes	323
Bradshaw & Hartman	328	Joosten, C. H.	339
Brague, L. B.	325	Jurgens, Aug.	327
Brant & Noe	338	Kasting, W. F.	309
Breitmeyer's Sons	328	Kellogg, Geo. M.	323
Brod, J.	338	Kennicott Bros. Co.	309
Bruns, H. N.	326	Kramer & Son	344
Buckley Plant Co.	339	Kreshover, L. J.	325
Budlong, J. A.	326	Kroeschell Bros. Co.	343
Burpee, W. Atlee & Co.	321	Kuehn, C. A.	327
Caldwell Co., W. E.	342	Kuhl, Geo. A.	339-38
Caldwell The Woodsman Co.	323	Lager & Hurrell	339
California Carnation Co.	339	Lange, A.	328
Century Flower Shop	328	Larkin Soap Co.	341
Chicago Carnation Co.	309	Lecakes & Co., N.	325
Clarke Bros.	328	Limbach, C.	344
Clarke's Sons, David	328	Livingston Seed Co.	340
Classified Ads.	330	Loomis Floral Co.	338
Cottage Gardens	325-37	Lord & Burnham	344
Cowee, W. J.	326	Ludemann, F.	329
Crabb & Hunter	329	McConnell, Alex.	328
Critchella	339	McCullough's Sons	327
Crowl Fern Co.	325	McManus, James	324
Crooke Co., J. J.	341	McMorran & Co.	342
Cunningham, J. H.	339	Meehan, C. E.	338
Dearborn Engraving Co.	323	Michigan Cut Flower Exchange	327
Dickinson Co., Albert	321	Millang, C.	324
Dietsch, A. & Co.	341	Moninger Co., J. C.	343
Diller, Caskey & Co.	342	Moon Co., W. H.	320
Dillon, J. L.	336	Moore, Hentz & Nash	324
Dillon Greenhouse Mfg. Co.	344	Moss, Isaac H.	339
Dorner, F. & Sons Co.	327	Muno, John	326
Dreer, H. A.	338-344	Murphy, Wm.	327
Dunn & Co., C. A.	323	Nanz & Neuner	327
Dunne & Co.	310	National Florists' Board of Trade	325
Du Rie, W. B.	334	N. Y. Cut Flower Co.	324
Elkhardt, Mrs. Chas.	328	Niessen, Leo	323
Ellis, F. M.	327	Park Floral Co.	328
Fellouris, A. J.	310	Parker-Bruen Co.	343
Florists' Hall Asso.	341	Peacock, W. P.	339
Foley, J. J.	324	Pennock, S. S.	322-23
Foley Mfg. Co.	341	Perkins, J. J.	325
Foster, L. H.	336	Philadelphia Wholesale Flower Market	325
Fehr, A. G.	345	Pierce Co., F. O.	343
Garland, Geo. M.	344	Pierson Co., F. R.	309-10
Garland, Frank	326	Pierson-Sefton Co.	344
Gasser Co., J. M.	328	Pittsburg Cut Flower Co.	325
Geller, Sigmund	310	Pittsburg Rose & Carnation Co.	338
Getmore Box Factory	340	Poehlmann Bros.	326-36
Ghormley, W.	324	Pollworth Co.	340
Giblin & Co.	344	Quaker City Machine Works	344
Gibbons, H. W.	344	Randall, A. L.	326
Graham, H.	329	Rawlings, E. I.	324
Gude & Bro., A.	328	Rawson & Co.	321
Gullett & Sons	336	Rebstock, J. H.	321
Guttman, A. J.	325	Reed & Keller	310
		Regan Ptg. House	340
		Reld, Edw.	323
		Reinberg, Geo.	309-26
		Reinberg, P.	322-26-38
		Rice, M. & Co.	310
		Riedel & Spicer	324

Robinson & Co.	316	Thaden & Co., H.	340
Rock, W. L.	325	Thorburn, J. M. & Co.	341
Roehrs, Julius	340	Tobacco Warehouse	341
Rupp, J. F.	323	ing & Trading Co.	341
Ryerson, U. C.	340	Traendly & Schenck	325
Sampson, Wm.	325	Vesey, W. J. & M. S.	322
Sands, W. B.	328	Vincent, Jr. R. & Son	323
Schlegel & Fottler	321	Virgin, U. J.	328
Schultz, F. W. O.	310	Wagner Park Conservatories	339
Schuneman, G. T.	339	Weathered's Sons	342
Scollay, J. A.	344	Weber, F. O.	328
Scott, John	329	Weber & Sons	338
Scott, W.	328	Weiland, M.	328
Seattle Floral Co.	328	Weiland & Risch	328
Sheridan, W. F.	324	Whitton, S.	339
Shibley	328	Wiegand & Sons	328
Siebert, C. T.	341	Wietor Bros.	326
Siebrecht & Son	328	Williams Co., F. R.	323
Sievers & Boland	328	Winterson Co., E. F.	323
Sinner Bros	326	Witbold Co.	328
Skidelsky, S. S.	329	Wilks Mfg. Co.	342
Smith & Son, N.	339	Young, John	324
Smith Co., W. & T.	320	Young, J. W.	339
Sprague Smith Co.	344	Young & Nugent	324
Stern & Co., J.	310	Young Jr., W. J.	329
Stewart, S. B.	328	Zirngiebel, D.	329
Storrs & Harrison	329	Zvolanek, A. C.	310
Stumpp & Walter	321		
Swanson, Aug. S.	328		

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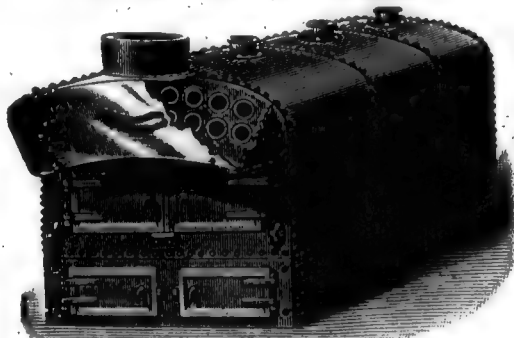
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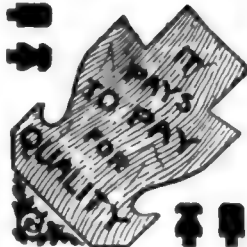
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Vol. XII.

CHICAGO AND NEW YORK, JULY 30, 1903.

No. 296.

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A PRACTICAL work on Carnation growing; complete in every particular including the full calendar of operations for the year, with chapters on Soils Fertilizers, Insects, Diseases, Heating. Each and every phase of commercial Carnation culture treated clearly and comprehensively. The book contains 290 large pages finely printed. It should be in the hands of every grower.

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Asters will soon be in their glory. A deep, rich soil is of course the main thing in their cultivation, but even with all this, if a hot, dry spell of a few weeks should come, they will suffer greatly, and water is their salvation. It is needless to say here that when I say a good soaking I mean it. A daily sprinkling, just enough to wet the surface, is, I think, worse than nothing for any plant. Give them a soaking once a week and hoe before the ground is baked, if there is room left to hoe. If the growth so covers the ground that you cannot hoe them there is no need of it, because the sun does not reach the soil. The dahlia is another plant that needs watering and a mulching of a few inches of manure will help to make the watering doubly beneficial.

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I regret to say that although we frequently syringed and before planting bathed our hollyhock plants in copper solution, they are still suffering from the dreadful fungus, which about ruins them, and yet you see these handsome stalks growing against the wall of some cottagers' gardens, healthy and vigorous. Yet we are not discouraged. We did not begin with the copper soon enough. This fall we will begin at birth, or directly after their seed leaves unfold. Now is a good time to sow the seed, whether you are going to winter them in a cold frame or in pots in a cool house. It is also a favorable time to sow many of the herbaceous plants. They will be large enough to winter in frame and plant out next spring.

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it's dry, but it wants only as much as is good for it.

Crimson Ramblers.

There are those who grow their forcing Crimson Ramblers under glass in pots from spring until midsummer, and by that time they have made as much growth as is desirable. If this is the case and you have three or four good, long canes, they should be moved out of doors, where they ripen up the wood. Plunge them and keep them well watered for another six weeks. They want no sudden ripening. It is not until October that you want to shorten up on water. Then you can withhold moisture, except enough to keep them from shriveling, because if kept wet and a warm spell should come on they will break at the eyes of the wood made this summer, and that you don't want. WILLIAM SCOTT.

THE ROSES OF OREGON.

Noticing the request of your Portland correspondent, that I give my impressions of roses and their development in Oregon, I herewith send you a few notes.

In the first place, it seems to me that climatic conditions are all that could be desired for growing the hybrid tea and hybrid perpetual varieties to perfection, and these conditions are not materially different from those in the more favored parts of England and central Germany, where roses grow and luxuriate most satisfactorily.

Having seen at Benjamin Cant's, in England, some of as fine La France as could be desired, I was quite surprised to find this famous old variety growing and blooming in our own northwest, even better than at Mr. Cant's or at any other place that I had visited in Europe.

Mr. Sibson, an English gentleman resident in Portland, has a crescent-shaped hedge of La France encircling the upper side of his rose garden, which for health, vigor, luxuriant foliage and fine flowers, excels all attempts that I have ever seen made at growing this charming variety. In this gentleman's garden are to be seen all the finest of the dark hybrid perpetual varieties—in fact Mr. Sibson succeeds in growing to almost perfection, varieties that require the greatest skill and care to do even moderately well in other favored locations. Here I saw growing Prince Camille de Rohan, La Rosiere, A. K. Williams, Souv. de Pierre Notting, Xavier Olibo, Louis Van Houtte, Earl of Dufferin, Horace Vernet, and other varieties of like character, sorts that do not thrive under any but the most favored conditions.

One thing is quite in evidence, and that is the standing of the varieties sent out by Alex. Dickson & Son, of Ireland. This firm's introductions seem to thrive amazingly well in Oregon, and quite as well in the state of Washington. Lady Helen Stuart, Marguerite Dickson, Earl of Dufferin, Helen Keller, Marchioness of Londonderry and Mrs. Sharman Crawford were ideal and I fancy quite as large and as good as in their own Irish home.

Mildred Grant, one of Dickson's latest hybrid tea varieties, was the rose sensation of the city during my stay. It was asserted that Liberty grew perfectly in the open and I am quite prepared to believe it, for I saw it growing well at F. Malmo's Nursery in Seattle, in the open ground.

As to tea roses, many of the varieties of this section do well and luxuriate, but my observation does not warrant the

belief that all of the teas would thrive there. I am inclined to think that the more tender-leaved varieties like Bride, Bridesmaid, Devonensis, Etoile de Lyon—varieties easily subject to mildew might not do so well, owing to the prevailing lower temperature at night. Varieties that do phenomenally well along the North Pacific coast are Pres. Carnot, Kaiserin Augusta Victoria, White La France, Duchess of Albany, Vicomtesse Folkestone, Mme. Abel Chatenay, Prince of Bulgarie and Ulrich Brunner. This last variety cannot be equaled as grown at Portland, by even the most skillful culture under glass in the eastern part of the United States.

A word about porch and climbing roses in this same section. Mme. Alfred Carriere is unquestionably the first on the list. This rose is a marvel and quite fills the ideal of a climbing variety, such a wealth of bloom and every flower perfect. One of the sights that I shall never forget, was the fine bush adorning the house of Frederick Holman, at Portland. A cut of this beautiful rose, reproduced from a photograph, gives only an imperfect idea of its loveliness.

The Fortune's Double, white and yellow, literally cover porch and wall, as well as their own foliage, with their great wealth of bloom. I can readily imagine that Gruss an Teplitz will be one of their most valuable additions when it gets disseminated; it should prove a fine pillar or porch variety.

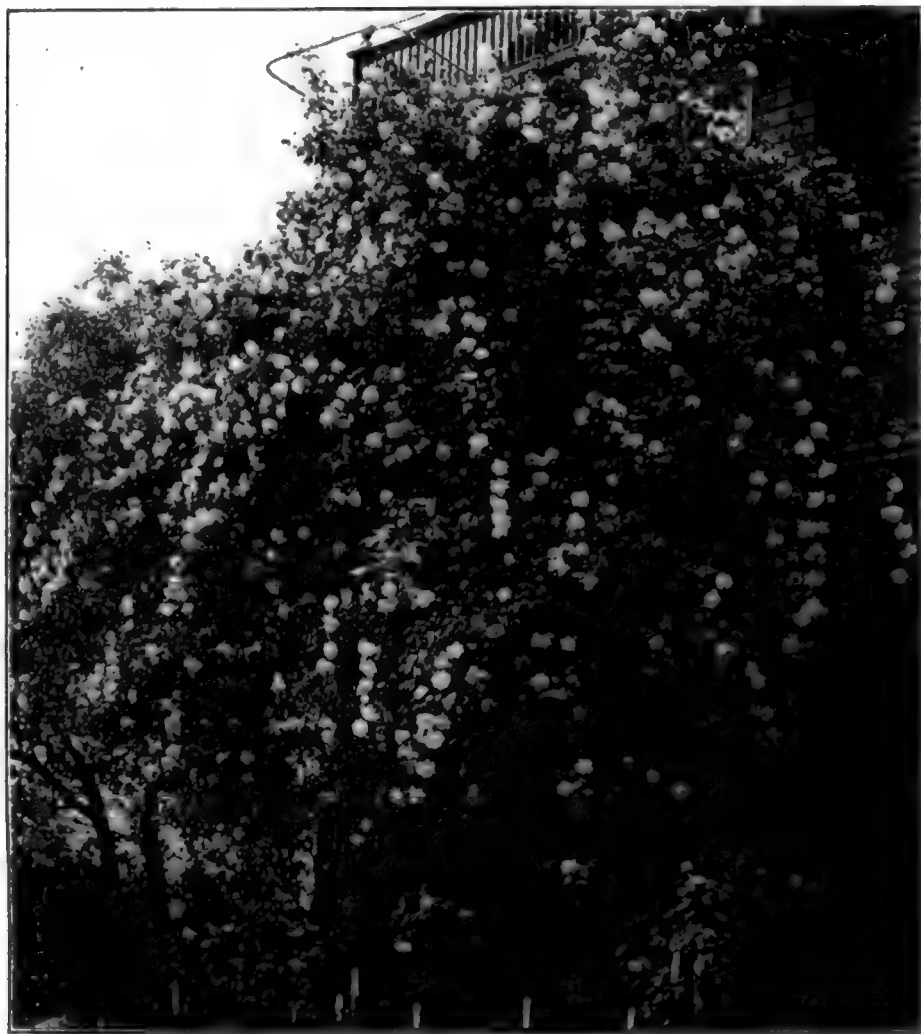
Mr. Holman, who is an amateur enthusiast, has one of the finest collections of roses in Portland and it is a great treat to have the pleasure of inspecting the large number of all the latest and best varieties. A great rose display is being planned in connection with the Lewis and Clark celebration in 1905; in fact, it is to be the main feature of the exposition.

It would be well if the florists could hold our national meeting in Portland at that time. It would give the profession a fine outing; they would see the finest rose blooms that America can produce; they could measure up the possibilities of our great and glorious country as in no other way. Let the itinerary be via the Northern Pacific, taking in the Yellowstone National Park, going; then journey up Puget Sound, taking in Tacoma, Seattle, Victoria and start home from Vancouver, B. C., over the Canadian Pacific railroad.

The views along the route baffle human speech to portray—nothing like it in all the world! A dozen Switzerlands could be rolled into the Canadian Rockies and the Selkirk range, and they would never be missed. The trip outlined would be historic in the lives of our membership, and it is not beyond realization financially—\$55 for the round trip is the excursion rate this year, from Chicago and return.

I am sure we would find a hearty welcome, for there are no more hospitable members than those residing on the Pacific slope, from Los Angeles on the south to Vancouver on the north. The writer is debtor to a host of florist friends; many kindnesses and courtesies received were among the pleasantest incidents of the journey.

E. G. HILL.



Mme. Alfred Carriere Rose at Portland, Ore.

(Photographed May 30, 1903, at home of Frederick V. Holman.)

MARIETTA, O.—Schramm Brothers have filed a petition in bankruptcy, with liabilities of \$7,000 and assets about \$5,000. The greenhouses were recently taken over by C. E. Tresch, who will continue the business.

ROSES.

Seasonable Hints.

During this warm weather, and while we are likely to have it comparatively dry also, is the proper season for repairing roofs, etc. A systematic and thorough going over now will save a lot of trouble and worry when the cold fall rains and frosts begin. If the work is left till September or later it cannot be done in such an efficient manner, as the wood is liable to absorb too much moisture to allow the putty or mastic to take a hold.

Where the roofs are old and the putty rotten, it is sometimes most profitable to strip out the glass, clean and paint the sash bars and reset. This involves a little more time and outlay than patching does, but if the work is done carefully the roof will be tight and dry for a year or two longer, and the better quality of the cut and the satisfaction obtained will amply compensate for the increased outlay, as there are few conditions which prove so unsatisfactory to a rose grower as a leaky and draughty roof.

Another and less expensive way to make an old roof tight is to run either mastic or soft putty along the sides of the glass, taking care to fill every crevice. Soft English putty, with an addition of one-fifth white lead and linseed oil and made thin enough to run easily from the putty bulb, makes an excellent and lasting job.

Particular care should be taken to see that the roofs are tight at the junction of roof and gutter, as this is where the cold air is most liable to pour in and create the conditions most favorable to the germination of mildew spores.

This class of work is tedious and if the weather is hot, very tiresome and trying, and requires patience and care, and it should be entrusted to none but careful and painstaking help. Painting and a general renovating, if necessary, should also be attended to while the weather is good. Alterations and repairing of piping, cleaning out boilers and putting fire boxes in working order should also have our attention. Ventilators also should be examined and readjusted if necessary.

Having everything in good working order before the cold weather commences, will simplify the work and reduce it to the usual winter routine without friction.

RIBES.

CARNATION NOTES—EAST.

Culture Under Glass.

As soon as your plants are established and all shade removed, your attention will be directed towards their culture under glass. Any attempt at the production of flowers should be put aside for some time if a variety is to be shown at its best during the period when most in demand. The object of early housing is to produce that condition in the plants whereby they will readily respond to demands made upon them during the winter months; consequently we must handle them in such a way that no waste of energy will occur, but rather that more be added.

In my notes of June 18 my ideas on size of plants were given. I will further state that a plant of this size in completing its growth in the bench gets so firmly established by blooming time, also gath-

ers unto itself such a supply of energy, that it is far ahead of one of the same size housed a month or six weeks later. By the same size is meant one taken from the field equal to the size to which the earlier housed one has grown.

The check received in lifting has the effect of inducing buds to form before the shoots have attained a desirable length and to allow these buds to develop into blooms, which are practically worthless, is not consistent with the saving of energy. On the other hand the cutting back of shoots before the buds have attained a fair size will result in a check and a cluster of weak shoots. So then, to obtain the best results we must plan this operation to hit upon the happy medium.

Go over the beds twice a week, topping only those shoots on which the buds have reached a diameter of three-eighths of an inch, and do not top more than two shoots on a plant at one time. In about a month, once a week will answer until finally, as the blooming time draws near and the stems grow longer, the operation will cease.

Each variety must be studied as to its inclination in producing long shoots, also judgment must be used by each grower in meeting his particular needs. Following this system of topping is conducive to the continuous blooming quality so much desired, while the topping of every shoot on a plant at one time produces an opposite effect.

Supports of any kind are best left off for some time yet, as free access to the soil should be had in keeping it broken up. Care must be taken not to disturb the roots by cultivating too deep-

ly. Any plants showing the least sign of stem-rot should be removed, together with a good amount of soil around them. We pot a quantity of each variety in 5 or 6-inch pots, for use in replanting any losses. This maintains an even stand of plants, which always looks better and pays better than to allow any vacant spots in the bench.

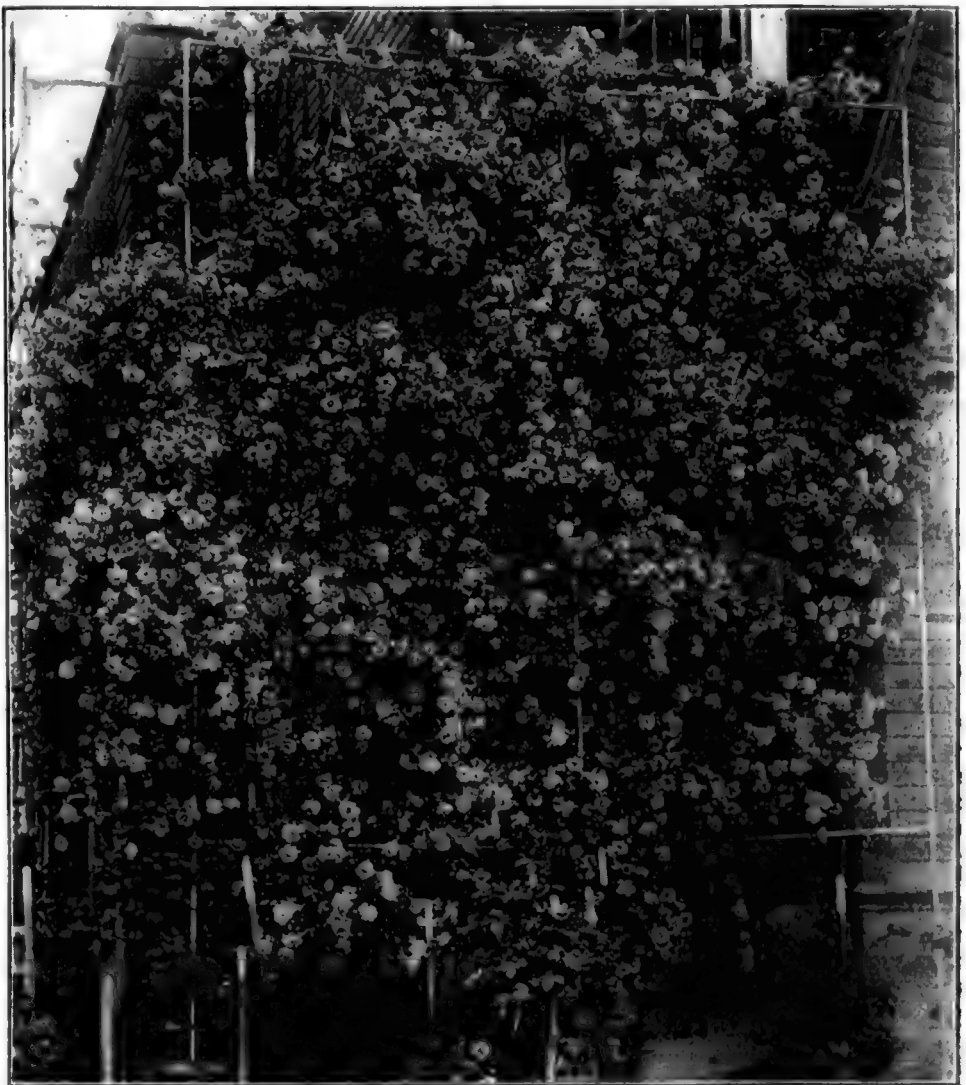
GEO. S. OSBORN.

CARNATION NOTES—WEST.

Syringing in the House.

The question of how much to syringe the newly planted carnations, and how long to keep it up, is of great importance. You should strive to keep your plants in good shape, with just as little syringing as possible and each time you syringe you should use just as little water as you can and do the work well. Mr. Osborn said correctly last week that you should not shoot the water straight at the plants. Throw it up as high as the roof will allow, in a fine spray, and let it come down in the shape of a mist. In that way the plants will get the benefit of it and the soil will gradually dry out enough so that it can be stirred after a few days, and it should be done just as soon as it is dry enough. Keeping the soil on the dry side promotes root action, and the plants should be watered rather sparingly for a few weeks, but you must not allow them to suffer.

I find that the third and fourth days are usually the most trying on the plants. After the second day the vitality stored up in the plant is usually pretty



Fortune's Double Yellow Rose at Portland, Ore.

(Photographed May 30, 1903, at home of Frederick V. Holman.)

well used up and the roots, having not yet taken hold, are made to supply the plant with nourishment. So it is up to you to keep the plant fresh by syringing. Frequent light syringings are most effective then. If you get them through the first four days without much wilting you can usually count on good success. After that time you should gradually diminish your syringing as rapidly as the plants will stand it, always noting carefully that they do not suffer for want of it.

By the end of a week they will usually be able to get along with only one or two sprayings a day, and then is when you should begin to take off shade. Take off about a third at first and if the plants do not suffer in a couple of days take off another third, and at the end of a week you can remove it all. If a rain should happen along about the time you want to begin reducing the shade and it washes it all off, don't make the mistake of thinking that it saved you the job of taking the shade off. Many a fine lot of plants has been almost ruined in that way. The sun comes out after the rain as strong as ever and the plants are unable to bear it. You should at once put back a light shade and then take that off as the plants become accustomed to the light.

Watering in the Field.

I read with interest the article written by Mr. Lambert, which appeared in last week's issue. He does not agree with my repeated assertions that frequent cultivation is in most cases preferable to watering carnations in the field. He also says that frequent watering or excessive rains will not cause stem-rot but rather that the composition of the soil causes it, etc. Now, as far as the stem-rot is concerned, every carnation grower knows that he loses many times as many plants from stem-rot in a wet season as he does in a dry one, and this alone will prove that excessive rains or over-watering will bring it on. I do not claim that the water makes the fungus or rot, but we know that so long as the common form of stem-rot is kept dry it remains inactive, but when it becomes moist it becomes active, hence frequent moistening will be apt to start it into activity, while only an occasional wetting may not be enough to do so.

This stem-rot, however, is of far less

importance than is the condition the growth of your plants will be in at lifting time. If you set out good plants early in May they will make fair-sized plants by planting time, unless the season is exceptionally dry, and in such case a few good soakings will do more good than frequent sprinklings. In a moderately dry season the plants will be well matured and will stand replanting without much suffering, whereas in case of frequent watering or rains the growth will be soft and transplanting will cause much suffering. Frequent cultivating allows the moisture to come up and the soil does not become so hot that it will burn the plants, as it will do when allowed to bake.

But if it is large plants that you want, or blooms in the field, then by all means supply them with plenty of water.

A. F. J. BAUR.

NOVELTIES FOR 1904.

F. Dorner & Sons Co., Lafayette, Ind., will distribute two white seedlings next year, Lady Bountiful and The Belle. The former is described as a high-grade commercial variety; large, pure white, fragrant, a good grower, stem long and wiry; said to be an exceptional keeper and shipper; early, free and easy to propagate. As to The Belle, the originators say it is the earliest white yet found among their seedlings, "phenomenally so, and not lacking in freedom. It is bound to supplant that popular variety, Flora Hill."

The Chicago Carnation Company is to distribute two Lawson seedlings this season. Crusader is a scarlet which is said to do a number of things other carnations cannot be induced to do, among which is blooming continuously ten months in the year. It is from Lawson and Crane, color of the latter, size of the former. It has good habits, including tolerance as to temperature, which will commend it for trial to those who cannot afford to grow a whole house of a new variety. Reliance is white, a seedling of Mrs. Higinbotham and a white sport of Lawson. It has the habit of Lawson, although the foliage is finer and the stem more wiry. It needs 52 to 55 degrees to do its best. Mr. Hartshorne says that if it were not that they expect to have their hands full in dissemin-

nating Fiancee in 1904-5 they would not send these two out this season, believing that it would pay them better to grow them for cut blooms another year.

CARNATIONS REGISTERED.

George E. Buxton, Nashua, N. H., registers Marion Buxton, a seedling of 1900 and the result of a cross between Flora Hill and Wm. Scott; color a soft shade of pink similar to Mrs. James Dean; bloom three to three and one-half inches in diameter, borne on stiff stems averaging eighteen inches in length; very prolific and a good keeper.

Fred Dorner & Sons Co., Lafayette, Ind., registers The Belle; color pure white; size three to three and one-half inches; form rounding, petals well arranged and fine finish; stem twenty-four inches and over, stiff and straight; fragrance spicy and very strong; calyx perfect; a splendid keeper; strong, clean, healthy, upright growth; makes a quick growth and a well formed plant; blooming qualities of the best; the earliest of all white carnations, very free and continuous; one of the easiest to propagate.

ALBERT M. HERR, Secretary.

HELP FOR TORNADO SUFFERER.

We note in the REVIEW in regard to the misfortunes of Mr. Schweitzer, of Mendota, Ill. We will ship him fifty field-grown carnation plants, white or pink, or fifty Golden Gate roses, 4-inch stock, or will send same value in greenhouse or bedding plants, such as geraniums, cannas, begonias, coleus, etc. Please ascertain as soon as you can which he wishes, so we can reserve the stock for him until he wishes it shipped.

JOS. BANCROFT & SON.

Cedar Falls, Ia.

WOOD LICE.

I am about to change the soil in my greenhouse for my new carnations. The benches need repairing and I thought you would advise me how to best fight a certain species of wood louse which persists in climbing into the beds. I have been using Paris green and flour but it does not seem to accomplish much. I thought you would possibly advise me as to some preparation I could use in strewing around the empty beds. I think I am right in calling these insects wood lice. They curl up into a perfect ball as soon as molested. Is tar useful in preserving benches?

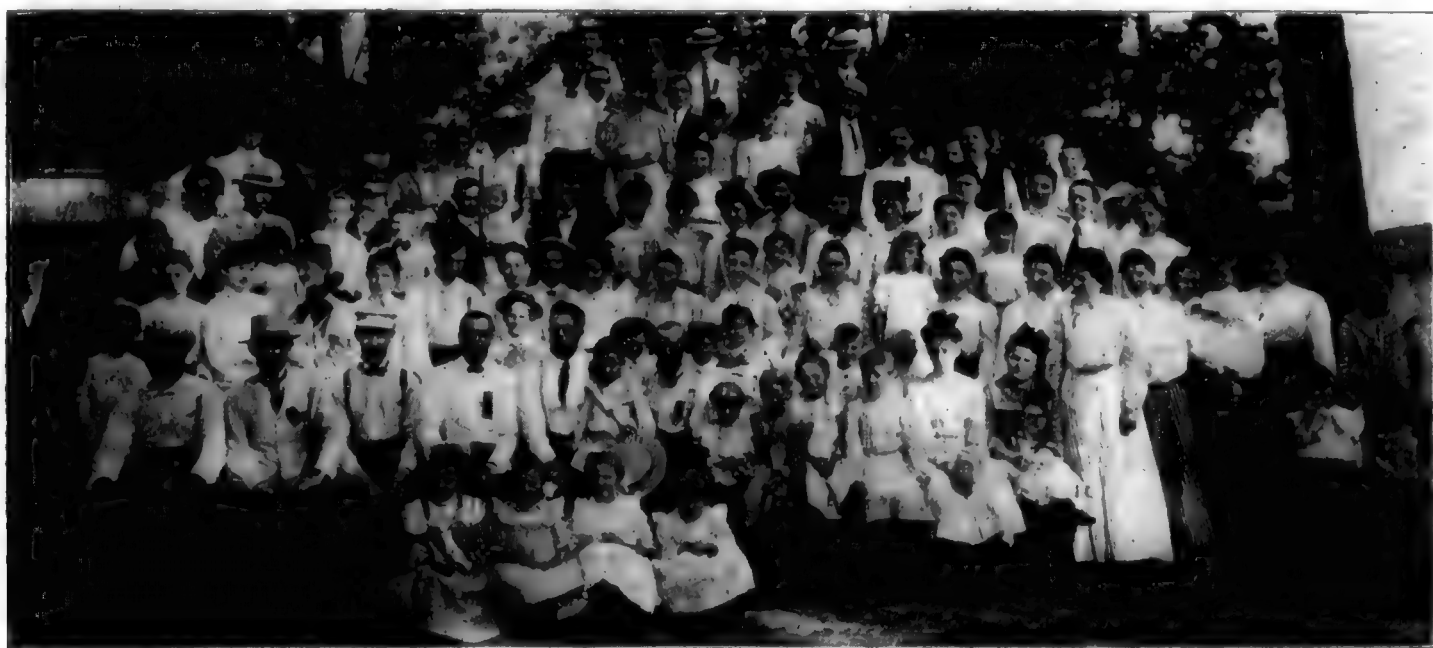
W. F. B.

The wood lice you complain of are one of the worst pests we have to get rid of and, although there are several ways to fight them, yet I know of no method by which you can rid your place of them at a single blow, as it were. The louse is a chewer and the most effective way is to poison him. We mix sugar and Paris green and lay it around on the edge boards and wherever he is most likely to find it, and invariably find a lot of dead ones the next morning. By repeated applications you may be able to rid your place of them, but it will take a long time to do it. Change off from sugar to corn meal occasionally. They are very fond of raw potatoes, and by cutting the potatoes in halves and slightly hollowing them and laying them around, the cut side down, the lice will congregate under them and you can catch and destroy a good many that way. A hot



H. Schweitzer's Place at Mendota after Tornado, July 17.

(Mr. Schweitzer and Family. Greenhouses Completely Destroyed.)



St. Louis Florists' Club on its Annual Picnic, July 23, 1903.

lime wash on the benches will destroy those that it comes in contact with, but that will not be many, and a fumigating with sulphur will only destroy those that are out and exposed.

We have had no experience with tar on greenhouse benches, and so I could not say whether it would be injurious to the plants or not, but I imagine that the odor which arises from it as soon as it gets warm would do the plants no good. The fact that it is not used has led me to think that there must be some such objection to it, as it is one of the best wood preservatives I know of. Carnations and violets especially would take up the odor and become unsalable. I have been told that lettuce grown on benches that were tarred will taste of it.

A. F. J. BAUR.

A LITTLE WHITE FLY.

S. W. writes, "Can you tell me of anything that will destroy a little white fly? They swarm in thousands on pelargoniums, fuchsias and cucumbers."

As the cucumbers are associated with the greenhouse plants, it is to be presumed they are all under glass. Tobacco smoke has doubtless been tried and found wanting. Then the hydrocyanic gas will most assuredly kill them. I noticed the other day that someone quoted the old formula in the use of this gas, which necessitates the opening of the sash in half an hour. As this has to be done from the outside, it is often most awkward, and then, again, the five ounces of cyanide to 1,000 cubic feet of air space is pretty strong and I have seen it burn several different plants.

A safe and easily applied formula is five ounces of cyanide of potassium, one quart of sulphuric acid and one quart of water. Mix the sulphuric acid and water in a gallon butter jar. If the jar is even larger, so much the better. In a few minutes drop in your little parcel of cyanide done up in two thicknesses of paper, so that the acid does not reach it too quickly. Use this quantity for 2,000 cubic feet of air space in your house and keep the house closed all night. I have used this repeatedly and hurt nothing but the fly. Don't linger over the jar after you have dropped in the cyanide; remove all favorite cats and canaries and let the rats and mice take care of themselves.

WILLIAM SCOTT.

"VIOLET CULTURE."

There is a sentiment connected with the violet which causes nearly every owner of a greenhouse to be not thoroughly contented until he has had his little experience at its culture. Hence "Commercial Violet Culture," by B. T. Galloway, is now in its second edition. In the preface Dr. Galloway says: "Since the first edition of this little work was written, four years ago, there have been some changes in the methods of growing violets for market. The writer has seen a number of formerly successful growers go out of the business and others without any previous experience succeed astonishingly. This leads us to repeat what was stated in our first preface, namely, that because so many people fail with this crop we believe it is one of the most promising for the intelligent and energetic man to take up. In this edition we have made certain changes which experience has taught us and offer it with thanks for the kind reception given the first work."

The book endeavors to give every necessary detail for handling the soil, erection of houses and frames, the management of the plants, and the marketing of the flowers. It is eminently practical and exact in all its advice and admonitions and in the closing chapters the author seeks to show what is wisest for the beginner, what it costs to grow a violet plant and what such a plant under fair conditions should yield. The publishers are the De La Mare Co., but the book will be sent postpaid by the REVIEW to those who send \$1.50 with their order.

CONVENTION PROGRAM.

The nineteenth convention of the Society of American Florists will, according to the preliminary program just issued, be called to order at Milwaukee, Tuesday afternoon, August 18, at 3 o'clock. The session will be devoted to an address of welcome by Mayor Rose, President Burton's address and the reports of officers and standing committees. The president's reception will take place Tuesday evening.

Wednesday morning the judges will report on the trade exhibition and R. F. Tesson, of St. Louis, will open a discussion of systems of accounts for green-

houses and forms for determining cost of production. F. W. Taylor will speak on the interests of the trade in the St. Louis World's Fair. The next meeting place will be selected at this session and officers will be nominated.

On Wednesday afternoon the bowling tournament will take place at the Olympia alleys, on Second street, near Grand avenue. The ladies will be taken for a trolley ride. Wednesday evening will be devoted to a lecture by C. B. Whitnall, on planting home grounds, illustrated with the stereopticon.

Thursday morning Alex McConnell, of New York, will open a discussion on "Modern Methods in Floral Decoration" and several essays will be read, the essayists yet to be announced. The election of officers takes place at this session and there are two propositions for consideration to amend the constitution. The gunners' contest takes place in the afternoon and in the evening W. R. Beattie, of the U. S. Department of Agriculture will discuss "Substitutes for Coal and Their Comparative Efficiency." J. D. Carmody will speak on "The Humorous Side of the Florists' Business."

Friday, August 21, will be given over to entertainment at the hands of the Milwaukee Florists' Club.

During the week several of the kindred societies will meet. The American Carnation Society directors will convene Wednesday evening. The Florists' Hall Association meets Thursday at 3 p. m.

Robert Kift, of Philadelphia, has been appointed sergeant-at-arms.

CULTURE AND THE CATALOGUE.

A. Dessert, of Chenonceaux, France, sends out a catalogue of peonies in which he gives brief cultural hints of much value and adopts the somewhat unique practice of printing the matter in French and English in parallel columns. While his English is not always English as we are accustomed to hear her "spoke," yet it is good advertising and worth reading. As an assurance of safety to distant purchasers he says: "Peonies carefully packed up in boxes with moss can endure during there is not vegetation (from September to February) the longest journeys without any harm." And to gain early orders he remarks that "as soon as the young buds are fully developed, it is necessary to carry them by fast train;

we therefore engage our purchasers not to wait this time to send their orders."

As to culture it is stated that "no garden should be without peonies, as everyone can grow them, being perfectly hardy and of very easy culture; they succeed in any ordinary garden soil, where there is not too much humidity; the deep, cool and very pervious grounds are the best. To get the greatest development, we counsel, before planting, to dig the ground deeply (15 to 18 inches) and to add rich old manure before planting and every year on the autumn (the new dung are harmful).

"The months of September and October are the most favorable for the plantation of peonies. But they can be planted with success from September to February. Tree peonies must be planted as deeply as they were in nursery; as for herbaceous peonies, the buds must be covered with three or four inches of soil. It is also necessary to garnish the roots with very light soil and to water after the plantation, if the earth is dry.

"They succeed in all situations, but flowers keep better and longer their freshness when they are to a partly shaded place. When they are exposed to the sun, we can guarantee them in covering with

ment. The plans for floriculture are elaborate and the detailed directions for storing fruits are such as could only have been prepared at much care and expense.

It is stated that a hall of large seating capacity is being built adjacent to the palace of horticulture which is to be at the service of all organizations which may accept invitations to meet there during the life of the exposition. There is also to be a hotel upon the exposition grounds for the accommodation of convention visitors and those in charge of exhibits.

PHILADELPHIA.

The Market.

The cut flower market continues active for summer. The choice flowers are rather scarce and more could be used. Another Beauty grower, John Burton, has begun cutting flowers from his Queen street place, where his son, George Burton, has been earning an enviable reputation as a clever grower. Leo Niessen handles the cut of this place. Asters are finer and more plentiful, just in the nick of time, for carnations are

abominably scarce. Sweet peas have taken on a new lease of life, as W. P. Peacock, of Atco, the great dahlia grower, is sending in quantities of these blooms to S. S. Pennock. How is it done? A little bird says it is late planting and irrigating.

The Hail Storm.

Last week's hail storm has become a matter of history. Twenty or more places lost some glass and had stock damaged, while one firm suffered very severely. The damage inflicted was chiefly in West Philadelphia and in Lansdowne, though a number of places in both districts escaped injury. Single thick glass was smashed far more readily than double thick. A few of the losers were insured, but unfortunately most of them were not.

One bright spot in this dark page was the splendid way in which the Chestnut Hill firms who escaped injury—John Burton, Myers & Samtman and Edwin Lonsdale—pitched in and helped their less fortunate friends in West Philadelphia to reglaze the shattered houses. Some men from each place were at it the very next day. Truly this is a city of brotherly love.

Riverton.

The Henry A. Dreer Company has recently finished an exceptionally heavy shipping season for all kinds of foliage plants and perennials, as well as for the general line of soft-wooded plants so popular in spring time. Since then the entire place has had its annual overhauling, every plant being cared for, and all rubbish removed from the houses, to say nothing of the work done outside. It is hardly possible to realize the enormous amount of work entailed by this thorough house-cleaning without a visit to Riverton. That this work is so well and quickly done reflects great credit on the system and push of those in charge. To me a visit to this place is an inspiration; the possibilities of our business appear broader, the difficulties to surmount smaller after an afternoon spent with Mr. Eisele and Mr. Clark in looking over what they have accomplished.

The new range of Dietsch houses, short span, open between, first occupied by azaleas, are now entirely filled with large imported kentias in from 6-inch to 14-inch pots. The larger sizes of this



Soldiers' Monument and Grand Avenue Boulevard, Milwaukee.

light cloths; the flowers protected thus acquire a freshness and delicacy of tint very remarkable and the flowering season is prolonged.

"Peonies do not want frequent waterings; it is sufficient to water them copiously when the ground is dry. It is chiefly during the great heat of the months of July and August, that it is necessary not to let them suffer of the dryness, for at this time buds form which must assure the flowering for the following year."

ST. LOUIS WORLD'S FAIR.

Frederick W. Taylor, chief of the department of horticulture, has just issued a World's Fair circular of forty pages which should be in the hands of every one interested in any branch of the trade. It will be sent free of charge upon request. While written primarily to interest exhibitors, the pamphlet contains much of value in other ways, and shows the broad scope of the exposition and the liberal policy of the manage-



Lake Scene in Washington Park, Milwaukee.



Dreer's Gold Medal Exhibit of *Pandanus Sanderi* at the Quinquennial Exhibition at Ghent, Belgium.

palm are said to be scarce, both in this country and abroad. It was thought good policy to grow on an extra quantity of these plants for the fall decorative business. Fully three-quarters of the plants in this range are suitable for decorations where material of good size is necessary. All the plants appear in thrifty condition and are filling out nicely. It is expected that the range will be filled with azaleas again next winter.

Some idea can be formed of the amount of business necessary to carry out this plan when it is added that there are two and a half acres in kentias alone. There are about 7,000 azaleas planted in peat outside in frames. These plants are growing vigorously and should make even finer plants than those imported in the fall. It is interesting to note that while the peat in which they are now planted is found to give good results when used for the fall potting, it is necessary to have a fresh supply when preparing the frames for next spring's planting.

The rate at which the demand for hardy phlox has increased is remarkable. Some years ago a few, a thousand or so, I think, was quite enough to meet all requirements. This season no less than 125,000 of these hardy perennials are being planted out for stock, there being 53,000 in one bed alone. Two varieties of special merit were pointed out by Mr. Eisele. One of these, an intense cherry red, is *Von Hochberg*. This is new and will be sent out next spring. The other is not new, although little known, having been in cultivation for four or five years. Its name is *F. C. Von Lassburg*. In size and in purity it is a decided improvement on *Pearl*, the leading white variety. These fields of phlox were a show in themselves, even after the heavy rains.

Returning to the houses, bench after bench of kentias, arecas and latanias were passed, all clean and vigorous. One table of *Cocos Weddeliana*, in 3-inch pots, was "reserved" for growing into three-foot specimens. A pretty sight was a row of specimen plants of *Cocos flexuosa*, five or six feet high, considered more decorative than any other palm in commerce.

In 1889 the first plant of *Pandanus Sanderi* made its appearance. That plant died, but fortunately a single cutting survived from it. This cutting was the

parent of the plants, somewhere in the neighborhood of a thousand, brought over from England by Mr. Eisele in the spring of 1901. So rapid has been the increase under Mr. Clark's skillful management that today there are 11,000 plants, all told, of this variety, filling seven houses. It will be distributed next October and already the advance orders are far in excess of expectations. While no one size is all engaged, it is more than probable that there will not be enough to satisfy everyone next fall. It is gratifying to find that the enterprise displayed in securing this great novelty is appreciated by our florists. An experiment made with a plant of *Pandanus Sanderi* in a dwelling, under unfavorable conditions, where it endured extremes of heat and cold, wet and drought, proved the plant to have remarkable endurance, the plant being not a whit the worse today for its trials.

There are two new varieties of asparagus of promise. One was shown by John Thatcher before the Pennsylvania Horticultural Society two years ago. It is believed to be a hybrid of *A. plumosus nanus*, *A. deflexus* (?) and *A. tenuissimus*, the latter being the seed parent. Its peculiarity is that it never climbs, a plant in a 12-inch pan being as dwarf as small plants of the parent variety. This should be a great acquisition for table ferneries. The other variety can be found in limited quantities in England. It is very beautiful, described as an aristocratic *Sprengeri*. Nota Bene H. B.

Pennisetum macrophyllum is a red-leaved grass that it is believed has a great future as a bedding plant. It is of robust habit, a free grower and very graceful. It appears to grow from two and a half to three feet high. It would make a fine edging for a bed of tall, green-leaved cannas or an effective center for a bed of *Coleus Verschaffeltii*. In fact, its rich color would enhance a variety of effects in bed or border.

Pteris Childsii is said to be to the great family *Pteris* what *Farleyense* is to the family *Adiantum*; a choice variety that cannot be propagated from seed.

A very pretty bench was formed of strap-leaved fancy caladiums in small pots, each variety by itself. The colors were pretty and distinct. The leading varieties were Mrs. Oliver Ames, Countess of Warwick, L'Ami Schwartz and

Undullatum. Time and space alone prevents the description of many other interesting features of this fine place.

Notes.

Edward Reid has been receiving nice Brides and Maids from Anderson, of Lansdowne. His cut last week was 4,800 of good quality.

A. B. Davis & Son, Purcellville, Va., have been sending some nice Ethel Crocker to the Flower Market.

C. A. Dunn and Charles Edgar spent two days up the state. Allentown, Bethlehem and Easton were among the towns visited. They were much pleased with their visits to the growers' places.

John Schoepfle, of Chicago, was a visitor lately. He visited the Flower Market and several of the plant growers' places. He also went to Atlantic City and had a fine time.

H. Bayersdorfer & Co. are preparing to make a great exhibit at the Milwaukee convention.

M. Rice has just returned from his vacation.

There is a new grower out at Hatboro. Eugene Weiss, tired of the summer calm of his city store, has taken command of his rose growing forces in person. The result, according to the Flower Market people who handle his stock, was surprising—a new lease of life taken on by the roses, so to speak.

Henry F. Michell is away on his vacation.

Eugene Bernheimer is handling lots of gladioli.

Correction.—Through an error last week I stated that it was understood that Myers & Samtman would not plant Edgely this summer. This is a mistake, as the Chestnut Hill firm have planted three large houses with Queen of Edgely.

Robert Craig & Son are rapidly clearing up the damage done to their place by the fierce hail storm.

Fred J. Michell is going to the convention.

H. Kleinhans, of Easton, has a fine house, 300x40 feet. A front bench planted with Mrs. Lawson was looking well.

W. E. McKissick has returned to his post with renewed energy.

Fred Berger has been enjoying a well earned vacation in Washington.

C. A. Dunn & Co. have their new ice box in position. It is 12 feet long, 8 feet high and 8 feet deep, with two compartments each for ice and flowers.

The latter are nicely fitted up with adjustable shelves. The box was made by the Thackara Refrigerator Co. and presents a very imposing appearance. With this improvement the firm have about completed their home preparations for the coming campaign.

C. & G. L. Pennock are beginning to cut from several varieties of roses on their large place at Lansdowne.

The Flower Market was able to secure some cattleyas, quite a rarity at this season, for a special order this week.

R. T. Evans, of Salt Lake City, Utah, was a visitor lately.

Wm. Munro is hard at work getting the young stock on his new place at Lansdowne into shape.

Chas. W. Cox is sending La France to S. S. Pennock. PHIL.

A CANNA EXHIBITION.

The Florists' Club of Philadelphia is to hold an exhibition of cannas in connection with its August meeting, and the committee in charge of the exhibits invite all who have new and meritorious cannas to forward them prepaid by express in care of David Rust, Horticultural Hall, Broad street, Philadelphia, Pa., to reach destination not later than Tuesday afternoon, August 4, when they will receive careful and proper attention. EDWIN LONSDALE, Sec'y.

ST. LOUIS.

The Market.

Business conditions remain unchanged. There is still a fair demand for good stock, which is hard to obtain in this market at present. There seems to be plenty of poor stock in roses and carnations. The best of the roses are Liberty and Kaiserin. Brides and Bridesmaids, as a rule, are very poor. A few fairly good Beauties from young stock are seen. Carnations are of poor quality, and unless fancy they meet with slow demand. Whites are an exception, as they are required for funeral work and any grade can be used for this when stock is scarce. Asters are improving in quality and quantity. The best call is for the large Semple white. Good purple and pink are also in some demand. Tuberose and gladiolus stalks are selling well for window decorations. Sweet peas are over. The greens market is in a healthy state, and plenty of everything that is needed.

Florists' Picnic.

The St. Louis florists had a most enjoyable time last Thursday at their picnic held in Priester's Park. The weather could not have been better and 150 florists, including their families, enjoyed a most pleasant day, all acclaiming this year's picnic the best the club has yet given. Our suburban members were well represented with their families, as were also the wholesalers.

The Jubilee singers, who have always furnished one of the attractions at our outings, again entertained the members with singing and made delightful music for the dancing, which was kept up until 10 o'clock. The arrangement committee, consisting of John Steidel, Charles Juengel and F. M. Ellis, assisted by Fred Ammann, F. C. Weber, J. W. Dunford and J. J. Beneke, had everything in readiness for the games at 2 o'clock. The first event was a 50-yard race for little girls, for which there were twelve en-

tries. Alma Ammann was the winner and the prize a handsome pearl necklace. No. 2 was a 75-yard race for boys under 14 years. Five young florists entered for this race, the winner being Julius Beneke, Jr., and the prize a handsome pocket knife. No. 3 was a 50-yard race for young ladies. There were ten starters and Miss L. Meinhardt won the six linen handkerchiefs. Young Sabher won the 100-yard dash, the prize being a gold watch charm. The fifth event was a hopping race of 25 yards for married ladies, nine ladies taking part. Mrs. F. M. Ellis won by five yards, the prize being a fine table ornament. In the 25-yard jumping race for married men, ten taking part, Mr. Schadegger, of Kirkwood, proved the best jumper and won a silver-mounted cane. Little Jessie Sanders won a fine fan for being the fastest eater in the eating contest for little girls, six taking part. O. K. Sanders and C. Curndet won the three-legged race, each receiving a pair of suspenders. Six little fellows entered a walking match for boys under 10 years. A. Steidel was first, winning a hammock. Charlie Kuehn, Jr., was second and Wilfret Beneke third.

Next came the event of the day, the tug of war by two teams captained by Fred Ammann and Max Herzog, referees F. C. Weber and John Steidel. After a hard pull of some twenty minutes Captain Ammann's side won with the following florists: W. J. Pilcher, J. W. Dunford, A. Schadegger, J. J. Beneke, E. W. Guy, C. J. Juengel and H. Gross. The prize was a box of cigars, which the winning team generously divided with the losers. The ladies' bowling contest came next. This was won by Miss M. Meinhardt, making 50 in five frames. Mrs. Menke was second with 47 and Mrs. F. C. Weber third with 46. The prize was a fine silk umbrella. Twenty-four ladies took part in the bowling. In the gentlemen's bowling match, Dr. A. S. Halstedt was high man, making 102 in five frames; E. W. Guy, second, 97, and W. J. Pilcher, third, 81. The prize was a fine florist's knife. The winner of this match will be at Milwaukee, so look out for him. The bowling matches were in charge of Fred C. Weber. All the events passed off pleasantly and everybody was well pleased with the results. After supper each enjoyed himself at his favorite pastime—fishing, bowling, boating, shooting or dancing. At 10 o'clock nearly everybody left for home and all expressed themselves as having had a good time. Let us hope that we may all meet again next year.

Various Notes.

Pat Quinn and F. J. Fillmore had quite a talk on old times at the picnic. They were joined by your correspondent and F. C. Weber, all products of Jordan's in those good old days of 1873.

Fred C. Weber left Saturday for French Lick Springs, to be gone ten days for his health. Fred will return in time to go with the St. Louis delegation to Milwaukee.

Fred Ostertag was married in Belleville last week. Dr. A. S. Halstedt and sister Mary witnessed the ceremony. This is Fred's second venture and we wish him luck.

Fred Foster had a painful operation performed last week from which he is much improved and will be able to be about soon.

It has been decided by the transportation committee that the St. Louis dele-

gation to Milwaukee will leave here on Sunday night, August 16, over the Wabash special and arrive in Chicago Monday morning. The round trip to Milwaukee will be \$13.40, with stop-over at Chicago coming and going.

Mr. Juengel is very busy now rounding up new members for the S. A. F. and getting the names of those who are going to attend the convention. He now has thirty-one names on his list, but will not stop at that. Anyone who has not yet sent in his name and wants to take advantage of the low rate and the club's special car should send his name to Mr. Juengel before the next meeting of the club, August 13. This meeting will be held at Mr. Jablonsky's place at Wellston. At this meeting the election of officers will be held and the final arrangements for the Milwaukee trip will be made. Convention matters will be the topic of the meeting. Mr. Jablonsky is making big preparations to entertain the brothers and looks for the largest attendance on record. Quite a number of new applications will be filed as a result of the picnic.

Carl Beyer left this week for a ten days' trip down the Tennessee river. Carl will return in time to make the Milwaukee trip, as he is one of our crack bowlers and we need him on the team. The boys have about put the finishing work in order, so the chances are that both Carl and Robert will be with us.

Our suburban members who will attend the convention are Mr. and Mrs. J. W. Dunford, Mr. and Mrs. John Steidel, E. W. Guy, Fred Ammann, Dr. Halstedt, Adolph Fehr and Max Herzog, and a few others may be added to this list by next week.

Bowling.

The extremely hot night last Monday kept many of the bowlers away, Fred Weber and Carl Beyer being out of the city. Charlie Kuehn had to quit bowling after the first game, owing to a very sore finger on his bowling hand. The scores were as follows:

Player—	1st.	2d.	3d.	T'l.	Av.
J. J. Beneke.....	214	198	178	590	197
E. W. Guy.....	168	142	167	477	159
Theo. Miller.....	175	145	131	451	150
C. C. Halstedt.....	153	133	156	442	147
Fred Weber, Jr.....	120	202	...	322	161
A. S. Halstedt.....	93	112	...	205	102
C. H. Kuehn.....	164	...	...	164	164

The loaded ball question was discussed by some of the bowlers and it was decided not to use any loaded ball at Milwaukee and it is hoped that the National Florists' Bowling Association will not allow other clubs to use them. We would like to hear from other clubs on the loaded ball question, and especially from the different captains.

J. J. B.

NEW YORK.

Convention Matters.

Convention talk is heard on all sides now that the great annual festivity is only three weeks away. It is a pleasure to realize that we shall see old friends again and combine business with the best kind of recreation. These yearly inspirations become more and more attractive as their number increases and with hardly an exception the memory of them is a delight. The desire for Pullman accommodation is sufficient to assure the use of a special and those who intend occupying a lower berth cannot send in their names too quickly to Walter Sheridan. For the "summer widowers," the old bachelors and the fellows who don't take their wives along, an upper berth

is quite good enough and better than most of them deserve. The West Shore has sent out a very seductive circular letter to every florist within 100 miles of New York that ought to swell the attendance from this center to at least 100. The east should march into the Cream City 500 strong, and by the east I mean Baltimore, Washington, Philadelphia, Boston and New York, with the suburban cities that are near them. This would mean a total of 1,500, at least, at Milwaukee, and I know Vice-President Pollworth is anticipating a 2,000 record. With the Chicago invasion on Friday included, these figures are likely to be exceeded.

The scheme to add to the number of bowling prizes is commendable and the opportunity for all to immortalize themselves by sending special prize offers for the contest to C. C. Pollworth is now open. Those who desire to do so can write him immediately what they will offer and the announcement of these generous donations will be given in our later issues. The following prizes in addition to the regular premiums are needed in the individual games, open to all who do not take part in the team contests: Prizes for the first, second, third, fourth and fifth highest scores; special prize for most strikes; special prize for most spares; special prize to every man who bowls over 200; a prize to every man who bowls over 175. For the great team contests a special prize for highest score, prize for every man bowling over 200, prize for largest number of strikes, special prizes for the six members of the winning team. These added honors will greatly increase the general interest and reduce the tendency to "rattles" and cause such an interest as will make the bowling contest what it should be, the athletic event of the year among horticulturists.

As to the business end of this convention, it promises to eclipse all past achievements. Nearly every wholesale house of prominence from the east will make an exhibit, some of them extensive. One firm has already arranged to send a carload, which will indicate how greatly is appreciated the opportunity to demonstrate to the west the ability and willingness of their eastern brethren to assist them in supplying the growing markets of their wonderful territory.

Various Notes.

Mr. Ward, of Hagemann & Co., returned Sunday from Europe, having visited Germany, France, Belgium and Holland in the interests of his firm. His brother, C. Wayne Ward, and J. H. Thomas, of the office force, are spending "time and money" for a couple of weeks at Atlantic City.

Geo. M. Stumpp, of the Stumpp & Walter Co., returned Monday from Bermuda with many interesting stories of his experiences in the land of the lily, the potato and the onion. He had Mrs. Stumpp and Mr. and Mrs. Lee, of Henry & Lee, as companions and combined business and pleasure to his evident benefit.

W. H. Gunther and family are at Far Rockaway for the summer, and his brother, J. J., is at Rockaway Beach. One can "rock away" a good deal of violet profits at these charming resorts, but it pays to do so.

Mr. Trumpp, of J. H. Small & Sons, leaves for his three weeks' "carouse" with his family at the Pyramid Lake House in the Adirondacks. From the way he

ran at the outing a few weeks ago this rest seems hardly necessary.

Miss Mabel Crowther, stenographer for C. F. Meyer, will leave shortly for a three weeks' rebuilding in the ozone of these delicious mountains.

Arthur Merritt, of Small's, has had two weeks' recuperation as usual with his family, and Mr. Hunter, of the same firm, takes his turn August 15.

Sam Kirkpatrick, bookkeeper for Walter Sheridan, is adding a thousand pleasant experiences to his life, at the Thousand Islands.

M. A. Bowe and family are at Holland for the season. Few have imagined that the rotund and happy personality of the popular Broadway retailer was a Dutchman. Mr. Bowe had an artistic 7-foot easel for the forty-second anniversary of Franks, leader of the Metropolitan Orchestra, last week that was worth "100 bones." It was made of Meteors, with wide red, white and blue ribbons, the donors' names embossed on the ribbons.

Frank Traendly and family are at their home in Connecticut for the summer.

George Saltford leaves next week for a long recuperation in the Adirondacks. He has been ill for several weeks from ptomaine poisoning, a temperature of 106.

THE tenor of dispatches from nearly every section of the country indicates that there is less than the customary mid-summer dullness, and collections are more promptly met than usual.—R. G. Dun & Co.'s weekly review of trade.

STOCK market disturbances affect sentiment, but do not conceal improvement in the corn and cotton crops. There is a cheerful feeling in western and southwestern trade circles.—Bradstreet's trade review.

degrees for a time indicating the closeness of his call. But he is on deck again and will be ready for the violets in the fall.

The estate of John W. Scallen is paying 40 cents on the dollar in settlement of claims, and a goodly number of the wholesale florists are on the list, some of them quite extensively.

Miss Dowd, bookkeeper for Charles Millang, leaves for her annual trip to the mountains about the middle of August. Mr. Millang has prepared his entire conservatory for the reception and use of Arthur Cowee's gladioli. He handles 1,000 bunches of asters a day and is receiving some fine longiflorum lilies, for which he realized 12 cents on Monday.

On August 1 Miss Josie Reilly, bookkeeper for J. K. Allen, begins her annual outing at Old Orchard Beach, Me. Last week and this J. K. is imbibing fresh air and health, taking in the pleasure resorts around this city, and their name is legion, and will soon proceed with his family to the Mannetah Hotel at Glen Orroko, Pa., in the heart of the Alleghenies.

Reed & Keller have added the manufacture of basket work to their already diversified line of florists' supplies. The factory is located at 146 to 148 W. 25th street, office and salesroom as before at 122 W. 25th street. In basket work they will pay particular attention to special

designs, the same as they have heretofore done with wire work, etc.

L. J. Kreshover and wife leave shortly for a three weeks' well earned pleasure at Liberty, N. Y., the Blue Mountain House at Shohola and Atlantic City.

The wholesalers have begun their annual painting and repairing. Mr. Ghormley is just completing a large and original ice box with visions of violets as its foundation and facilities to handle several millions of them if necessary.

The early closing movement does not materialize very rapidly amongst the retailers. Before they wake to its necessity it will be all over and the "demnition grind" of long hours will be upon us again. It pays to give the boys a chance these long, hot days and the good effects of liberal consideration will come back to employers with interest when the strenuous days begin again.

J. AUSTIN SHAW.

LOUISVILLE, KY.

Business the past week has been all that could be expected; lots of funeral work and white flowers are becoming scarce, owing to the dry spell we are having. All things considered the month of July was a good one for the florist. Roses are coming in very small. Asters are making their appearance. All that is just now needed is a good rain, which would help outdoor stuff considerably.

Some of the florists here have housed their Lawson carnations.

Jacob Schulz has moved into his new store at 641 Fourth avenue and it makes a beautiful appearance. He is adding to the rear of his store a 100-foot greenhouse.

Jos. Coenen & Co. have one bench of Lawson carnations and one of Murphy's White growing under glass, which are looking very promising.

E. G. Reimers is rebuilding four houses at his place on Baxter avenue.

Henry Fuchs is putting up a greenhouse, 32x100, for chrysanthemums.

Sam. Pontrich, of Twenty-eighth and Greenwood avenue, is adding three more houses to his place.

Mrs. T. B. Rudy and daughter, Violet, are spending the summer at Carrollton, Ky.

Mrs. John Bohrman is spending the summer with relatives in Illinois.

William Walker and his bride are spending their honeymoon in Scotland.

William Mann leaves in a few days to spend the rest of the summer at Atlantic City.

The next meeting of the Kentucky Society of Florists will be held at Riverside Park and a full attendance is expected.

HY. LICHTFELD.

TACOMA, WASH.

The retail flower and seed store, 916 Second avenue, for the past ten years operated by Malmo & Co., has been sold to the Pacific Seed & Floral Co., under the management of A. L. Aabling and J. Anthon, who have had long and extensive business experience in the same line. C. Malmo, under the firm name of Malmo & Co., retains the extensive wholesale business and mailing trade, together with the warehouses, nurseries and greenhouses on the corner of East Pike and Broadway, to which place the main office, as well as the mailing department, is now moved.

PLANT your adv. in the REVIEW if you want a crop of business.

CHICAGO.

The Market.

Trade is good, but the same can hardly be said of stock. There is some fair material coming in, but not enough so that it is an easy matter to fill orders. Beauties are in good demand, but very scarce. Brides and Maids are poor, except some small stock from new plants. Liberty is seldom seen, but Meteor is fairly plentiful. Kaiserin is the best rose and Golden Gate probably the most plentiful.

Carnations are plentiful one day and scarce the next. On Monday the best whites brought as high as \$2; Tuesday they could not all be sold at any price and on Wednesday the hold-overs went to the Greeks, while good stock was again in demand. And so it goes. Good asters are not plentiful and poor ones sell cheap. Auratums continue the showy flower for funeral work and window decorations. Sweet peas are still plentiful and gladioli are in all the wholesale houses. Greens are abundant, especially asparagus, but Sprenger is popular.

Various Notes.

J. A. Budlong is building a stack which is thought to set a new mark for greenhouse chimneys. It is to be 125 feet high, with a seven-foot flue. It will require 100,000 bricks, weighing two tons to the thousand and stands on a concrete foundation 12x14x3. Completed it will cost over \$1,000, and is to take care of boilers aggregating 800 horse-power, which is what will be needed when the property is all covered with glass, which will probably be next year.

C. M. Dickinson returned yesterday from his Wisconsin fishing trip.

Louis Gresenz, of Bassett & Washburn's, will start on his vacation Saturday, visiting relatives in Wisconsin, accompanied by Mrs. Gresenz.

A. Simmons, the retailer at Sixty-third and Wentworth, is at Danville this week, quelling race riots with the Seventh regiment.

Wietor Bros. are fortunate in having a good crop of Beauties of good length and good quality just when the market is short; they sell at first-class prices.

George M. Garland says that he has had a good season in the gutter business in spite of some unfavorable conditions, such as labor troubles and high prices for iron. He notes that there is less rebuilding than usual this year, but is pleased that the fall in pig iron gives him a chance to quote favorable prices for late buyers.

L. Coatsworth has returned from a visit to the Benthey & Co. establishment at New Castle and reports the roses looking fine. The stock is practically all two and some of it three years old, and the oldest Beauty plants are the best lookers. They will begin cutting next week. Liberty also promises well. The asters, however, have suffered because the clay soil holds the water.

A. Lange and family are at Mt. Clemens for a three-weeks' outing.

Miss Linna Hutchinson and Edson Haas, of Austin, will marry August 5 and go east for a honeymoon of two or three weeks.

There was a large amount of funeral work at the obsequies of Inspector Shea on Sunday, but the mistake was made of delivering most of it too early, and it was a sorry looking lot by the time for the services, for the weather was warm

and all stock soft. A. Lange had some pieces which were delivered only a couple of hours before the services and looked well.

The committee on S. A. F. entertainments has concluded to do its "turn" Friday evening, August 21.

It does one good to listen to John Mangel; there's none of the pessimist about him. He says business is good, plenty of funeral work, and the looks of the place bears him out. He is an exception to the general rule in that he keeps his windows filled with the best stock on the market.

Andrew Miller calls on his friends in the trade occasionally. He is now conductor on a Santa Fe Pullman running to California.

There is beginning to be some apprehension as to results with the aster crop, for everybody has them by the acre and there is a possibility that they may not realize as much money as the growers hoped when they put in the seed, as was the case with the full tide of the sweet pea crop. However, some of the fields show all the ills the aster is heir to, and the supply of good flowers may still prove too small.

Nic Kruchten is sending some of the best carnations coming to town, mostly Flora Hill.

Fresh paint is now in order, before the S. A. F. visitors get here. Winterson's and Poehlmann's have had their signs out.

The Flower Growers' Company is investing over \$400 in an icebox adequate to any possible needs.

F. Beu is rebuilding a 125-foot house. It has been a good season with him.

Mrs. C. Schaffer is cutting some very good Kaiserins.

Visitors:—F. D. Rennison, Waterloo, Ia.; J. B. Baker, Fort Worth, Tex.; Miss Rentz, daughter of J. W. Rentz, Peru, Ind.; F. A. Baller, Bloomington, Ill.

PITTSBURG.

The Market.

Business last week was somewhat better than for some time, and some good stock is still to be had. Beauties are fine for this time and so are Kaiserins. Asters are more plentiful and supply a long-felt want. Carnations are scarce, especially white; the outdoor carnations are not blooming and this causes the shortage. A heavy demand for funeral work all last week kept the florists busy trying to secure sufficient good stock to take care of their orders.

Death of Frederick Dillemath.

Thursday evening, July 23, Frederick Dillemath, construction foreman and a director of the Pittsburgh Rose and Carnation Co., at Bakerstown, and a brother-in-law of Fred Burki, was drowned in a reservoir on the farm. Mr. Dillemath went to the pumping house for the purpose of pumping water into the tank. Something appeared to be wrong with the intake pipes leading from the pond, and in making an investigation as to the cause of the stoppage of water, it appears that he fell into the pond and was drowned. Mr. Dillemath was a very successful man in all his undertakings. He was in the best of health and full of vigor. His sudden demise will be much felt by his partners and employees, who respected him highly.

Mr. Dillemath leaves a wife, one daughter and three sons, one of whom

is Harry Dillemath, with Jno. H. Dunlop, Toronto, Ontario. We extend our sympathy to the family and to Mr. Burki.

Notes.

Patrick Maier is cutting quantities of well-grown summer roses; his Kaiserins are exceptionally fine.

W. L. Campbell, one of our largest gladioli growers in this vicinity, is right in it this season with early blooms, which brought him good returns.

Miss E. B. Maxwell has returned from her vacation.

Arthur Langhans, Wheeling, is on his annual eastern trip buying fall novelties.

John Baldinger has returned from Buffalo.

The next meeting of the Florists' Club is to be held August 4, when final arrangements will be made for the trip to Milwaukee. The transportation committee report that a large attendance will be present from this city.

Hoo-Hoo.

GRAND RAPIDS.

The Market.

The weather has been warm, with cool nights, often so cool as to mildew the roses. Business has kept up very satisfactorily. While the cut of carnations is growing continually less, still, as the growers have thrown out but very few plants, it is still of good size and at times not equal to the demand. Roses have been scarce and unobtainable right along; prices are about the same as last reported.

Notes.

Most of the florists are behind with planting; too much to see to, too much building, too much repairing and rebuilding.

Cross has all his violet houses planted. Schols has planted nothing but violets this year.

Crabb & Hunter have three of their new range of houses glazed and planted, two to roses and one to violets. They have had considerable trouble with getting a water supply. After sinking a well and finding no supply, they tapped the lake, 1,750 feet off; after numerous adventures they at last got a first-class crib sunk in seven and one-half feet of clear water, when along came a boat and put that crib through the propeller wheel, chewed it all up, the greedy thing; but the boat was seized with a fit of indigestion and laid up for repairs.

Mulick Bros., so report has it, want to sell out and locate in Greenville, this state.

Cunningham is hurrying his new houses along as fast as he can. His dwelling house is ready for occupancy. When he vacates his present quarters, near John Ball park, the owners, Schmidt Bros., are going to run it themselves. They will grow geraniums, lettuce and cucumbers.

Floral Co. has not yet planted, but is rebuilding the two narrow houses into one large house, as they consider it better than a small one for violets.

Bruinslot & Sons have five 100-foot houses built on their new place and have them almost glazed.

Henry Smith is rebuilding the houses destroyed by fire. He is discarding three small boilers and replacing them with larger ones.

Freyling & Mendals are rebuilding

"Green Goods"

ASPARAGUS PLUMOSUS, long, heavy strings. SPRENGERI, SMILAX, GALAX. All cut flowers in season.

We have a fairly large supply of Roses, as good as could be expected at this season of the year.

"Right Goods at Right Prices." Let us have your order.

E. C. AMLING,

The Largest, Best Equipped and Most Centrally Located
Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St., Chicago, Ill.
Long Distance Telephones 1909 and 1977 Central.

AMERICAN BEAUTY,		Per doz.
20-inch stem.....		\$1.25
15-inch stem.....		1.00
12-inch stem.....		.75
Short stem.....		\$4.00 to \$5.00 per 100
		Per 100
Brides and Maids.....		\$3.00 to \$5.00
Meteors and Gates.....		3.00 to 5.00
Kaisersins.....		3.00 to 8.00
Carnations.....		1.00 to 2.00
Asters.....		1.00 to 2.00
Auratum Lilies, per doz., \$1.25 to \$1.50		
Gladioli.....		3.00 to 4.00
Valley.....		4.00
Marguerites.....		.40 to .50
Asparagus, per string, 25 to 50c.		
Asparagus Sprengeri.....		2.00 to 5.00
Ferns...per 1000, \$1.00.....		.15
Galax.....		1.50......15
Adiantum.....		.75 to 1.00
Smilax.....per doz., \$1.25		8.00

Subject to change without notice.

their entire Wealthy avenue front, with an office at the corner. They are using the Dietsch system of gutter and narrow houses, 2-inch pipe supports about seven feet high. It is the first attempt to use this system.

Chadwick is rebuilding and overhauling some of his plant.

Judging from the way the boys are talking about the convention, there will be a whole bunch go from here.

G. F. C.

WANT ADVERTISEMENTS.

Advertisements under this head one cent a word, cash with order. Plant advertisements NOT admitted under this head.

Every subscriber is entitled to a free situation wanted or help wanted advertisement not exceeding 35 words in any one issue during the year. If the advertisement exceeds 35 words, send at the rate of one cent for each additional word.

When answers are to be addressed in our care, add 10 cents for forwarding.

SITUATION WANTED—An experienced salesman and designer open for engagement on or before Aug. 1st: first-class store only. State wages. Address No. 145, care Florists' Review, Chicago.

WANTED—For a commercial place a competent and reliable florist, married man. Address J. J. Bencke, 1220 Olive St., St. Louis, Mo.

WANTED—3-inch boiler tubes. H. S. Baker, Warsaw, N. Y.

WANTED—A good florist for general greenhouse work; steady position; good wages; single man preferred; place open now. Address Jas. C. Murray, 403 Main St., Peoria, Ill.

WANTED—Seedsmen for store work and market gardeners trade; fine opening for a young, energetic man; don't want a traveling man. Address No. 144, care Florists' Review, Chicago.

WANTED—FLORIST-FIREMAN—Good reliable man for night fireman on large place. Steam. Must be willing to turn a hand to potting, propagating and general greenhouse work in the mild months. W. H. Gullett & Sons, Lincoln, Ill.

WANTED—Competent store man. Must be able to decorate and make up. \$6 a month. References. Central Greenhouses, Sandusky, O.

WANTED—Position as traveller for a first-class horticultural firm in any line or as foreman. Years of experience. Best of reference. Jas. Vick's Sons, Vick & Hill Co. and others. Address A. F. Vick, Barnards, N. Y.

WANTED—Three experienced rose growers who know their business and will work to merit advancement. Good salary paid if ability is shown. Poehlmann Bros. Company, Morton Grove, Cook Co., Ill.

WANTED—Good worker as assistant: general greenhouse work; \$25.00 per month, board and room to start. C. W. Keller, Woodmere Mich.

WANTED—A sober and reliable florist one who is experienced in pot plants; no others need apply. Oeschlin Bros., 1888 W. Madison St., Chicago.

WANTED PARTNER—The writer wishes to correspond with an energetic young man, one who has executive ability and thorough knowledge of the growing of plants and cut flowers and who can furnish some capital to join advertiser in developing a first-class opportunity. We have a beautiful store, well equipped and doing good business and wish to increase the growing end of business. Address No. 142, care Florists' Review, Chicago.

FOR SALE—Well stocked greenhouse; 5000 ft. glass good town of 4000 in central Illinois; only house in town; two rail ads—north and south, east and west. Write to No. 141, care Florists' Review, Chicago.

FOR SALE—1000 feet of greenhouses with a beautiful store attached and with living rooms well equipped above. Steam heated, located in a fine residence section of one of our largest northern cities. Has a well established trade both in cut flowers and plants. A young pushing American of German descent would step into a lucrative business. Price of land and buildings, \$15 000.00—a bargain! For further particulars address No. 143, care Florists' Review, Chicago.

SITUATION WANTED—By competent garden-er, 15 years' experience with hardy and greenhouse plants. Address 71 Bartlett street, Roxbury, Mass.

SITUATION WANTED—By man well posted in seed, bulb and plant mail trade, correspondence and catalogue work. Address No. 138, care Florists' Review, Chicago.

SITUATION WANTED—German florist, grow-er of roses, carnations bedding stock, palms and ferns etc., wants a good steady private place, Aug. or Sept. Married 40 years old no children. Address No. 131, Florists' Review, Chicago.

SITUATION WANTED—By an American, single, strictly temperate, as manager or working foreman on up-to-date place. First-class designer and decorator; one year manager present place; at liberty Sept. 15; California position preferred; state particulars; references exchanged; understands keeping books. Address No. 136, care Florists' Review, Chicago.

WANTED—Two or three men for carnations and roses. Bassett & Washburn, Hinsdale, Ill.

WANTED—Young man with some experience in general greenhouse work. Permanent place and good wages paid. Address No. 123, care Florists' Review, Chicago.

FOR SALE—About 3,100 feet of 2-in. pipe in first-class condition, 7c per foot, f. o. b. H. B. Lee, Bedford, O.

FOR SALE—Two boilers, one cast iron, one water tube, in good order, for 2500 and 4000 ft. of glass respectively. \$50.00 each. Dann & Son, Westfield, N. Y.

FOR SALE—Greenhouse property, about 4000 ft. glass, well stocked, everything up-to-date, close to the finest cemetery in eastern Ohio. For particulars call or address W. S. Taggart, St. Clairsville, Ohio.

FOR SALE—Greenhouses: northwestern Illinois; town of 400; two large lots, sloping south; three greenhouses and stock; city water; drilled well; fruit; six room residence. Established trade, two railroads. Send for particulars. No. 137, care Florists' Review, Chicago.

FOR SALE—Cheap for cash, second-hand 4-in. cast iron pipe and fittings. Good condition. Address Cole Bros., Box 577, Peoria, Ill.

FOR SALE—Pair of first-class tubular steam boilers, 10 feet long, 36-inch diameter, in first-class condition with heavy full blast iron fronts. Grates and all appurtenances and belongings, f. o. b., \$250, if taken at once. Aug. S. Swanson, St. Paul, Minn.

FOR SALE—Greenhouse property, 3 1/2 acres extra good land, near street car line, 1,800 ft. glass, new home, barn, etc. Good chance for wholesale plant. Coal 25c per ton and plenty of it. Will be sold on easy payments. G. L. Tyler, Du Bois, Pa.

FOR SALE—The Florence Greenhouses, nearly 3000 feet of glass; completely stocked with general line of plants; good stock of supplies. Good stock hardy plants outside. Hot water heat; splendid trade; best town in Colorado; no competition. \$1000 cash takes it. Worth \$3000. Immediate possession. Templin & Co., Florence, Colo.

FOR SALE.

Three greenhouses (built 8 years), each 128x18, well heated, hot water system by tubular return flue boiler; one and one-half acres of land and good dwelling house; in the village of Corfu, N. Y.; 25 miles west of the city of Buffalo; three minutes walk from station of New York Central R. R. Apply to

Wm. JEFFORDS, Corfu, N. Y.

....FOR SALE..

Gorton side feed steam boiler, No. 138 (largest size) for hard coal, in good condition, used only two winters. Robt. M. Schultz, the extensive and well known florist of Madison, N. J. testifies that a No. 137 (one size smaller) heated for him 15,000 sq ft. of glass, keeping up a night temperature of 65 degrees and gave entire satisfaction. Other users certify to the efficiency of these boilers. Price \$200 f. o. b.

WM. B. Sands, Lake Roland, Baltimore, Md.

FIXTURES FOR SALE.

Store fixtures complete, consisting of refrigerator 8x6x8 feet, plate glass front 5x6, plate glass doors, box made to order after original design, desk with mirror 5x6 feet, mantel shelf with mirror 5x6 feet, all glass and mirrors beveled plate, counter table 10x4 feet, plant table 8x8 feet, zinc lined, other shelving and fixtures all made to order of select birch, stained mahogany; cost \$80.00, used six months; will sell at \$50.00. Address

AUGUST S. SWANSON, St. Paul, Minn.



S. A. F. CONVENTION.

I will take charge of the exhibition of your goods at the S. A. F. Convention to be held at Milwaukee in August. Will give them good and faithful care and take orders if desired. Correspondence solicited. I refer by permission to The Florists' Review, The Chicago Carnation Co., Joliet, Ill., and The Joliet National Bank of Joliet, Ill. Address—

C. E. FINLEY, JOLIET, ILL.

Mention the Review when you write.

NURSERY NEWS.

AMERICAN ASSOCIATION OF NURSERYMEN.

Pres., N. W. Hale, Knoxville, Tenn.; Vice-Pres., F. A. Weber, St. Louis; Sec'y, Geo. C. Seager, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-eighth annual convention will be held at Atlanta, Ga., June, 1904.

THE American Park and Outdoor Art Association now has a membership of 705.

E. Albertson, of Albertson & Hobbs, Bridgeport, Ind., is on a ten days' western business trip.

THE West Michigan Nursery Co, Eau Claire, Mich., is preparing to harvest a crop of 5,000 bushels of peaches.

W. F. Heikes, of the Huntsville Wholesale Nursery, Huntsville, Ala., is at Bay View, Mich., on a vacation.

B. E. Gage, of the Peterson Nursery, Chicago, is visiting the gardeners and planters at the summer resorts in Michigan and Wisconsin.

The annual meeting of the Southern Nurserymen's Association will be held at Winchester, Tenn., August 19. There will be a free side trip to the nurseries at Huntsville, Ala.

THE Boston board of park commissioners has adopted a rule, under the act to regulate bill boards, that no such advertisements may be displayed within 500 feet of any park or parkway.

THE twenty-seventh annual meeting of the Georgia State Horticultural Society will be held at Athens, August 3 and 4. There will be a large exhibition. The Southern Express Company each year extends the courtesy of free transportation of exhibits.

CINCINNATI.

The Market.

Business is holding out very well; in fact, much better than we have ever had at this time of the year. There is some big funeral work and as stock is cheap there is good money in it for the retailer.

Roses, if anything, are scarcer than last week; but the quality is improving; still the greater portion of all roses are seconds and thirds. There are still no red roses. There is a very good demand for Beauties but it is impossible to raise the price, owing to the poor quality. There are, however, some good Kaisersins.

Carnations are almost out of the market. There are so few coming in that it is impossible to take an order with any certainty of filling it. There is a heavy call for white and the price on any that could be called fair has been forced up until they almost reach winter quotations. Field grown ones will be coming pretty soon and they will help matters. The supply of asters is still limited and the quality poor. Miscellaneous stock sells well for funeral work. The demand for ferns has been so great that the wholesale houses have their troubles keeping a supply on hand.

Club Picnic.

July 23 was the florists' annual outing and the committee could not have picked out a better day. Coney Island

has plenty of shade and the recent rains had freshened up everything. There were between 250 and 300 in the party. The ride of twenty miles on the big river steamers is worth the price of tickets alone. Besides the many attractions on the island there were several contests, the winners of which were as follows: Quoit pitching for men, Rob Murphy and Ed Murphy, first prize; Ben George and Geo. Hemming second. The ladies' quoit pitching contest was very exciting and on the last game of 10 points the score stood 9 to 9, but Mrs. Konzelman won the next point and Mrs. Gus Adrian was second.

In the base ball game the teams were well matched, the score being 17 to 18. After the dust had settled it was found that Allan's team had made the winning run in the last half of the last inning. Frank Deller's team, though defeated, was not disgraced.

Mr. Dudley, of Parkersburg, W. Va., was a visitor. C. J. OHMER.

NEW ORLEANS.

Horticultural Society Doings.

The New Orleans Horticultural Society held its annual meeting and election of officers July 16. Joseph Steckler was chosen president, succeeding C. R. Panter. Richard Eichling was made vice-president, succeeding D. A. Chopin. Dan Newsham was elected secretary and John Eblen treasurer, succeeding themselves, the latter having held his office for nineteen years. Communications were read, business of importance transacted and an enjoyable supper served to the many members present. J. D. Preussner, of Galveston, was a visitor.

During the session many matters of importance came up, including the extension of the list of honorary members. H. M. Derr and Harry Elwell were elected to active membership. The treasurer reported \$84.51 on hand with total resources of \$684.51. J. A. Newsham and E. Valdejo were appointed to represent the society at the meeting of the Central Commission of Parks and Avenues.

During the meeting Secretary Newsham distributed circulars announcing the society's plans regarding the flower show, which will begin during the Carnival of 1904. The following committee has the work in charge: P. Abele, chairman; C. R. Panter, ex-officio; E. Valdejo, H. Papworth, J. Steckler, P. A. Chopin, J. A. Newsham, M. M. Lapouyade, J. St. Mard, C. Eble, D. Newsham. There is a liberal and well arranged premium list.

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Seed Trade News.

AMERICAN SEED TRADE ASSOCIATION.

Pres., S. F. Willard, Wethersfield, Conn.; First Vice-Pres., J. Chas. McCullough, Cincinnati, O.; Sec'y and Treas., C. E. Kendel, Cleveland, O. The 27th annual meeting will be held at St. Louis, Mo., June, 1904.

FLAXSEED is firm at Chicago; September 93 cents; cash No. 1 Northwestern 96 cents.

RECENT advices from some of the Wisconsin pea fields are not as encouraging as former reports.

JNO. C. LEONARD, of Chicago, visiting San Jose and Santa Clara, reports good prospects for a full delivery on most of the California crops.

MANY of the Chicago onion set fields in the vicinity of Dunning and Cragin were hurt by the hailstones in the storm of July 21.

ON the Chicago Board of Trade timothy seed is quiet and steady; September \$3.20 bid; October \$3.10 bid. Clover for July delivery nominally \$12.50.

N. L. WILLET, of Augusta, will read a paper, "The Georgia Seed Growing Industry—a Side Line for Horticulturists," before the State Horticultural Society, at Athens, August 3.

CORTLAND, N. Y.—The Forrest Seed Company has leased larger quarters in the new warehouse at Pendleton and East Court streets. They are also putting in a new bag filling machine.

EDITH SHEPHERD KELSEY, daughter of Theodosia B. Shepherd, and associated with the seed house bearing her mother's name, died at Ventura, Cal., July 12. She was but 27 years of age and had a wide circle of warm friends, whose regard she cemented more firmly by her patience in suffering during a prolonged last illness.

BURNET LANDRETH has sent out a letter to those in the wholesale seed trade apprising them that the present financial difficulties of the firm of David Landreth & Sons, Philadelphia, are expected to be only temporary and that arrangements are in progress which will permit the business to go on as before. This is the oldest seed house in America, having been established in 1784.

THE ONION SET CROP.

Harvesting has sufficiently advanced to give a fairly definite idea as to what the crop will pan out. At Indianapolis the quality of the sets harvested confirms earlier advices as to excellence, but the quantity falls below expectations. The crop there is about harvested and the weather for harvesting was all that could be desired. At Louisville harvesting is somewhat later than usual, but the end of the week will about see the finish; expectations all along have been for about half a crop and the harvest shows it to be even less, with the quality coarser than usual. At Chillicothe about an average crop is being harvested; quality fair. At Chicago harvesting is under way in the southern section and just beginning in the northern section. The territory covered by set growing at this point is distributed all over the gardening localities of the city, and the soil varies so much that nothing but a com-

plete harvest will show the net result. In loose, sandy loam good yields have been expected and are being realized. In clay soil the harvest shows a great falling off and in mixed sand and clay the yield is only fair. The color and quality of the Chicago set has always made it a superior article and in these respects the crop this year will be fully up to the average. The shortened acreage, caused by bad weather at planting time, and the poor stand in many of the fields, caused by dry weather at the wrong time, will make this year's Chicago crop considerably less than an average one.

On the whole, taking into account the total loss of sets in the flooded districts of the southwest and a less than average crop at the other points, it looks as though onion sets must bring good prices.

AMERICAN BULBS AT MILWAUKEE.

Arrangements have been made whereby growers of any forcing bulbs, plants or seeds hitherto supplied mainly from foreign sources, or dealers controlling stocks of such goods, may exhibit samples of their product in the trade exhibition, free of charge, the bulbs so exhibited to become the property of the Society of American Florists for testing purposes as to their forcing qualities, and the results of said testing and awards for quality to be published the following season. Entries in this department should be made with the secretary.

WM. J. STEWART.

SAN FRANCISCO.

The Market.

Business, outside of funeral work, has entirely disappeared and we may look for a long holiday before we get our autumn rush. Roses are scarce, but in better shape, and we may expect, if this cool weather continues, to have a fair crop in the next few weeks. Carnations are not very plentiful, but the quality is fairly good. Valley and Lilium longiflorum are seen in fair quantity and as to outside stock, there is an abundance. Sweet peas are not so plentiful, however, and wholesale at about 75 cents per dozen bunches. We shall have plenty of asters in a couple of weeks. I passed through the aster and chrysanthemum belt a few days ago and noticed that the stock was fairly well advanced and in most places looking very thrifty. Gladioli and dahlias, coreopsis and gailardias are being used by most of our florists to fill up the windows. Most of the florists consider their troubles over when the chrysanthemums begin to come in quantity, for they are so easily arranged, fill up so quickly, either in a bunch or floral design, and keep so long after being cut, that we are always sorry when their season is over.

Various Notes.

H. L. Haelke, well known as the head gardener at the Masonic Home, at Decoto, Cal., buried his nineteen-year-old son, Theodore, on Friday of last week, at Oakland. The young man had been on a camping trip in Placer County and was drowned near Towle Station.

Fire started around the oil burner at Domoto Bros.' Japanese nursery, at Fitchburg, on Wednesday afternoon. Some of the oil leaked out and caught fire. The Japs thought the boiler would blow up and so began to shovel soil into the furnace. The foreman had his hands

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Per 100 lbs....\$7.50 Per 1000 lbs...\$65.00

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badly burned in extinguishing the flames.

Almon Wheeler, of the Ruehl-Wheeler Nursery Company, of San Jose, has been in town for a few days. He reports everything prospering in his neighborhood.

I have not, in a long time, seen such a display of floral tributes as those sent to the obsequies of Major Hooper, of the Occidental Hotel. They represented several hundred dollars and were greatly admired. George B. Jones, Frank Pelicano, Podesta & Baldocchi, Sievers & Boland, Frank Shibley and Thomas Stevenson had the bulk of the orders.

A very enthusiastic meeting was held at the Board of Trade rooms in Oakland on Wednesday evening last, by the Alameda County branch of the California State Horticultural Alliance. Joseph Furtado, head gardener for the Realty Syndicate, gave practical illustrations of rose budding.

A visit to the grounds of D. O. Mills at Milbrae shows everything in tip-top shape. The greenhouses are overflowing with ferns, palms and gloxinias and some of the specimen plants are considered the finest in California. Mr. Beattie is the head gardener.

G.

LEECHBURG, PA.—Wm. Rhodes & Son are building a new house 26x110 for bedding plants and rebuilding a lettuce house of the same size.

MADISON, WIS.—Fred Rentschler reports trade very quiet now and is busy getting in shape for another good season. He denies the report that he is to build a large range of greenhouses adjacent to Calvary cemetery.

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MILWAUKEE.

The Market.

Trade is fair for this season of the year and there is just about enough good stock on the market to meet the requirements. Carnations are shortening up in supply but asters are making their appearance to take the place. There are not as many sweet peas as in former years. Some good lilies, both longiflorum and auratum, are in and an occasional spurt in funeral work keeps them cleaned up.

Pollworths are cutting some fine roses, Maid, Gate, Perle and Meteor, from plants carried over from last season and have just finished planting up seven houses in Liberty, Ivory, Maid, Bride and Meteor and have now two large houses under way for some of the newer varieties of carnations. Nic Zweifel is sending a fine lot of Genevieve Lord carnations which sell on sight. C. Johansen is building one additional house and will grow carnations exclusively for next season. C. Burmeister is also adding one house for carnations. Heitman & Baerman are erecting three houses on the Dietsch plan for carnations.

The sale of green goods is somewhat light but there has been quite a demand for small palms, asparagus and ferns for growing on.

Convention Matters.

There was quite a large attendance at our last club meeting. The fair sex were also present at this meeting and took a lively interest. The work is pretty well divided among the various committees and final arrangements are being made for the coming visitors. Entries for the trade display are exceptionally large. Aside from business, the entertainment provided for the members of the S. A. F. is an elaborate one. The bowlers are also becoming active and Wm. Edlefsen is daily practicing to bring up his average to get on the team. His latest score of 234 shows that he is getting into his New York convention form. W. A. Kennedy, with his speedy ball, bunches up a great many strikes in a game. Holton is claiming a great deal of hard luck but expects to reverse matters during the tournament. Herman Hunkel

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thinks he is out of form when he bowls below 200. R. Hansen and C. Burmeister have about an equal chance of getting on the team. The ladies will bowl with the club members Tuesday evening. The following teams, it is expected, will enter the tournament: New York, Buffalo, Philadelphia, Washington, Detroit, Chicago, St. Louis, Denver, Minneapolis and St. Paul, Milwaukee, Cleveland and possibly Omaha, Boston, Pittsburg, Cincinnati and Flatbush.

C. C. P.

IF "Budd" will send his full address we will forward him the letters received in answer to his query as to the division of profits in the greenhouse business.

ST. LOUIS, Mo.—The contract for the giant floral clock, to be installed on the side of the hill north of the Agriculture palace at the World's Fair, was let recently to the Plant Seed Co.

Field-Grown Carnations

Crane, Marquis, Gov. Roosevelt, Glacier, Joost, Lorna, Morning Glory, Wolcott, Nelson, Maceo, Apollo, Crocker, Prosperity, Dorothy, Gaily, Alba, Cressbrook, Elma, first size, \$8 per 100, second size, \$5.00 per 100.

ROSE PLANTS.

200 4-inch American Beauties.....\$12.00 per 100
300 4-inch Meteors..... 8 00 per 100
500 2½-inch Brides..... 3.50 per 100
250 2½-inch Balduins..... 5.00 per 100

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Beauties, Specials.....	\$ 2.50 to \$ 3.00
Extra.....	1.00 to 1.50
No. 1.....	.75
Queen of Edgely, Specials.....	2.50 to 3.00
Seconds.....	1.00 to 1.50
Thirds.....	.75
Brides and Maids, Specials.....	\$4.00 to \$6.00
No. 2.....	2.00 to 3.00
Golden Gates, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Kaiserin, Firsts.....	6.00 to 8.00
Seconds.....	2.00 to 4.00
Liberty, Firsts.....	6.00 to 10.00
Seconds.....	2.00 to 5.00
Meteors, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
La France, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Carnations, Commons.....	.50 to 1.00
Selects, all colors.....	1.50 to 2.00
Fancy.....	3.00 to 4.00
Adiantum Cuneatum.....	1.00
Asparagus plumosus, Strings.....	35.00 to 50.00
Sprenger's Sprays, per bunch, 35-50c.....	
Smilax.....	12.50 to 15.00
Cornflower.....	.20
Lilium Harrisii.....	8.00 to 12.50
Lilium Auratum.....	\$2.00 per doz.
Tiger Lilies.....	\$2.00 doz. stalks
Lily of the Valley.....	2.00 to 5.00
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Sweet Peas.....	.20 to .40
Gladioli.....	2.00 to 3.00
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Wholesale Cut Flower Prices.

New York, July 29.

	Per 100
Beauties, Specials	\$10.00 to \$15.00
" Extra	6.00 to 8.00
" No. 1	2.00 to 3.00
" Shorts	1.00 to 2.00
Brides and Maids, Specials	3.00 to 4.00
" Extra	2.00 to 3.00
" No. 1	1.00 to 2.00
" No. 2	1.00
Liberty	5.00 to 10.00
Meteor	2.00 to 4.00
Cattleyas	30.00 to 50.00
Cypripediums	12.00
Dendrobium formosum	15.00 to 25.00
Laelias	10.00 to 40.00
Carnations, Common .....	.25 to .50
" Selects .....	.50 to .75
" Fancies .....	.75 to 1.00
" Novelties	1.00 to 2.00
Asters	1.00 to 2.00
Sweet Peas, per 100 bunches, \$1 to \$2	
Adiantum cuneatum .....	.50 to .75
" Croweanum	1.00 to 1.50
Asparagus plumosus, Strings	25.00 to 50.00
Sprenger's Sprays	1.00 to 2.00
Harrisii lilies	4.00 to 8.00
Valley	1.00 to 2.00
Smilax	8.00 to 12.00
Ferns, Common, per 1000, 75c.	
Fancy, per 1000, \$1.50.	

A slight increase is noticeable in the quantity of stock coming to the market and the tendency of prices is still downward. Asters are coming in profusely and command poor values. The best word to express the condition of things is stagnation.

KANSAS CITY, KAN.—Trade here is very dull at present, only funeral work, and the crape pullers have been very busy.

INDIANAPOLIS, IND.—The Indiana Floral and Chrysanthemum Association was incorporated July 18 by a number of prominent business men. Irwin Bertermann is secretary and John Bertermann manager of the exhibition to be given in November.

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Daily Reports. Weekly Payments. Tel. 2239 Madison Sq. J. A. MILLANG, 2034 Madison Sq. Manager.

Mention The Review when you write.

FOLEY'S FLORAL FOTOGRAPHS

Send for my Floral Album, size 12x11, containing 24 different funeral designs Sent to any part of the country by express, \$7.00 c. o. d.

226-226½ Bowery, NEW YORK.

Always Mention the....
Florists' Review
When Writing Advertisers.

The Philadelphia Wholesale Flower Market. Headquarters for BEAUTIES.

OPEN FROM 7:00 A. M. TO 5:00 P. M.
SATURDAYS CLOSE AT 1:00 P. M.

1228 CHERRY STREET, PHILADELPHIA.

ALEX. J. GUTTMAN, Wholesale Florist.

All seasonable Flowers and Novelties at proper prices can be had at

52 West 29th Street, New York.
Telephone 1738 Madison.

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ESTABLISHED 1872.

John J. Perkins

WHOLESALE and COMMISSION FLORIST,
115 West 30th St., NEW YORK.
Telephone No. 956 Madison Sq.

WANTED a few more reliable growers of Carnations and Violets. Only first-class stock handled.

BRANCH STORE, 48 West 30th St.,
New York. R. W. PERKINS, Manager.
Consignments Solicited. Quick returns to Shippers. Highest Market Prices Guaranteed.
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WM. SAMPSON, Coogan Building, WHOLESALE 26th St. and 6th Ave. FLORIST.

With the New York Cut Flower Co.
Tel. No. 2239 Madison. Consignments Solicited.
Specialties, CARNATIONS and MIGNONETTE.
Mention Review when you write.

....THE....

COTTAGE GARDENS

Wholesale Florists,
QUEENS, - L. I., N. Y.
Mention Review when you write.

HARDY CUT FERNS.

Write for Prices.



FANCY

DAGGER

L. B. BRAGUE,

Oldest, largest and most reliable dealer in the U. S. HINSDALE, MASS.
Mr. Brague will have an Exhibit at the Convention Hall, Milwaukee.

Mention Review when you write.

A SPLENDID OFFER.

Asparagus Plumosus, 3-in., \$5.00; 4-in., \$8.00 per 100. Asparagus Sprengerii, 2-in., \$2.00; 3-in., \$5.00; 4-in., \$7.00 per 100. Aspidistra Green, 4-in., \$25.00 per 100.

ADOLPH G. FEHR, - Belleville Ill.
Mention Review when you write.

Wholesale Cut Flower Prices.

Pittsburg, July 29.

	Per 100
Beauties, Specials	\$25.00 to \$30.00
Extra	15.00 to 20.00
No. 1	10.00 to 12.00
Shorts	3.00 to 5.00
Brides and Maids, Extra	4.00 to 5.00
No. 1	2.00 to 3.00
No. 2 .....	.50 to 1.00
Kaiserin	2.00 to 5.00
Liberty	2.00 to 5.00
Carnations, Common .....	.50
Selects .....	.75 to 1.00
Fancies	1.25 to 1.50
Adiantum Cuneatum .....	.75 to 1.25
Asparagus plumosus, Strings	25.00 to 50.00
Sprays	2.00 to 3.00
Sprengerii, Sprays	2.00 to 3.00
Daisies .....	.25
Gladioli	1.00 to 4.00
Lilium Longiflorum	10.00 to 12.00
Lily of the Valley	3.00 to 4.00
Smilax	8.00 to 12.00
Sweet Peas .....	.10 to .50

Baltimore, July 29.

	Per 100
Beauties, Best Offerings	\$5.00 to \$8.00
Shorts	3.00 to 4.00
Brides and Maids, No. 1	2.00 to 3.00
Golden Gate	2.00 to 3.00
Perle	2.00 to 3.00
Carnations, Commons .....	.50 to .75
Adiantum Cuneatum	1.00
Asparagus plumosus, Sprays	1.50 to 2.00
Sprengerii, Sprays	1.50 to 2.00
Smilax	10.00 to 20.00
Sweet Peas .....	.10 to .20

The first part of last week supplies were in excess of requirements; later the demand increased. Roses and carnations grow scarcer, but outdoor stock is more abundant and of better quality. The Elks' reunion did little for the trade. The weather is warm, but magnificent.

CAMDEN, N. J.—The William Graham Company has been incorporated, with a capital stock of \$50,000, by Leon Belmont, C. W. Coulson and D. T. Stackhouse, of Camden.

PITTSBURG, PA.—The Pierson-Sefton Co., Jersey City, N. J., has the contract for a very handsome conservatory 54x100, to be erected here for Alexander R. Peacock and to cost \$10,500.

NEW CROP

FANCY AND DAGGER FERNS!

50c per 1000. Discount on large orders. Contracts made to supply the year around. Use our Laurel Festooning for your decorations. It's the best decorating material to be found for weddings, etc.; price 4c, 5c and 6c per yd. Galax Leaves, Green or Bronze, 75c per 1000. Mosses, etc. Everything in the hardy supplies and gathered fresh daily. Send us your wants and be well satisfied.



MILLINGTON, MASS.

Tel. Office, New Salem.

Mention Review when you write.

FRANK H. TRAENDLY. CHARLES SCHENCK.

TRAENDLY & SCHENCK, Wholesale Florists

AND CUT FLOWER EXCHANGE
38 W. 28th St., NEW YORK.
Telephones 798 and 799 Madison Square. CONSIGNMENTS SOLICITED.

Mention Review when you write.

Hicks & Crawbuck

Wholesale Florists,
108 Livingston Street, BROOKLYN, N. Y.
Tel. 3660-3661 Main.
Mention Review when you write.

GALAX.

Brilliant Bronze, at 75c per 1000 in 2000 lots or more.

FERNS—Fancy, \$1.25 per 1000; Dagger, \$1.00 per 1000. Green Sheet Moss—\$2.50 per bbl. sack. Sphagnum Moss—\$1.75 per large bale. All kinds FLORISTS' SUPPLIES.

L. J. KRESHOVER, 110-112 W 27th St., New York
TEL. 597 MADISON SQUARE.
Mention Review when you write.

PITTSBURG CUT FLOWER CO. Ltd.

WHOLESALE
FLORISTS, Pittsburg, Pa.
Mention The Review when you write.

CHAS. D. BALL, GROWER OF Palms, Etc.

Send for Price List.

HOLMESBURG, PHILADELPHIA, PA.

Mention the Review when you write.

N. LECAKES & CO.

45 West 29th St., NEW YORK

Tel. No. 1214 Madison Sq.

and

53 W. 28th St.

(Basement)

Tel. 1797 Madison Sq.

Stands at Cut Flower Exchange

Coogan Bldg., W.

26th St., and 34th Street Cut Flower Market.

SPECIALTIES

GALAX LEAVES, FERNS and
LEUCOTHOE SPRAYS.

Mention Review when you write.

National Florists' Board of Trade.

NEW MANAGEMENT.
PROMPT COLLECTIONS
AND PROMPT RETURNS.

Full information concerning all claims entrusted to us. Plenty of time to attend carefully to your interests.
Satisfaction guaranteed. No delays. No neglect. No waiting. NEW OFFICES, 56 FINE STREET, NEW YORK CITY.
Telephone 4673 John Street. Rooms 601, 602, 603.
HARRIS H. HAYDEN, Pres. WM. A. MOORE, Vice-Pres. JNO. E. WALKER, Sec. and Treas.
Mention The Review when you write.

Wholesale Cut Flower Prices.

Chicago, July 29.

	Per doz.
Beauties, 24-inch stems.....	\$2.00
" 20 " 	1.50
" 15 " 	1.25
" 12 " 	1.00
Shorts.....	.75
Per 100.	
Bridesmaids, Specials.....	\$4.00 to \$5.00
Firsts.....	2.00 to 3.00
Seconds.....	1.00
Brides, Specials.....	4.00 to 5.00
Firsts.....	2.00 to 3.00
Seconds.....	1.00
Kaiserin.....	4.00 to 8.00
LaFrance.....	4.00 to 8.00
Liberty, Specials.....	8.00 to 10.00
Firsts.....	6.00 to 8.00
Seconds.....	3.00 to 5.00
Golden Gate, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Meteor, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Mme. Chatenay, Firsts.....	6.00 to 8.00
Seconds.....	3.00 to 5.00
Ivory, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Perles, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Carnations, Fancy.....	2.00
Commons.....	1.00 to 1.50
Gладиoli.....	2.00 to 4.00
Asters.....	.75 to 1.25
Water Lilies.....	1.00
Sweet Peas.....	.20 to .40
Auratum Lilies.....	\$1.25 to \$1.50 doz
Valley.....	3.00 to 5.00
Shasta Daisies.....	2.00
Marguerites.....	.40 to .50
Adiantum cuneatum.....	.75 to 1.00
Asparagus plumosus, Strings.....	25.00 to 50.00
Sprays.....	2.00 to 3.00
Asparagus Sprengeri, Sprays.....	2.00 to 5.00
Smilax.....	\$1.25 per doz.
Common ferns, per 1000, \$100.	
Galax Leaves, \$1.50 per 1000	

Milwaukee, July 29.

	Per 100
Beauties, Extra.....	\$15.00
No. 1.....	\$10.00 to 12.50
Shorts.....	4.00 to 6.00
Brides and Maids, Specials.....	6.00
Extra.....	4.00
No. 1.....	3.00
No. 2.....	2.00
Golden Gates.....	4.00 to 6.00
Kaiserin.....	4.00 to 8.00
Liberty.....	4.00 to 8.00
Meteor.....	4.00 to 6.00
Perle.....	4.00 to 5.00
Carnations, Selects.....	1.00
Fancy.....	1.50 to 2.00
Asparagus plumosus, Strings.....	50.00
Sprays.....	2.00 to 4.00
Sprengeri.....	2.00 to 4.00
Asters.....	1.00 to 2.00
Daisies.....	.50
Gладиoli.....	4.00
Lilium Speciosum.....	4.00
Longiflorum.....	8.00
Mignonettes, Ordinary.....	2.00
Smilax.....	12.50
Sweet Peas.....	.15
Common Ferns.....	.20

MARINETTE, WIS.—George Vatter will be at the convention and says most of the florists in this vicinity will be on hand.

DEXTER, ME.—C. H. Hayden is recuperating at Ocean Park and sends word home that he has already gained ten pounds in weight.

DES MOINES, IA.—William Trillow, formerly of St. Louis and Chicago, is now in charge of the greenhouse department of the Iowa Seed Company, succeeding F. D. Rennison, who went to Waterloo.

WATERLOO, IA.—Williams & Crittenden have bought material, of Moninger, Chicago, for four houses which will just about double their capacity. The construction is to be the most modern, high gutter style, for roses and carnations, grafted roses being largely planted this year. F. D. Rennison, formerly of Des Moines, is in charge of the growing. Mr. and Mrs. Williams are away on an outing in Montana.

E. H. HUNT

THE "OLD RELIABLE" FOR

Wholesale**Cut Flowers**

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

Mention Review when you write.

Bassett & Washburn

76 Wabash Ave., CHICAGO, ILL.

WHOLESALE GROWERS OF AND DEALERS IN CUT FLOWERS

Greenhouses at Hinsdale, Ill.

Mention Review when you write.

A. L. RANDALL,**Wholesale Florist**

Don't forget we are at 19 and 21 RANDOLPH ST., CHICAGO.

Write for special quotations on large orders.

Mention Review when you write.

J. A. BUDLONG

37-39 Randolph Street CHICAGO.

Roses and
Carnations
A Specialty.....WHOLESALE
GROWER OF CUT FLOWERS**WIETOR BROS.**Wholesale
Growers of.. **Cut Flowers**All telegraph and telephone orders
given prompt attention.

51 Wabash Avenue, CHICAGO.

WEILAND-AND-RISCHCHICAGO'S RELIABLE WHOLESALE
GROWERS AND SHIPPERS OF...

CUT FLOWERS,

59 Wabash Avenue, CHICAGO.

SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS**Poehlmann Bros.**Wholesale
Growers of
and Dealers in **Cut Flowers.**All telegraph and telephone orders given prompt
attention. Greenhouses: Morton Grove, Ill.

85-87 Randolph Street, CHICAGO, ILL.

Mention Review when you write.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers

800,000 SQUARE FEET OF GLASS.

Headquarters for American Beauty.

51 Wabash Ave. CHICAGO, ILL.

JOHN MUNO,WHOLESALE
GROWER OF Cut Flowers,

51 Wabash Avenue, - - CHICAGO.

GREENHOUSES, ROGERS PARK, ILL.

Telephone Central 3596.

SINNER BROS.

Wholesale Growers and Shippers of CUT FLOWERS

58-60 WABASH AVE., CHICAGO, ILL.

With the Flower Telephone—

Growers' Co. Central 3067.

All telephone and telegraph orders

given prompt attention.

Mention Review when you write.

FRANK GARLAND,Wholesale
Grower of Cut Flowers,Special attention
given to Hardy Out **FERNS.**

55-57 Wabash Avenue, CHICAGO, ILL.

Telephone Central 3284.

Mention Review when you write.

GEORGE REINBERG,

51 Wabash Ave., Chicago,

WHOLESALE DEALER IN AND CUT FLOWERS

.....GROWER OF

Two Daily Shipments from my greenhouses.

Fresh Stock always ready for orders.

Write, Wire or Phone. Quick Service Given.

Mention Review when you write.

Lily of the Valley**H. N. BRUNS,**

1409 W. Madison St., CHICAGO.

Mention Review when you write.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.50; 50,000... \$6.25. Sample free.

For sale by dealers.

Mention the Review when you write.

BENTHEY & CO.

35 Randolph Street, CHICAGO.

F. F. BENTHEY, Manager.

Consignments Solicited.

Wholesale and

Commission

FLORISTS

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M

ICHIGAN CUT FLOWER EXCHANGE.

WHOLESALE FLORISTS AND CUT FLOWER COMMISSION.

Full line of FLORISTS' SUPPLIES and SUNDRIES.

WM. DILGER,

Manager.

COMMON FERNS, \$1.00 per 1000.
 GALAX, Bronze or Green, 1.25

26 Miami Ave., Detroit, Mich.

Wholesale Cut Flower Prices.

St. Louis, July 29.

	Per doz.
Beauties, Specials.....	\$2.00 to \$3.00
Extra.....	1.00 to 1.50
Shorts.....	.60 to 1.00
Brides and Maids, Specials.....	\$4.00 to \$5.00
Extra.....	2.00 to 3.00
No. 1.....	.50 to .75
Carnot.....	4.00 to 5.00
Golden Gates.....	3.00 to 5.00
Kaiserin.....	4.00 to 5.00
Liberty.....	3.00 to 5.00
Meteor.....	3.00 to 4.00
Perle.....	2.50 to 3.00
Sunrise.....	2.50 to 3.00
Carnations, Commons.....	.50 to 1.00
Fancies.....	1.00 to 1.50
Adiantum Cuneatum.....	1.00 to 1.25
Adiantum Farleyense.....	1.00 to 1.25
Asparagus plumosus, Strings.....	35.00 to 50.00
Sprays.....	1.00 to 1.50
Sprengerl.....	1.00 to 1.50
Asters.....	1.00 to 1.50
Gladioli.....	3.00 to 5.00
Hollyhocks.....	.50 to 1.00
Lily of the Valley.....	3.00 to 4.00
Smilax.....	12.50 to 15.00
Sweet Peas.....	.15 to .25
Tuberose.....	3.00 to 5.00
Galax.....	.15
Common Ferns.....	.15

Boston, July 29.

	Per 100.
Beauties, Specials.....	\$20.00
Extra.....	\$10.00 to 15.00
No. 1.....	6.00 to 8.00
Shorts.....	2.00 to 4.00
Brides and Bridesmaids, Specials.....	8.00
Extra.....	3.00 to 6.00
No. 1.....	1.00 to 2.00
No. 2.....	.50 to 1.00
Carnot.....	4.00 to 10.00
Kaiserin.....	2.00 to 10.00
Liberty.....	2.00 to 16.00
Mrs. Morgan.....	2.00 to 6.00
Carnations, Common.....	.50
Selects.....	1.00
Fancies.....	2.00
Asters.....	1.00 to 2.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, Strings.....	50.00
Sprays.....	1.00 to 2.00
Sprengerl, Sprays.....	1.00 to 4.00
Gladioli.....	3.00 to 5.00
Lily of the Valley.....	3.00 to 5.00
Mignonette, Ordinary.....	1.00
Smilax.....	12.00
Sweet Peas.....	.15
Galax.....	.15
Common Ferns.....	.15

UNIONTOWN, PA.—Barton Bros. are building two new greenhouses in connection with their range near town. The business is increasing rapidly.

SAVANNAH, GA.—The Savannah edition of the American Journal of Commerce contains an excellent half-tone of the greenhouse of John Wolf and an account of that gentleman's successful career in floriculture. Concluding, it says that "he is a popular member of Society of American Florists, the Young Men's Christian Association and the Knights of Pythias."

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.
 Manufacturers of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.
 1122 PINE STREET, ST. LOUIS, MO.
 Mention The Review when you write



H.G. Berning

WHOLESALE FLORIST.

1322 Pine Street, ST. LOUIS, MO.

HOLTON & HUNKEL CO. WHOLESALE FLORISTS.

MILWAUKEE, - WIS.
 Mention The Review when you write.

Wm. Murphy,

Grower and Commission Dealer in.....
 Cut Flowers and Florists' Supplies,
 Telephone Main 980.
 130 E. 3d Street, CINCINNATI, OHIO.
 Mention Review when you write.

J. M. McCULLOUGH'S SONS, Seedsmen and Wholesale Florists.

Consignments solicited. Special attention given to shipping orders.
 316 Walnut Street, CINCINNATI, OHIO.
 Mention Review when you write.

Lily of the Valley

of good quality always on hand.
 AUGUST JURGENS,
 134 to 144 Herndon St., CHICAGO.
 Mention Review when you write.

TREES, PLANTS, BULBS, &c.

Our Illustrated and Descriptive Price List of FOREIGN and DOMESTIC Bulbs, Plants, Seed, Shrubs, Fruit and Ornamental Trees, Grape-vines, etc., all for Spring planting, will be mailed FREE to all. Address, HANZ & NEUNER, Louisville, Ky.
 Mention Review when you write.

Wholesale Cut Flower Prices.

Detroit, July 29.

	Per 100
Beauties, Specials.....	\$25.00
Extra.....	20.00
No. 1.....	15.00
Shorts.....	\$5.00 to 10.00
Brides and Maids, Specials.....	8.00 to 5.00
Cousin.....	3.00 to 5.00
Kaiserin.....	3.00 to 6.00
Meteors.....	3.00 to 6.00
Perle.....	3.00 to 5.00
Cattleyas.....	50.00
Cypripediums.....	25.00
Carnations, Common.....	1.00 to 2.00
Adiantum Cuneatum.....	1.00
Asparagus plumosus, Strings.....	40.00 to 50.00
Sprengerl, Sprays.....	2.00 to 6.00
Asters.....	1.00 to 1.50
Gladioli.....	2.00 to 4.00
Lilium Auratum.....	4.00 to 6.00
Lily of the Valley.....	4.00 to 5.00
Mignonette, Ordinary.....	2.00 to 3.00
Smilax.....	12.50 to 15.00
Stocks.....	2.00 to 3.00
Sweet Peas.....	.25
Galax.....	.15
Common Ferns.....	.15

Cincinnati, July 29.

	Per 100
Beauties, Specials.....	\$25.00
Extra.....	\$15.00 to 20.00
No. 1.....	8.00 to 12.50
Shorts.....	3.00 to 6.00
Brides and Maids, extra.....	5.00
No. 1.....	4.00
No. 2.....	2.00 to 3.00
Golden Gates.....	2.00 to 5.00
Kaiserin.....	2.00 to 6.00
Meteor.....	2.00 to 4.00
Perle.....	2.00 to 4.00
Carnations, Commons.....	1.00
Selects.....	1.50 to 2.00
Fancies.....	2.00 to 3.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, Strings.....	35.00 to 50.00
Sprengerl, Sprays.....	2.00 to 3.00
Asters.....	.50 to 1.00
Daisies.....	.25 to .50
Gladioli.....	2.00 to 5.00
Lily of the Valley.....	2.00 to 4.00
Smilax.....	12.50 to 15.00
Stocks.....	2.00 to 3.00
Sweet Peas.....	.20 to .35
Tuberose.....	2.00 to 4.00
Galax.....	.15
Common Ferns.....	.25

ST. JOSEPH, Mo.—L. J. Stuppy has recently concluded the purchase of six acres of adjoining property at a cost of \$1,000 an acre. He is in need of larger supplies of stock and will probably put up a good sized addition to his range.

GENEVA, ILL.—The Harvey greenhouses, until recently operated by the late J. T. Anthony, have passed into the hands of Davis Bros., of Morrison, Ill., and will be operated by them in connection with their home plant, which is also being enlarged this year. This will give them splendid facilities, the Geneva place being in charge of W. B. Davis, who, until recently has been with George A. Kuhl, at Pekin.

FRANK M. ELLIS,

Wholesale Florist,

1316 Pine Street,

St. Louis, Mo.

PLENTY OF STOCK IN ALL FLOWERS IN SEASON.

A COMPLETE LINE OF FLORISTS' SUPPLIES.

LEADING RETAIL FLORISTS.

The following retail florists are prepared to fill orders from other florists for local delivery on the usual basis. If you wish to be represented under this heading now is the time to place your order.

ALEXANDER McCONNELL, 546 Fifth Avenue,
Cor. 45th St., N.W.
New York City.

Telegraphic orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.
Cable Address: **ALEXCONNELL.**
WESTERN UNION CODE. Telephone Calls: 340 and 341 38th Street.

ORDERS FOR....

CHICAGO

WILL BE FILLED BY

P. J. HAUSWIRTH,
227 Michigan Ave.
Auditorium Annex. Telephone Harrison 585.

David Clarke's Sons

2139-2141 Broadway,
Tel. 192 Riverside,

New York City.

Out-of-town orders for delivery in New York carefully and promptly filled at reasonable prices.

M.A. Rowe

1294 BROADWAY,

In the heart of NEW YORK CITY.

TEL. 2270 38TH ST.

OUR MOTTO—"THE GOLDEN RULE."

HAVE YOUR

RETAIL ORDERS

FILLED BY THE

GEO. WITTBOLD CO.,
1687-89 Buckingham Place, CHICAGO.

M. WEILAND,

602 Davis St., EVANSTON, ILL.

Suburb of Chicago.

Out-of-town orders of all kinds given careful and prompt attention.
Long distance phone, Evanston 56.

J. J. Beneke,

1220
Olive Street, ST. LOUIS, MO.

Mrs. Chas. Eickholt,

2319
AVENUE M. Galveston, Tex.

Shibeley The Florist,

311
SUTTER ST., SAN FRANCISCO, CAL.

Slevers & Boland,

25-27
Post Street, San Francisco, Cal.

Clarke Bros.

PORTLAND, ORE.

Siebrecht & Son,

409 5th Ave.

New York City,

Fill all orders for Florists
at current prices less the
usual discount. : : :

A. WIEGAND & SONS, FLORISTS,

1810 to 1820
N. Illinois St., Indianapolis, Ind.

A. GUDE & BRO.

1224 F Street, Northwest,

Washington, - D. C.

The J. M. Gasser Company,

EUCLID
AVENUE, CLEVELAND, OHIO.

John Breitmeyer's Sons,

Cor. MIAMI and GRATIOT AVES.
DETROIT, MICH.

WM. SCOTT,

Main and Balcom Sts.

Buffalo, N. Y.

U. J. VIRGIN,

838
Canal Street, NEW ORLEANS, LA.

S. B. Stewart,

119
No. 16th Street, OMAHA, NEB.

Orders for Philadelphia

WILL BE FILLED BY

Century Flower Shop,

112 South 12th Street.

H. H. BATTLES, Proprietor.

FRED C. WEBER, FLORIST,

4326-28
Olive Street, St. Louis, Mo.

ESTABLISHED 1873.

Long Distance Phone Lindell 196 M.

The Park Floral Co.

J. A. VALENTINE, Pres. DENVER, Colo.

Orders for Chicago and Vicinity

WILL BE FILLED BY

A. LANGE,

Telephone
Central 2522. 51 Monroe St., CHICAGO.

Orders for MINNESOTA or the North-
west will be properly executed by

AUG. S. SWANSON ST. PAUL or MINNEAPOLIS.

WILLIAM L. ROCK, FLORIST,

1116
Walnut St., Kansas City, Mo.

ONE thing in favor of the REVIEW is that it is not run in the interest of any one florist.—F. W. HECKENKAMP, JR., Quincy, Ill.

HUGH GRAHAM

104 So. 13th Street, Philadelphia.

I am in a position to handle any orders for Philadelphia or vicinity, either large or small; would be pleased to have correspondence with the trade in general.
Our facilities for handling orders, either for flowers or plants, are of the very best.
Mention the Review when you write.

DON'T BUY!

Until you have looked through our Special List of Seasonable Stock just mailed.

Quantity and Prices are right.

Walter Mott Seed & Bulb Co.
JAMESTOWN, N. Y.

Mention Review when you write.

Calla Bulbs NOW READY.

THEY ARE FINE THIS YEAR.

1 to 1 1/4 in. diameter.....	\$3.50 per 100;	\$30.00 per 1000
1 1/4 to 2 in. diameter.....	5.00 "	45.00 "
2 to 2 1/2 in. diameter.....	7.00 "	65.00 "

F. O. B. YOUR CITY.

California Carnation Co., L. Box 103. Loomis, Cal.

Mention Review when you write.

Good Fortune is the Chum of Opportunity.

This is your chance to lay in a stock of Godfrey Aschmann's tip-top *Araucaria Excelsa*. Do it now and they will help to fill your treasure box; they will be growing into money for you while you're asleep. We are headquarters for this great favorite among decorative plants. Our houses are full of choice April importations—no seedlings—raised in Belgium from top cuttings only. Here is my very lowest quotation. Who can beat such stock as I offer for the money?

5 1/2-in., 3 tiers, 8 to 10 in. high.....	\$0.50 each
5 1/2-in., 3 to 4 " 10 to 12 " .....	.60 "
5 1/2-in., 3 to 4 " 13 to 15 " .....	.75 "
6-in., 4 to 5 " 16 to 18 " 80c, 90c, 1.00 "	

Kentia Forsteriana—4 years old, 30 to 36 in. high, 5 1/2-in. pots, 75c to \$1.00 each.

Ficus Elastica—Imported, 4-inch pots, 25c each.

Cash with order please. Goods travel at purchaser's risk only. Please state if with or without pots.

Wanted to Buy—Boston Ferns for cash.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants,

1012 Ontario Street, PHILADELPHIA.

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ALL THE BEST CARNATIONS

LEADING NOVELTIES OF 1903.

The Best Varieties of 1902.

All the Standard Varieties.

Send in your orders for Field Plants now.

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Latania Borbonica.

Fine plants in 14-inch pots. Suitable for lawn decoration or large conservatory.
\$15.00 each.

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School Street and Pulaski Avenue, GERMANTOWN, Phila.

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It will pay you to work up a stock of

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The best Semi-double Scarlet Geranium to date.
Strong, 2 1/4-inch pots, \$8.00 per 100.

S. S. SKIDELSKY,

708 N. 16th St., PHILADELPHIA.

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SMILAX

Strong, 2-inch	\$1.25 per 100
Asparagus Sprengeri, 2-inch, \$2.00 per 100	
Beauties, 3-inch.....	5.00 "
Brides and Maids, 3-inch... 4.00 "	

JOHN BROD, - - Niles Center, Ill.

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JOHN SCOTT,

Keep St. Greenhouses, Brooklyn, N. Y.

Headquartersfor Bostons

Fine "PIERSONI" in 2 1/4-inch pots.

The Cottage Gardens' Collection of Cannas.
Grand stock. Send for particulars.

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Pteris Tremula—Short bushy stock from 2 1/2 inch pots, \$2.50 per 100; \$20.00 per 1000.

Phoenix Canariensis Palms—Excellent values at \$1.50 and \$2.00 from 7 and 8-inch pots.

Full line of *Kentias* and *Latanias* in all sizes.

Asparagus Sprengeri—2-inch pots, \$2.00 per 100.

Asparagus Plumosus—2 1/2-inch pots, \$3.50 per 100.

Primula Obconica—Grandiflora alba and roses, 2-inch pots, \$2.00 per 100; 2 1/2-inch pots, strong, \$3.00 per 100.

THE STORRS & HARRISON CO.
PAINESVILLE, OHIO.

Mention the Review when you write.

Zirngiebel GIANT PANSIES

Market and Fancy Strains

are the finest grade this season that we ever sent out, when large size and colors are wanted.

As growers, we know every strain of note in cultivation and we can recommend our pansies as unequaled.

New crop seed ready now in trade packages of either strain, at \$1.00 each.

Denys Zirngiebel
NEEDHAM, MASS.

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ARAUCARIA EXCELSA

2-inch pots, two tiers, \$16.00 per 100.

Araucaria Imbricata

2 1/2-inch pots, strong plants, \$10 per 100.

CALLA LILIES —	100	1000
6-inch circumference.....	\$5.00	\$45.00
5 " "	4.50	40.00
4 " "	4.00	35.00
2 1/2 to 3-inch "	2.50	22.50
<i>Narcissus</i> —Paper White, extra size 1.00		7.50
large size .75		5.00
<i>Freesia Bulbs</i> —Extra selected....	.50	4.00
Large ..	.35	2.50
<i>Amaryllis Belladonna</i> —Ready to bloom, \$1.00		
per doz.; \$8.00 per 100.		

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3041 Baker St., SAN FRANCISCO, CAL.

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SMILAX. Strong 2-in. pots, \$1.50 per 100.

Umbrella Plants—3-inch, \$8.00 per 100; 4-inch, \$15.00 per 100.

Boston and Compacta Ferns—All sizes. Write for prices.

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4025 Marcus Ave., ST. LOUIS, MO.

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CARNATIONS

F. DORNER & SONS CO., LaFayette, Ind.

Mention the Review when you write.

I FIND the REVIEW very valuable, although my greenhouse is very small as compared with those I read about in the paper. Put in all you can for beginners, even if it does seem absurd to those old in the profession.—SARAH COX., Homer, Mich.

CLASSIFIED PLANT ADVERTISEMENTS.

Rates for advertisements under this head, 10 cents a line net, per insertion. New advs. and changes must reach us by Wednesday morning at latest to secure proper classification in issue of Thursday.

ABUTILONS.

Abutilons in variety, 2½-in., \$2.50 100; \$20.00 1000. R. Vincent, Jr., & Son, White Marsh, Md.

ACALYPHAS.

Acalypha Macafeana, \$3.50 100.
R. Vincent, Jr. & Son, White Marsh, Md.

ALLAMANDAS.

Allamanda Hendersoni, fine, bushy specimen plants, 3-ft. high, from 10 to 12-in. pots, \$3.00 each; 4 for \$10.00. Cash. A bargain.
J. A. COSGROVE, Madison, N. J.

ALTERNANTHERAS.

Alternantheras, red and yellow, fine, bushy plants, 2½-in. pots, 75c 100; \$8.00 1000.
L. D. ROBINSON, JR., Springfield, Mass.

AMPELOPSIS.

Ampelopsis Veitchii from flats, ready for 2-in., \$1.00 per 100.
Robt. Bowdler, 1723 Florida Ave., N. E., Washington, D. C.

Ampelopsis Veitchii, good plants, 2½-in. pots, \$3.00 per 100.
E. C. HAINES, Bedford Station, N. Y.

Ampelopsis Veitchii, 5-in., 15c; 4-in., 10c; 3-in., 5c. W. H. Salter, Rochester, N. Y.

ANTHERICUMS.

Anthericum variegatum, 3-in., 75c per doz.; 4-in., \$1.00 per doz., \$8.00 100.
F. WALKER & CO., Louisville, Ky.

ARAUCARIAS.

Araucaria excelsa, raised in Belgium from top cuttings only.

	Tiers.	High.	Each.
5½-in. pots	3	8 to 10 in.	50c
5½-in. pots	3 to 4	10 to 12 in.	60c
5½-in. pots	3 to 4	13 to 15 in.	75c
6-in. pots	4 to 5 tiers	16 to 18 inches high.	80c, 90c and \$1.00 each.

GODFREY ASCHMANN, 1012 Ontario St., Philadelphia, Pa.

DREER'S SPECIAL OFFER. We have in stock about 15,000 ARAUCARIAS, on which we are in a position to offer special values. For sizes and prices see displayed adv. in this issue.

H. A. DREER, 714 Chestnut St., Philadelphia.

Araucaria excelsa, 2-in. pots, 2 tiers, \$16.00 100. A. imbricata, 2½-in. pots, strong plants, \$10.00 100.

F. LUDEMANN, 3041 Baker St., San Francisco, Cal.

Araucaria excelsa, 2 to 3 tiers, \$5.25 per doz.; 3 to 4 tiers, \$7.50 per doz.
THE CONARD & JONES CO., West Grove, Pa.

BUSINESS BRINGERS—
REVIEW Classified Advs.

ASPARAGUS.

300 Asparagus plumosus, 3-yr.-old roots, right for ground bed for growing strings, \$3.00 per 100 to close out. They are strong and healthy. Cash with order. H. P. Owens, Central Valley Greenhouses, Toughkenamon, Pa.

Asparagus Sprengerii and plumosus, strong plants, 2½-in., \$3.00 100, \$25.00 1000. 500 strong A. plumosus plants from bench, \$10.00 100.
ISAAC H. MOSS, Govanstown, Baltimore, Md.

Asparagus Sprengerii, from flats, \$1.00 100, \$6.00 1000; 5000 for \$25.00; 2½-in., \$1.50 100, \$12.50 1000. A. plumosus nanus, 2½-in., \$4.00 100.
S. Whitton, 15 Gray Ave., Utica, N. Y.

Asparagus plumosus nanus, from flats, \$2.00 100; \$15.00 1000, prepaid. A. Sprengerii, 2 and 2½-in., strong, \$2.00 100; 3-in., \$2.50 100.
Bell Conservatory Co., Sacramento, Cal.

Asparagus plumosus plants, 2-yr.-old, \$5.00 100; fine for strings. Asparagus Sprengerii, 2½-in. pots, extra, \$2.50 100.
JOSEPH WOOD, Spring Valley, New York.

Asparagus plumosus nanus, fine plants, 2½-in. pots, \$3.00 100; \$25.00 1000. Cash with order, please.
WM. KEIR, Pikesville, Md.

A. plumosus, 3-in., \$5.00; 4-in., \$8.00 100. Sprengerii, 2-in., \$2.00; 3-in., \$5.00; 4-in., \$7.00 100.
A. G. Fehr, Belleville, Ill.

Asparagus Sprengerii, very fine, 4-in. pots, \$6.00 100; 3-in., \$4.00 100; 2½-in., \$3.00 100.
CRITCHELL'S, Avondale, Cincinnati, O.

Asparagus Sprengerii, 2-in. pots, \$2.00 100. A. plumosus nanus, July, \$2.50 100. Cash.
Jos. H. Cunningham, Delaware, Ohio.

Asparagus Sprengerii seedlings, extra strong, 75c per 100; 2-in. pots, \$1.50 per 100.

A. A. Harper, 1618 E. 6th Ave., Pine Bluff, Ark.

Asparagus Sprengerii, 2-in., \$2.00; 3½-in., \$2.50; 3-in., \$3.00 100. Express prepaid.
LOOMIS FLORAL CO., Loomis, Cal.

Fine plants of Asparagus Sprengerii; 2000 plants, 3-in. pots, \$3.50 per 100.

JOHN HACK, Fort Scott, Kan.

Asparagus Sprengerii, 2½-in., extra strong, \$3.00 100. Ready for 3 and 4-in. now.
Geo. M. Brinkerhoff, Springfield, Ill.

Asparagus Sprengerii, extra good for 6 and 8-in. pots, \$25.00 to \$35.00 100.

A. Duebendorfer, Elwood, Ind.

Asparagus Sprengerii, 2-in., \$2.00 100. A. plumosus, 2½-in., \$3.50 100.
STORRS & HARRISON CO., Painesville, O.

Asparagus Sprengerii and plumosus, extra strong, 2-in., \$3.00 100.

C. BETSCHER, Canal Dover, O.

Asparagus Sprengerii, 2, 3 and 4-in. Plumosus, 2, 2½, 3, 4 and 5-in.

Geo. A. Kuhl, Pekin, Ill.

ASPARAGUS PLUMOSUS NANUS.

Cut strings, 50 cents each.

W. H. ELLIOTT, BRIGHTON, MASS.

Asparagus plumosus, 2½-in., \$3.50 100; \$30.00 1000.

Wm. F. Kasting, Buffalo, N. Y.

Asparagus Sprengerii, from flats, 75c 100; \$5.00 1000.

Chas. Alf & Co., Austin, Texas.

Asparagus plumosus, strong, 2½-in., \$4.00 100.

NATHAN SMITH & SON, Adrian, Mich.

Asparagus Sprengerii, 2½-in., \$2.50 per 100.

Ocala Greenhouse Co., Ocala, Fla.

Asparagus Sprengerii 2-in., \$2.00 100.

John Brod, Niles Center, Ill.

Asparagus plumosus, all sizes.

A. S. MACBEAN, Lakewood, N. J.

ASPIDISTRAS.

Aspidistra, green, 4-in., \$25.00 100.

A. G. Fehr, Belleville, Ill.

ASTERS.

Asters, from 3-in. pots, 3c each. Cash.

M. F. LA ROCHE, Collingdale, Pa.

BAY TREES.

Bay Trees. Have just received a fine lot of standards and pyramids.

F. W. O. Schmitz, Prince Bay, N. Y.

Among our specialties, bay trees, boxwood, palms, evergreens, etc.

BOBBINK & ATKINS, Rutherford, N. J.

Bay Trees. Largest stock in America.

JULIUS ROEHR, Rutherford, N. J.

BEGONIAS.

Begonia Gloire de Lorraine, 2½-in. pots, \$15.00 per 100. Write for prices on large lots. Stock guaranteed absolutely free from disease.

THOMAS ROLAND, Nahant, Mass.

Rex begonias, a number of the best varieties, 2-in., \$4.00 100. Begonia aurea manicata, 2-in., \$4.00 100.

N. O. CASWELL, Delavan, Ill.

Begonia incarnata, 2½-in., \$4.00 100. Begonia manicata aurea, 2½-in., \$6.00 100.

NATHAN SMITH & SON, Adrian, Mich.

Begonia Vernon, strong plants from flats, showing bud, \$1.00 and \$1.50 per 100.

I. E. BAILEY, Swampscott, Mass.

Begonia Gloire de Lorraine, strong 2-in., July delivery, \$15.00 100, \$140.00 1000.

J. H. Rehstock, 586 Main St., Buffalo, N. Y.

Mixed begonias, from 2½-in. pots, 3c each.

M. F. La Roche, Collingdale, Pa.

BERRIED PLANTS.

Jerusalem cherry, from 2½-in. pots, 2½c each. Celestial peppers, 3-in., 5c each. Cash.

M. F. La Roche, Collingdale, Pa.

Christmas peppers and Jerusalem cherries. Have fine lot of plants, 2½-in. pots, at \$2.50 100.

JOHN BONNER, 301 Beecher st., Syracuse, N. Y.

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Among our specialties, boxwood, bay trees, palms, evergreens, etc.

BOBBINK & ATKINS, Rutherford, N. J.

BULBS.

Choice strains of florists' BULBS and SEEDS our specialty. Send for trade catalogue.

SCHLEGEL & FOTTLER CO., Boston, Mass.

Freesia bulbs, extra selected, 50c 100, \$4.00 1000; large, 35c 100, \$2.50 1000. Amaryllis Beladonna, ready to bloom, \$1.00 doz., \$8.00 100. Narcissus paper white, extra size, \$1.00 100, \$7.50 1000; large size, 75c 100, \$5.00 1000. Calla lilies, 6-in. circ., \$5.00 100, \$45.00 1000; 5-in., \$4.50 100, \$40.00 1000; 4-in., \$4.00 100, \$35.00 1000; 2½ to 3-in., \$2.50 100; \$22.50 1000.

F. LUDEMANN,

3041 Baker St., San Francisco, Cal.

Calla Bulbs now ready and they are fine.

100, 1000

1 to 1½-in. diameter \$3.50 \$30.00

1½ to 2 -in. diameter 5.00 45.00

2 to 2½-in. diameter 7.00 65.00

Delivered.

CALIFORNIA CARNATION CO., Loomis, Cal.

FREESIA BULBS, 1½-in. and up, \$3.00 per 1000; ¼ to ½-in., \$1.25 per 1000. Prepaid. Cash with order.

COTTAGE NURSERY, San Diego, Cal.

Bulbs, Plants, Seeds, Hyacinths, Tulips, Narcissus, Lilies, etc. Special prices on application.

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Lillium Harrisii, first shipment just received; fine, plump bulbs.

W. W. BARNARD & Co., 116 Kinzie St., Chicago.

Send for our annual trade list of bulbs, just published.

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Send for our bulb and plant catalogue.

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CACTI.

Cacti. Choice, strong cuttings and roots, 30 var., sold in no other way, \$3.00 100; \$2.00 per 50; 25, all different, \$1.50. Express only.

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CALADIUMS.

200 caladiums, 8c each.

David S. Beach, Bridgeport, Conn.

CANNAS.

Cannas Pierson, Henderson, Mme. Crozy, Souv. de Crozy, McKinley, Burbank, Alemania, F. Vaughan, Queen Charlotte and Egandale from 3 and 4-in pots, \$5.00 and \$7.00 100. Cash with order.

W. E. HALL, Clyde, Ohio.

Cannas, started plants from 3-in. pots, good selection of varieties, \$4.00 per 100.

STORRS & HARRISON CO., Painesville, O.

Splendid collection; stock fine. Write.

John Scott, Keap St., Brooklyn, N. Y.

500 cannas, 6c each.

David S. Beach, Bridgeport, Conn.

CARNATIONS.

FIELD-GROWN CARNATIONS.

	100.	1000.
Harlowarden, crimson	\$12.00	\$100.00
Marshall Field, variegated	12.00	100.00
Her Majesty, white	10.00	80.00
Tiger, variegated	10.00	75.00
Mrs. Nelson, pink	8.00	50.00
Mrs. Higginbotham, light pink	5.00	45.00
Palmer, scarlet	5.00	40.00
Golden Beauty, yellow	6.00	40.00
Cressbrook, pink	6.00	50.00
Gaiety, variegated	5.00	40.00
Enquirer, pink	5.00	40.00
Lawson, cerise	6.00	50.00
Prosperity, variegated	5.00	40.00
Norway, white	5.00	40.00
America, scarlet	4.00	30.00
Chicot, white	4.00	30.00
Roosevelt, crimson	5.00	40.00
Lorna, white	5.00	40.00
Flora Hill, white	5.00	40.00
White Cloud, white	5.00	40.00

OUR NOVELTIES FOR SEASON 1903-4.

ORDERS BOOKED NOW.

CRUSADER, scarlet seedling from Lawson

and Crane. RELIANCE, large pure white

FLAMINGO, scarlet (Marquisee), Indianapolis

cerise pink (Baur & Smith).

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FIELD-GROWN CARNATIONS.

It has been a good growing season and plants are in fine shape, strong and bushy.

100, 1000.

Lawson \$6.00 \$50.00 Chicago ... \$5.00 \$40.00

G. Angel 4.00 35.00 Hill 5.00 40.00

Joost 3.00 25.00 Q. Louise .. 5.00 40.00

Lord 3.00 25.00 Mrs. Ine .. 4.00 35.00

Triumph 4.00 35.00 Norway ... 5.00 40.00

Higginbotham 5.00 40.00 W. Cloud... 5.00 40.00

Crane 5.00 40.00 Bradt 5.00 40.00

Palmer 4.00 35.00

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded. Cannot accept orders for less than 50 of a variety.

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JOSEPH BANCROFT & SON, Cedar Falls, Ia.

Fine, bushy field-grown carnations. No stem-rot. Lawson, Dorothy, Marquis, Crane, White Cloud, \$5.00 100; Mary Wood, Morning Glory, Maceo, \$4.00 per 100.

HENRY BAER, Peoria, Ill.

Extra fine, healthy field-grown carnations, ready to plant. Lawson, Prosperity, Crane, Lorna, Angel, W. Cloud, Bradt, Marquis, \$6.00 100.

CHRIS. HANSEN, St. Paul, Minn.

Field-grown carnation plants. Lawson, Florida, Norway, White Cloud, \$5.00 100; White Bradt, Lillian Pond, \$12.00 100.

BASSETT & WASHBURN, 76 Wabash Ave., Chicago.

Field-grown carnations, 1st size, \$8.00 100; 2nd size, \$5.00 100. See displayed adv. for varieties. W. J. & M. S. Vesey, Ft. Wayne, Ind.

30,000 field-grown carnation plants. Prices and varieties upon application.

Isaac H. Moss, Govanstown, Baltimore, Md.

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Chrysanthemums.	100.	100.
Glory of Pacific, R. O.	\$1.50	2-in., \$2.00
Polly Rose, R. O.	1.50	2-in., 2.00
Halliday, R. O.	1.50	2-in., 2.00
Robinson, R. O.	1.50	2-in., 2.00
Bonnaillon, R. O.	1.50	2-in., 2.00
Niveus, R. O.	1.50	2-in., 2.00

H. F. PIGGOTT, South Brooklyn, Ohio.

Chrysanthemums. Good commercial varieties, 2½-in., \$25.00 1000; rooted cuttings, \$12.00 1000, our selection. Rooted cuttings of Yellow Eaton, Liger, Richardson, \$15.00 100; Chautauqua Gold, \$5.00 100; Estelle, \$3.00 100. Special discount on large orders.

POEHLMANN BROS. CO., Morton Grove, Ill.

Chrysanthemums. White and Yellow Jones, Mrs. Murdock, Henderson, Bonnaillon, Laven-der Queen, Appleton, Merry Christmas, Niveus, 2½-in. pots, clean, fresh stock, \$2.50 100; \$20.00 1000.

CRITCHELL'S, Avondale, Cincinnati, O.

Last call for chrysanthemums. We have several thousand strong plants of the best standard varieties, which we will close out at \$2.50 per 100; \$20.00 per 1000. Selection left entirely with us.

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Chrysanthemum Crema, the earliest yellow in the market; good for pot culture; strong plants out of 2½-in. pots, \$2.50 per 100.

J. H. FIESSER, 415 Summit Ave., West Hoboken, N. J.

300 Bonnaillon, 285 Appleton, 150 Wanemaker, 100 Jones, 430 Eaton, 170 Lager, 100 Maud Dean, strong plants, \$2.00 per 100. Cash with order.

H. W. FIELD, Northampton, Mass.

Col. Appleton, Jerome Jones and Merry Xmas chrysanthemums, strong young plants, 2 and 2½-in., \$3.00 100.

ISAAC H. MOSS, Govanstown, Baltimore, Md.

100,000 rooted A1 chrysanthemum cuttings in all standard varieties. For prices write

WM. SIM, Cliftondale, Mass.

Chrysanthemums, 2½-in. pots, \$20.00 1,000. Write for list of varieties.

Crabb & Hunter, Grand Rapids, Mich.

Pompon chrysanthemums, 50 varieties, \$2.00 100; \$17.50 1000.

R. Vincent, Jr. & Son, White Marsh, Md.

Leading chrysanthemums in pots or out, \$5.00 per 100. David S. Beach, Bridgeport, Conn.

CLEMATIS

Large-flowered clematis, 2-yr., from 5-in., 18c; 1-yr., from 3-in., 9c. C. paniculata, 2-yr., from 5-in., 10c; from 6-in., 18c.

W. H. Salter, Rochester, N. Y.

COLEUS.

Coleus, fancy, 2½-in. pots, 60c 100; \$5.00 1000.

L. D. ROBINSON, JR., Springfield, Mass.

Coleus in variety, \$2.00 100; \$17.50 1000.

R. Vincent, Jr. & Son, White Marsh, Md.

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Have a surplus of several thousand crotons in about 20 varieties and offer as follows until sold:

Per 1000.

Strong cuttings, well rooted, \$10.00

Good plants, 6 to 8-in., from flats, 15.00

Fine plants, 8 to 12-in., from 3-in. pots, 20.00

Carefully packed for express. Cash with order.

A. L. HATCH, Rockledge, Florida.

CYCAS

Cycas revoluta stems, ½ to 3 lbs., \$50 lbs. to case, by the case, \$4.50 per 100 lbs.; less than case, \$6.00 per 100 lbs.

C. H. JOOSTEN, 201 West St., New York.

CYCAS STEMS, 2 to 3 lbs., 4 to 5 lbs., and 6 to 7 lbs., \$7.50 100 lbs.; \$65.00 1000 lbs.

Stump & Walter Co., 50 Barclay St., N. Y.

Cycas revoluta, the long leaf var., stems from ½ to 6 lbs., \$7.50 per 100 lbs.

F. W. O. Schmitz, Prince Bay, N. Y.

CYCLAMEN.

Cyclamen per. giganteum; large-flowered, 3-in., \$5.00 100.

S. Whitton, 15 Gray Ave., Utica, N. Y.

DAHLIAS.

500 whole dahlia roots, best mixture of named cactus and show varieties, all colors, \$2.00 100; \$15.00 1000. Satisfaction guaranteed.

A. B. DAVIS & SON, Purcellville, Va.

DAHLIAS. For plants, bulbs or cut blooms, write

W. P. PEACOCK, Atco, N. J.

EUCHARIS.

Eucharis grand., free-flowering sort. Will give three to four crops of bloom each year. Flowers better and much freer than Eucharis Amazonica. Strong flowering-bulbs (growing), \$5.00 100; small, fl.-bulbs, \$5.00 100.

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FERNS.

THE PIERSON FERN. Demand unprecedented! Now is the time to invest in it and get the benefit of the good prices which are sure to prevail another season. We offer strong young plants, 2½-in. pots, at \$9.00 per doz.; 50 plants at 60c each; 100 at 50c each; 500 at 45c each; 1000 at 40c each. Extra large plants, 6-in. pots, \$27.00 per doz.

F. R. PIERSON CO., Tarrytown, N. Y.

SEEDLING FERNS. 1000 flats, ready for pots, in best commercial varieties. Write us for list of kinds. If carefully divided, each flat will average about 400 plants; \$2.00 per flat, 12 flats \$21.00.

Ozone Park Nurseries, C. B. Knickman, Manager, Ozone Park, Long Island, N. Y.

FERNS. I make a specialty of small ferns for fern dishes, etc. Have a good assortment of the most hardy kinds and stock is in good shape. Nice, bushy stock, \$3.00 100; \$25.00 1,000.

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Boston ferns, 5-in., \$30.00 per 100. From beds, for 2, 3 and 4-in. pots, \$4.00, \$8.00, \$15.00 per 100. Cash or C. O. D.

GEO. M. EMMANS, Newton, N. J.

Boston and compacta ferns, all sizes. Write for prices. Bentzen Floral Co., 4025 Marcus Ave., St. Louis, Mo.

We are western headquarters for Pierson and Boston ferns. We have 'em in all sizes. Write.

GEO. A. KUHLE, Pekin, Ill.

Ferns for ferneries now ready. 15 different varieties, 2½-in., \$3.00 100; \$25.00 1000.

WM. F. KASTING, Buffalo, N. Y.

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W. C. BECKERT, Allegheny, Pa.

New crop seed of THORBURN'S superb pansy and Mme. Perret pansy now ready.
J. M. THORBURN & CO., 36 Cortlandt St., N. Y.

Pansy seed, New York Market strain, extra selected, \$2.50 per oz.
H. KUHNERT & SON, Hackensack, N. J.

Wholesale price list of seeds for florists and market gardeners.
W. Atlee Burpee & Co., Philadelphia, Pa.

Rawson's Arlington tested seeds for florists. Catalogue free.
W. W. RAWSON & CO., Boston, Mass.

The Florists' Manual, by William Scott, is a whole Library on Commercial Floriculture. Send for terms on the installment plan. Florists' Pub. Co., 334 Dearborn St., Chicago.

SMILAX.

Smilax, strong plants from 2½-in. pots, twice cut back, ready for planting, \$2.25 100; \$20.00 1000. Cash with order.

MADSEN & CHRISTENSEN, 170 Bidwell Ave., Jersey City, N. J.

Smilax, 1000 left; strong plants out of 2½-in. pots, cheap to close out. Ask for price.
J. H. Flessner, 415 Summit Ave., West Hoboken, N. J.

Smilax, 3000 strong 2½-in. pots, \$2.00 per 100, \$17.50 per 1000. Cash with order. H. P. Owen, Central Valley Greenhouses, Toughkenamon, Pa.

2000 smilax, 3½-in., \$2.00 per 100. Fine, stocky plants. Cash with order.
ROSEMONT GARDENS, Montgomery, Ala.

Smilax, 2½-in., extra strong, cut back, \$2.00 100; 2-in., fine, \$1.50 100.

Geo. M. Brinkerhoff, Springfield, Ill.

Smilax, fine plants from 2-in. pots, \$2.00 per 100. Cash with order.

WM. KEIR, Pikesville, Md.

Smilax, strong, out of 3-in. pots, ready for planting, \$4.00 100.
Chas. Krombach, 181 25th St., Brooklyn, N. Y.

Smilax, strong 3-in., \$3.00 per 100. Cash or C. O. D.
WM. SWAYNE, Box 226, Kennett Square, Pa.

1000 nice, 2-in. smilax, at \$1.00 per 100 to clear. Joseph Bancroft & Son., Cedar Falls, Ia.

Smilax, 2-in., strong, cut back, \$9.00 1000; \$1.00 100. Cash. R. Kilbourn, Clinton, N. Y.

Smilax, strong 2-in., \$1.50 100. Bentzen Floral Co., 4025 Marcus Ave., St. Louis, Mo.

Smilax, nice strong plants, 2-in., \$1.00 100. Krueger Bros., Toledo, Ohio.

Smilax, strong 2½-in., \$1.25 100; \$10.00 1000. Buckley Plant Co., Springfield, Ill.

Smilax, fine plants, 2½-in. pots, \$2.00 100. F. Walker & Co., Louisville, Ky.

Smilax, 2-in., extra good, \$2.50 100. Cash. A. Duebendorfer, Elwood, Ind.

Smilax, 2½-in., \$1.75 per 100. Cash, please. Burnell & Totman, Randolph, Vt.

2000 extra fine 3-in. smilax, \$2.50 100. N. METZ, Dayton, Ohio.

Smilax seedlings, 50 cents per 100. S. S. Pennock, 1612 Ludlow St., Philadelphia.

Smilax, extra strong, \$2.00 per 100. The Stafford Greenhouses, Marquette, Mich.

Smilax, strong 2-in. \$1.25 per 100. John Brod, Niles Center, Ill.

Smilax, 2 and 2½-in., \$1.50 100. Ocala Greenhouse Co., Ocala, Fla.

Smilax, \$2.00 100. R. Vincent, Jr. & Son, White Marsh, Md.

BUSINESS BRINGERS—
REVIEW Classified Ads.

STEVIAS.

Stevia, dwf. or tall, from 3-in. pots, 3c each. Variegated, 5c each. Cash.

M. F. LaRoche, Collingdale, Pa.

Stevia, 2-in., \$22.00 1000; 3½-in., \$35.00 1000; rooted cuttings, \$12.00 1000.

Poehlmann Bros. Co., Morton Grove, Ill.

Stevia, cut back, \$20.00 1000. Crabb & Hunter, Grand Rapids, Mich.

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STRAWBERRY PLANTS.

75,000 pot-grown strawberry plants. If planted now will produce a full crop of large, luscious strawberries in 1904. We have these in stock in fifteen of the best varieties. Submit your list of wants for special low quotations.

T. J. DWYER & SON, Box 20, Cornwall, N. Y.

I have the finest line of POT-GROWN strawberry plants in the East; 15 of the best varieties, and the prices are right. Send for my list.
WILFRID WHEELER, Concord, Mass.

SWAINSONAS.

Swainsona alba, 2½-in., \$2.00 100. R. Vincent, Jr. & Son, White Marsh, Md.

SULTANAS.

White sultana, Platyapetala, flowers large, pure white, with red dot in the center. Now is the time to stock up for the coming season. IT SELLS. Strong plants, \$1.00 per doz.
N. O. CASWELL, Delavan, Ill.

UMBRELLA PLANTS.

Umbrella plants, 3-in., \$3.00 100; 4-in., \$15.00 100.

Bentzen Floral Co., 4025 Marcus Ave., St. Louis, Mo.

Umbrella plants, 2-in. strong, selected, \$2.00 100; 6-in., 20c each; seed pkt., 25c. Cash. Mayer & Son, Willow Street, Lancaster Co., Pa.

Umbrella plants, 2½-in., \$2.00 100; 5 and 6-in. pot plants, 20c each.

F. WALKER & CO., Louisville, Ky.

Umbrella plants, 2½-in., \$3.00 100. Nathan Smith & Son, Adrian, Mich.

VEGETABLE PLANTS.

CABBAGE—Jersey and Charles Wakefield. Early Flat Dutch, Early Deep-Head, Early All-Head, and other varieties, 25c per 100; \$1.25 per 1000.

CELERY—White Plume, Golden Heart and other varieties, \$1.00 per 1000.

TOMATO—Acme, L. Beauty, Stone, Paragon, Dwarf Champion, Atlantic Prize and other varieties, ready for transplanting, 15c per 100; \$1.00 per 1000. EARLIANA and PONDEROSA, 30c per 100; \$2.00 per 1000.

ENDIVE—\$1.00 per 1000; \$8.50 per 10,000.

PARSLEY—20c per 100.

EGG—New York Improved, 25c per 100; \$2.00 per 1000.

PEPPER—Bull Nose, Sweet Mountain and Ruby King, 25c per 100; \$2.00 per 1000.

If wanted by mail, add 10c per 100. Send for price list. See our flower plant adv. Cash with order.

R. VINCENT, JR. & SON, White Marsh, Md.

Celery plants for everybody. Transplanted, stocky plants. Far superior to those usually sold. Golden Self Branching, White Plume, Giant Pascal, Fin de Siecle, Schumacher, Perfection Heartwell, Erfurt Celeriac. Per 1000, \$2.50; 500, \$1.25; 250, 75c. In lots of 5000 and over, \$2.00 per 1000. Cash with order.

W. B. DURIE, Rahway, N. J.

VEGETABLE PLANTS. 500,000 celery, White Plume, Giant Pascal and other varieties, field-grown, \$1.00 per 1000; same var., strong transplanted plants, \$2.50 per 1000. Cash with order. LUDWIG MOSBAEK, 8500 Anthony Ave., South Chicago, Ill.

Celery, strong transplanted plants, well-hardened, \$2.00 1000; \$8.00 for 5000. White Plume and Boston Market. Cash, please.

R. Kilbourn, Clinton, N. Y.

CELERY PLANTS. Strong and stocky, \$1.10 1000, f. o. b. here. Cash. Low express rates. UNION SEED CO., L. B. 126, Kalamazoo, Mich.

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VERBENAS.

Lemon verbenas, 2½-in., \$2.50 100.

R. Vincent, Jr. & Son, White Marsh, Md.

VINCAS.

We are booking orders for field-grown vincas, Oct. and Nov. delivery, \$3.00 per 100. Cash. Dann & Son, Westfield, N. Y.

Vinca major, 6-in., \$3.00 doz.

L. H. Foster, Dorchester, Mass.

500 vincas, 5c each.

David S. Beach, Bridgeport, Conn.

VIOLETS.

15,000 Farquhar, Imperial and Marie Louise violets from 3-in. pots. All sand rooted from clean stock, Feb. and March struck. Ready the last of Aug. Booking orders now at \$3.50 per 100; \$30.00 per 1000.

A. J. THOMPSON, 757 Campbell Ave., New Haven, Conn.

Violets. I will be ready by Sept. 1st with my stock violet clumps. Clean and healthy Campbellas, Princess of Wales, Swanley Whites and Californias. 20,000 field clumps and 2½-in. plants. By the violet grower.

A. B. CAMPBELL, Cochranville, Pa.

I have the largest and healthiest stock of PRINCESS OF WALES violets in the country. Am booking orders now for strong young plants, at \$2.00 per 100; \$15.00 per 1000.

Wm. Sim, Cliftondale, Mass.

Marie Louise Violets, 2½-in. pots, \$25.00 per 1000. Plants from soil, \$15.00 per 1000. Healthy plants, ready for planting.

J. Bennett, Blue Point, L. I., N. Y.

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VIOLETS—Continued.

Violets, Marie Louise and Lady Campbell, good, strong, healthy plants, out of 3-in. pots, carefully packed, \$3.00 per 100; \$25.00 per 1000. Cash with order.

GEO. H. BENEDICT, Yorkville, N. Y.

MARIE LOUISE violets, 50,000 fine plants, ready to plant, \$2.00 100; \$15.00 1000. Cash. Samples for 10c.

GEO. T. SCHUNEMAN, Baldwins, L. I., N. Y.

Violets, Marie Louise, clean and healthy in every particular, 3-in. pots, \$5.00 per 100. Cash with order.

WM. J. CHINNICK, Trenton, N. J.

Violets, 1000 Lady Campbell and 100 Swanley White from 3-in., \$3.50 per 100; \$30.00 per 1000. Rhoten Bros. Co., Danville, Ill.

Imperial, M. Louise, Campbell violets, 3-in., \$4.00 100; \$35.00 1000.

Crabb & Hunter, Grand Rapids, Mich.

Violets Marie Louise, strong, healthy field-grown, \$2.00 100.

GEM NURSERY, Los Gatos, Cal.

WALL FLOWERS.

Wallflowers, 6 shades, \$1.00 per 100, prepaid. Gem Nursery, Los Gatos, Cal.

YUCCAS.

Two fine specimen plants of Yucca filamentosa, variegated leaf, height, 14-ft., in 14-in. pots. One has blossomed this season.

Fred Herring, Saugerties, Ulster Co., N. Y.

TO EXCHANGE

To Exchange—7 cages, 3 feet square, and will give alligator and other animals to purchaser of cages, for carnation plants. Or will sell cheap for cash. T. L. Metcalfe, Hopkinsville, Ky.

WANTED.

Wanted.—In possession of a fine tract of land, I seek contracts to grow about 40,000 to 50,000 roses. Planting time of hardy roses, November, 1903; other varieties in March and April, 1904. Our climate is one of the best in the United States for growing outdoor roses. My personal skill and knowledge, also personal supervision, will be a guarantee of well-grown plants.

Address a proposition, stating how many plants and of what class you want me to grow for you; also price you are willing to pay per 1000. BECKER, The Florist, Columbia, S. C.

Wanted—100 very young Acacia dealbata. Gem Nursery, Los Gatos, Cal.

CANE STAKES.

Japan bamboo cane stakes, 6-ft. long, 1000 in bundle, \$5.50; 2000 in bundle, \$10.00; 3000 in bundle, \$13.25; 5000 in bundle, \$21.00; 10000 in bundle, \$37.50.

H. H. BERGER & CO., 47 Barclay St., N. Y.

Japan bamboo plant stakes, 6 ft., ¼ to ¾ in., \$6.00 per 1000, \$11.00 per 2000; 3 ft., ¼-in., \$3.00 1000, \$5.50 per 2000.

C. H. Joosten, 201 West St., New York.

CUT FLOWER BOXES.

Hunt's LIBERTY Folding Boxes are PURE WHITE, almost waterproof and stronger than any other box on the market. Send for sample. Price no higher than the "cheap-looking" boxes usually sold.

E. H. HUNT, 76-78 Wabash Ave., Chicago.

CUT FLOWER BOXES, the best, strongest and neatest folding cut flower box made. Livingston Seed Co., Box 104, Columbus, O.

Our box sells on its merits.

Send for sample.

C. C. POLLWORTH CO., Milwaukee, Wis.

Star Florists' Boxes, Edwards & Docker Co., 16 and 18 N. Fifth St., Philadelphia, Pa.

Florists' Boxes, The J. W. Sefton Mfg. Co., 241-247 S. Jefferson St., Chicago.

DECORATIVE MATERIAL.

Oldest dealer in the United States in hardy cut fancy and dagger ferns. Write for prices. L. B. BRAGUE, Hinesdale, Mass.

Fancy and dagger ferns, laurel festooning, ground pine, sphagnum moss, etc. Crowl Fern Co., Millington, Mass.

Fancy and dagger ferns, laurel festooning, leucothoe sprays, bouquet green, etc.

H. M. Robinson & Co., 11 Province St., Boston.

Leucothoe sprays, fancy ferns, green sheet moss, sphagnum moss, etc.

L. J. Kreshover, 110 W. 27th St., N. Y.

Fancy and dagger ferns, evergreens, etc. Good stock, low prices.

A. J. Fellouris, 468 Sixth Ave., New York.

Galax, ferns and leucothoe sprays are our specialties. N. Lecakes & Co., 53 W. 28th St., N. Y.

For southern wild smilax write

Caldwell The Woodsman Co., Evergreen, Ala.

EVERYTHING FOR FLORISTS.

Write for quotations on your wants to

E. F. WINTERSON CO.,
45, 47, 49 Wabash Ave., Chicago.

The CHEAPEST way, the EASIEST way, and the BEST way to get rid of that surplus stock is to use the REVIEW'S classified ads.

FERTILIZERS.

Pure pulverized sheep manure and unleached hardwood ashes. Send for sample and price.

J. L. Elliott, South Bethlehem, Pa.

FLORAL DESIGNS.

Wax Flowers and Wax Floral Designs. J. Stern & Co., 1923 Germantown Ave., Phila.

GALAX LEAVES.

Galax, bronze or green, and small green galax for violets.

L. J. Kreshover, 110 West 27th St., N. Y.

GALAX LEAVES. Bronze or green. A. J. Fellouris, 468 Sixth Ave., New York.

GALAX LEAVES, green or bronze. N. Lecakes & Co., 53 W. 28th St., New York.

GALAX LEAVES, green or bronze. Crowl Fern Co., Millington, Mass.

GALAX LEAVES, green or bronze. H. M. Robinson & Co., 11 Province St., Boston.

GLASS, ETC.

We make a special greenhouse putty. Price on application. Lord & Burnham Co., Irvington-on-Hudson, N. Y.

Florists' Specialties in Glass, Paint and Putty. Instructive advertising free for the asking. Write JOHN LUCAS & CO., Philadelphia, Pa.

Glass (new), 75 boxes 18x20 double strength A and 30 boxes 16x24 single strength A.

F. Walker & Co., Louisville, Ky.

Importers and jobbers of greenhouse glass.

WHEELER-STENZEL CO.,
30 Sudbury St., Boston, Mass.

Greenhouse glass, paint and putty are our specialties. Casper Limbach, Pittsburg, Pa.

Greenhouse glass a specialty. Sprague, Smith Co., 207-209 Randolph St., Chicago.

Greenhouse glass and putty a specialty. C. S. Weber & Co., 10 Desbrosses St., N. Y.

HOSE.

Bull-dog hose, 7 ply, guaranteed; ¾-in., 16c ft. U. Cutler Ryerson, Newark, N. J.

Good Hose. J. G. & A. Esler, Saddle River, N. J.

INSECTICIDES.

Use SULPHO-TOBACCO SOAP and have clean, healthy plants. Sample free cake if you mention 'The Florists' Review.'

LARKIN SOAP CO., Buffalo, N. Y.

Tobacco dust, fresh stock, \$1.75 100 lbs.; stems about 100-lb. bales, 1c per lb. W. W. Barnard & Co., 161 Kinzie St., Chicago.

SURE CURE WASH for all insect life and mildew, etc., on roses, orange trees, etc. Trade pkt. by mail, 25c.

GEM NURSERY, Los Gatos, Cal.

Rose Leaf Extract of Tobacco will save you money. For free booklet write KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

NICOTICIDE kills all greenhouse pests. Sold by all seedsmen.

LEAF MOLD.

Leaf mold, highest quality, pure and clean. Prices furnished on application.

Gloede, Evanston, Ill.

PAINT AND PUTTY

TWEMLOW'S OLD ENGLISH GLAZING PUTTY. An old article when goods were made for quality, not cheapness. It lasts a lifetime and is the best article today for all greenhouse glazing. Makes a firm, lasting bed for glass, unaffected by heat or cold. No leaky sash-bars when this is used.

1-gallon can (16 lbs.).....\$ 1.25
5-gallon can 5.00
10-gallon can 12.00
20-gallon can 23.00

E. H. HUNT, 76-78 Wabash Ave., Chicago.

POTS

Standard Pots. We are now ready to supply a superior quality of pots in unlimited quantities. Catalogues and price lists furnished on application.

A. H. Hews & Co., North Cambridge, Mass.

Standard Flower Pots. If your greenhouses are within 500 miles of the Capital, write us; we can save you money. W. H. Ernest, 28th and M Sts., N. E., Washington, D. C.

Flower Pots. Before buying write us for prices. Geo. Keller & Son, 361-363 Herndon St. (near Wrightwood Ave.), Chicago.

Those RED pots. The right kind. C. C. POLLWORTH CO., Milwaukee, Wis.

Red pots. Write for prices and sample pot. Colesburg Pottery Co., Colesburg, Iowa.

SPHAGNUM MOSS.

Sphagnum moss of first quality. Can ship at a moment's notice—2 bales, \$1.50; 10-bale lots, \$6.00. Z. K. JEWETT & CO., Sparta, Wis.

Fresh 5-bbl. bale, \$1.25; 3 bales, \$3.25; 5 bales, \$5.00. H. R. Akers, Chatsworth, N. J.

Sphagnum moss. Write for prices on large quantities. Crowl Fern Co., Millington, Mass.

Sphagnum moss, selected, 5-bbl. bale, \$2.50. U. Cutler Ryerson, Newark, N. J.

Sphagnum moss. Write for prices. H. M. Robinson & Co., 11 Province St., Boston.

TIN FOIL.

American brand FLORIST FOIL—The standard foil of America.

John J. Crooke Co., 155 Ave. D, New York.

TOOTHPICKS.

Wired toothpicks, 10,000, \$1.50; 50,000, \$6.25. Sample free. For sale by dealers.

W. J. COWEE, Berlin, N. Y.

Wired toothpicks, box of 10,000, \$1.50.

W. W. Barnard & Co., 161 Kinzie St., Chicago.

WIRE SUPPORTS.

Model Extension carnation supports and galvanized rose stakes. Parker-Bruen Mfg. Co., 208 Jersey St., Harrison, N. J.

Model Extension carnation supports; also galvanized rose stakes and tying wires. Igoe Bros., 226 North 9th St., Brooklyn, N. Y.

WIRE WORK.

Galvanized wire plant stakes at rock-bottom prices. N. F. McCarthy & Co., 84 Hawley St., Boston, Mass.

We are the largest manufacturers of wire work in the west. E. F. Winterston Co., 45, 47, 49 Wabash Ave., Chicago.

We are manufacturers—no middleman's profits. C. C. POLLWORTH CO., Milwaukee, Wis.

Emil Steffens, Manufacturer of Florists' Wire Designs. 335 East 21st St., New York.

Reed & Keller, 122 W. 25th St., New York.

Manufacturers of Wire Designs.

E. H. Hunt, 76-78 Wabash Ave., Chicago.

BOSTON.**The Market.**

Nothing doing! Never more quiet; no particular harm being done because only a few goods are coming in now; the tired plants are gone on strike. Money is off on a vacation, too, with only a stray dollar around now and then. A curious condition is on at the wholesale market, which I notice every year, but never quite so early in the season. If a man really offers to pay for his small purchase, he shows up a big bill. On first sight you think all hands are flush, but no; it is one he has saved up from last winter for just this purpose. But there is some one all the time running around trying to break a big bill.

Expectations are discounted a few years by a financial explosion down on Hawley street. Creditors of Geo. A. Sutherland have their \$7,500 of hopes blown up but now hope to save \$4,000. These affairs are occurring so regularly growers ought to be getting used to it and not minding, but on the contrary they criticize and question savagely. It seems to be the custom to allow men in all kinds of business to keep along on a claim of money due them from customers "soon to come in." You can do nothing. This situation hits the flower business especially because of the perishable nature of the goods and the generosity of the plants at times. And if those growers now in the business refuse credits, new growers spring up like mushrooms in a night and extend unlimited terms. The Sutherland creditors have placed their

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affairs in the hands of a committee consisting of Messrs. Elliott, Sheldon, Buttermworth, McFarlane and Stewart.

Accounts vary, but all agree that "Bill" Anderson went to Norumbega Park. Some say that while there he bit a poor innocent bear. Others say a bear bit him, and at last accounts the poor bear was alive and not expected to survive. The most probable account to those who best know Bill's disposition is that he accommodately held his finger between the bars of the den and let the bear chew upon it. His finger looks that way, too.

The baseball microbe infests the business, but not seriously. Elliott's Brighton team gave the Waban Roses a run of 15 to 11 and his New Hampshire boys gave a Dover team instruction to the tune of 9 to 8. He is soon to match his two teams together, and watch the sparks fly.

J. S. MANTER.

SYRACUSE, N. Y.

Demise of Henry Burt.

Henry Burt, one of the leading florists of the city died on the evening of July 19. Mr. Burt had been in poor health for a few weeks past, but death came unexpectedly. He was able to be up and about the house all day and was apparently in better spirits than usual. He had eaten a hearty supper and had just retired when he was seized by an attack of heart failure from which he never rallied. His daughter and a physician were immediately sent for, but before they could arrive death had resulted.

Mr. Burt, was 78 years of age, was born in Sanderhurst, England, and came to this country about fifty-two years ago. For about fifteen years he conducted a vegetable farm in the vicinity of this city and his person and market carts were well known all over town at that time. A little more than thirty years ago he established the business as florist which he continued to conduct up to the time of his death. In this business he became even better known than before and won a wide reputation, both as a successful business man and grower.

Mr. Burt is survived by his wife, who was formerly Miss Harriet Barnes, also of England, to whom he was married fifty-two years ago. There are also two sons, Alfred Burt of this city and Albert Burt of Buffalo, and a daughter, Mrs. L. Light of this city.

PLAN FOR PIPING.

Where I am building, the temperature falls to 20 to 30 below zero every winter and cold winds are strong from the northwest. I want to heat the houses by hot water, so that it will not be necessary for someone to stay up all night. I enclose sketch of the houses and would like to know how to pipe and the cost of a boiler which will do the work.

W. H. LEARING.

I would place the boiler cellar at the west of the potting shed and from here run a separate set of 2-inch flow and return mains to the palm house, connecting them to eleven lines of 2-inch pipes in coils of six (three flow and three returns) under each of the two side benches. A 6-inch flow main should start from the boiler and extend overhead northward through the palm house till

Surplus List of PEONIES for 1903

These varieties have all bloomed on our place and are true to name, and are not at all mixed. We make no charge for packing. The sizes given are as follows:

Small—Being plants of one or two stalks of this year's growth. **Medium**—Being plants of three to five stalks of this year's growth. **Large**—Being plants of six or more stalks and represents one, two or three-year-old plants.

Orders subject to stock being unsold and will be booked in rotation as received. These prices will not hold good after we begin digging and shipping September 1. To customers wishing a few plants we refer to our descriptive catalogue of last year and can generally give plants of same size as those there listed at prices given. Mailed on request.

WHITE SORTS.

- No. 6 **Drop White**—Early, fancy white, splashed with carmine, 300 small at 40c each.
No. 7 **Queen Victoria or Whiteley**—Best early white for storage, 200 small at 30c each.
No. 11 **Couronne d'Or**—Late, large, ivory white, 35 small at 75c each.
No. 13 **La Tulipe**—Blush white, tulip markings, mid-season, 45 small at 50c each.
No. 15 **Hume Alba**—Rose shaped, flesh pink, late, 40 small at 40c each.
No. 38 **Marie Lemoine (Callot)**—Early, blush white, 50 medium at 60c each.
300 fine, pure white, small, 25c each.

PINK SORTS.

- No. 101 **Carnea Elegans**—Early, commercial, pink, 100 small at 30c each.
No. 106 **Triomphe de l'Exp. de Lille**—Mid-season, pale rose pink, high center, 60 medium at 60c each; 65 large at \$1.00 each.
No. 111 **Victoire Tricolor**—Large rose guard, mixed pink center, very fragrant, mid-season, 50 small at 40c each.
No. 114 **Sidonie**—Early, pink guard, darker center, 30 small at 80c each.
No. 135 **Lady Leonora Bramwell**—Early, solid silver pink, 200 small at 50c each.
No. 165 **Count de Cussy**—Mid-season, delicate pink, fragrant, 20 medium at 45c each; 35 large at 75c each.
300 one-year-old plants, mostly pink, from our best sorts at 10c each.

ROSE SORTS.

- No. 201 **Pres. de Montsay**—Late, dwarf, massive rich rose, 30 large at 50c each.
No. 218 **Mme. Geissler**—Immense rose, late, 100 small at 50c each.
No. 220 **Hume**—Late, very full, rose, 50 small at 25c each.
No. 221 **Jules Callot**—Late, deep rose red, 30 medium at 40c each.
No. 243 **Furst Bismarck**—Large, rose guard, anemone, 20 medium at 40c each.

RED SORTS.

- No. 303 **Rubra Triumphans**—Bright, early crimson, 100 small at 35c each.
No. 315 **L'Eclatante**—Blood red, 50 small at 40c each.
No. 326 **Purpurea Superba**—Deepest red, early, 100 small at 50c each.

SINGLE JUNE-FLOWERING SORTS.

- No. 02 **Tatarica**—Single white, original type, 7 small at 50c each.
No. 0202 **Celestial**—Single rose (Thos. Ware), 17 large at \$1.00.
No. 0301 **Adam Bede**—Single, crimson (Kelway), 4 large at \$1.50 each.
No. 0304 **Albiflora Purpurea**—Single, crimson (Thos. Ware), 11 small at 50c each.
No. 0305 **Stanley**—Single, deepest maroon (Kelway), 7 large at \$1.50 each.
No. 0307 **Mikado**—Single, Japanese crimson, golden filigree cushion, late 25 small at \$2.00 each.

This list supersedes the one recently sent out.

PETERSON NURSERY, 164 So Salle Street, Chicago.

Mention The Review when you write.

in line with the ridge of the eastern plant house, then run south to the carnation house, taking off a 2½-inch connection for the plant house, a 3-inch flow to the rose house, a 3-inch flow for the smilax and plant house and continue 3½-inch to the carnation house. The 6-inch main can be reduced proportionately as the several laterals are taken off.

In the plant house twelve lines of 2-inch pipes, in addition to the overhead main, will be needed in the rose house, seventeen lines of 2-inch pipes, in the smilax house fourteen lines, in the plant section of the smilax house twelve lines, in the carnation house fourteen lines. All pipes in these houses will be returns, and will grade downward toward the west end where they will connect to a return main running across the ends of the houses below the floor line in a northerly direction to the boiler in the cellar. This main return will be 5-inch at its connection to the boiler and will reduce proportionately in its run south as the several laterals are connected. The boiler cellar should be at least six and one-half feet deep below the floor line of the carnation house at its western end.

A suitable hot water boiler would cost approximately \$400 in Chicago. I cannot estimate cost of pipes as I do not

know the prices ruling at the nearest distributing center. For a range such as W. H. L. describes I should be inclined to use steam in preference to water heat; especially in view of the extremely low temperatures experienced.

HENRY W. GIBBONS

PIPING.

We have a house 16x50, north and south, new and tight, no side lights but glass in end. How many runs of 2-inch pipe, how distributed, will be required from a six horse-power horizontal boiler?

R. C.

Eleven lines of 2-inch hot water pipes should be placed in the sixteen feet wide house, four lines being placed under each of the outside benches and three lines under the center bench. The flow main should be taken from the top of the boiler and the return main enter the boiler at or near the bottom. The top of the boiler should be below the floor level of the greenhouse.

HENRY W. GIBBONS.

TACOMA, WASH.—F. J. Schmidt has invested \$600 in a lot 127x155 on Sixth avenue, on which he will build a greenhouse.

DENVER, COLO.

Heavy Loss by Hail.

Denver was visited by a very heavy hail storm July 24, which did a great deal of damage, just about a month later than the storm which struck us last year. The stones did not fall very thickly but in size they were record breakers. The following is a list of the losses of greenhouse glass: The Colfax Avenue Floral Co., 10,000 to 12,000 lights; Park Floral Co., 5,000 lights; Daniels & Fisher, half their glass; Mrs. R. Mauff, 5,000 lights at the retail stand, not much loss at the wholesale place, while W. C. Walters, not two blocks away, lost 9,000 lights, about one-third of his total. Emil Glauber lost 70 per cent of his glass, there being only fifteen whole panes left in his large Beauty house. Joe Esslinger lost every light, Newlander & Rollin about sixty per cent and Walters & Richmond 1,750 lights. Fred Hall got off with the loss of 200 panes, Gallup Floral Co., 150 lights, and the public parks about 250 panes. The losses of others were small. Outdoor stock was not seriously damaged, although canna beds were cut up quite a little.

Trade is very light just now, practically nothing doing but cut flower work. Roses retail for \$1 a dozen, carnations 35 cents to 50 cents.

THORN.

INDIANAPOLIS, IND.

Two more of our younger members of the craft have joined the ranks of the benedicts. On July 7 Thos. B. Pritchard, designer and decorator at Wiegand's, was married to Miss Mary L. Meyers. After a trip through the east they have returned and are now at home to their friends at 1515 N. Illinois street. The other is Clarence R. Green, who was married to Miss E. C. Stevens. Clarence has for several years had charge of the retail department of his brother-in-law's business, E. A. Nelson. They have gone to housekeeping at 3507 N. Senate avenue and will be at home to their friends after September 1. Both of these young men are very popular with the craft and all wish them a long and happy married life.

A. B.

Primroses....

Nice strong plants from 2½-in. pots, best varieties.

Chinese.....\$2.50 per 100; \$20.00 per 1000
Obconica - Alba and Rosea, \$2.50 per 100;
\$20.00 per 1000. Cash.

OECHSLIN BROS., 1688 West Madison St.
CHICAGO.

Mention the Review when you write.

LOW PRICE! QUICK PROFIT!
The Anna Foster Fern.

Small 3 to 4 frond plants \$10 per 100. \$80 per 1000. Beautiful plants cut from bench at \$35, \$50 and \$75 per 100. Pot plants, 3-in., \$20 per 100; 6-in. \$1. 7-in. \$2. 8-in. \$3 each. 10,000 KENTIA PALMS.
L. H. FOSTER, 45 King St., Dorchester, Mass.

Mention Review when you write.

GRAND RAPIDS VIOLET STOCK.

Fine 3-inch at \$4.00 per 100. \$35.00 per 1000, of Imperial, M. Louise and Campbell.
Chrysanthemums, 2½-inch at \$20.00 per 1000.
Stevia, cut back, at \$20.00 per 1000.

Crabb & Hunter, Grand Rapids, Mich.

Mention the Review when you write.

FINISHED PLANTING, HAVE A SURPLUS OF
Fine, Clean, Thrifty ROSE PLANTS

3½-inch Maids.....	\$45.00 per 1000	3½-inch Gates.....	\$45.00 per 1000
3½-inch Beauties.....	61.00	3-inch Ivory.....	45.00
3-inch	50.00	3½-inch Perles.....	50.00
2-inch	35.00	2-inch Meteors, Maids.....	20.00

STEVIA. 2-inch. \$22.00 per 1000; 3½-inch.....\$35.00 per 1000
Rooted Cuttings..... 12.00

MUMS { Our selection of good commercial var., 2½-inch.....\$25.00 per 1000
Our selection Rooted Cuttings of good commercial var..... 12.00
Yellow Eaton, Liger, Richardson, Rooted Cuttings..... 15.00 per 100
Chautauqua Gold, \$5.00 per 100; Estelle..... 8.00

Special discount on large orders.

POEHLMANN BROS CO., MORTON GROVE,
ILL.

Mention Review when you write.

Four-inch Am. Beauty Plants...

Choice stock, at \$8.00 per 100.

Carnation Field Plants Number
one plants.

Lawson, Floriana, Norway, White Cloud, \$5.00 per 100.
White Bradt, Lillian Pond, \$12.00 per 100.

ALL PLANTS SHIPPED FROM HINSDALE, ILL.

BASSETT & WASHBURN, 76
Wabash Ave., CHICAGO

Mention The Review when you write.

Winter Flowering Roses.

Fine healthy stock from selected cuttings. Sunrise, American Beauties, La France, 3-in pots, \$9.00 per 100; 4-in. pots, \$12.00 per 100.

Brides, Maids, Golden Gates, Meteors Safrano, Bon Silene, Mme. Hoste, Papa Gontier, 3-in. pots, \$7.00 per 100; 4-in. pots, \$10.00 per 100.

GRAFTED ROSES. Fine bushy plants in 3½ and 4-in. pots.

Liberty, Ivory, \$18.00 per 100. Brides, Maids, Golden Gates, Kaiserin, \$15.00 per 100.

J. L. DILLON, BLOOMSBURG, PA.

Mention Review when you write.

Roses
...to Force.

	100	1000
Brides, Maids, Gates, 3-in.....	\$4.50	\$40.00
Ivory, Meteors, very strong, 3 in....	5.00	45.00
Brides, Maids, Golden Gates, 2½-in.,	2.50	22.50

This is vigorous, clean stock, in the best possible condition to plant for forcing. You will find it good strong value at these prices.

Write us about several hundred feet of 4-in. hot water pipe in first-class order. Price low.

W. H. GULLETT & SONS, - - Lincoln, Ill.

Mention the Review when you write.

Celery Plants
FOR EVERYBODY.

Transplanted stocky plants, far superior to those usually sold.

VARIETIES—Golden Self Blanching, White Plume, Giant Pascal, Fin de Siecle, Schumacher, Perfection Heartwell, Erfurt Celeriac per 1000, \$2.50; 500, \$1.25; 250, 75c. In lots of 5000 or over, \$2.00 per 1000. Cash with order.

W. B. DU RIE, RAHWAY, N. J.

Mention Review when you write.

Pansies The
Jennings
Strain.

New crop seed now ready. Large flowering, finest colors, in great variety. By mail 3000 seed, \$1.00; ½-pkt., 50c; 1 oz., \$5.00; 2 oz., \$9.00. 3 oz., \$12.00. Separate colors in blue, black, red, white and yellow, 50c pkt. Cash with order.

E. B. JENNINGS,

Lock Box 254. SOUTHPORT, CONN.

Grower of the Finest Pansies.

Mention Review when you write.

YOU CAN PLANT AT ANY TIME ROSES
FROM 4 AND 5-INCH POTS.

Crimson and Yellow Rambler, Coquette de Blanches, Clothilde Soupert, etc., fine, clean plants 9c. Large flowered Clematis, finest purple, lavender, white and pink sorts, 2 year, from 5-inch pots, 15c; 1-year, from 3-inch, 9c. Clematis Paniculata, 2-year, from 5-inch pots, 10c; extra from 6-inch, 18c. Ampelopsis Vetchill, fine, from 5-inch, 15c; 4-inch, 10c; from 3-inch, 5c. Also fine young stock, this season's propagation—Large flowered Clematis, 3½-inch, 6c. Clematis Paniculata, 3c. Amp. Vetchill 3c. Rooted cuttings—Hydrangea P. G., 2c. Weigelia Rosea and variegated, 2c. Japan Goldleaf Honeysuckle, 2c. Packed free for cash.

W. H. SALTER, ROCHESTER, N. Y.

Mention Review when you write.

GOLD MEDALBY
...The Society of American Florists...

AUGUST, 1902.

The only Gold Medal ever awarded
by the National Society.**GOLD MEDAL**BY
The Massachusetts Horticultural Society

MARCH, 1902.

A rare distinction, having been awarded only a very
few times in the history of the Society.**THE PIERSON FERN.****Nephrolepis
Piersoni.**The most valuable novelty intro-
duced in many years.**GOLD MEDAL**

The Horticultural Society of New York

MAY, 1902.

For the Best
HORTICULTURAL NOVELTY.The highest hon-
ors that can be
bestowed on any
horticultural
novelty in Amer-
ica, and an in-
dorsement never
before received
by any new
plant, testify-
ing to the
sterling
merits of
Nephrolepis
Piersoni.Send
for our
circular
telling all
about this
great novelty.**SILVER MEDAL**AT THE
Great NEW YORK SHOWFOR THE BEST
New and Meritorious
Plant of Amer. Origin.**GOLD MEDAL**AT THE
...BIG KANSAS CITY EXHIBITION...FOR
New Plant of Sterling Merit.**SILVER MEDAL**AT
San Francisco Flower ShowMAY, 1903.
HIGHEST AWARD POSSIBLE.

We offer strong young plants, 2½-in. pots, at \$9 per doz.; 50 plants at 60c each; 100 plants at 50c each; 500 plants at 45c each; 1000 plants at 40c each. Extra large plants, 6-in. pots, \$27 per doz.; 50 plants at \$1.80 each; 100 plants at \$1.50 each. These large plants will make fine stock for growing on into large specimens for fall trade, and they are also very nice for immediate sales.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

CLEVELAND.

The Market.

The wholesale trade has experienced a good demand for choice blooms and has, at times, been unable to fill orders. At the same time poor stuff goes begging. Prices have not changed. Gladioli are coming in more plentifully and will soon be in full crop. Also many varieties and colors of the earlier asters are seen. A great deal of funeral work has been turned out the past week, and it seemed to be scattered all over the city, giving almost all of the florists a share.

Various Notes.

There are rumors of a new retail store on Euclid avenue.

Isaac Kennedy was in the city last week, and is looking well and hearty, showing no trace of his late sickness. He says that everything is going nicely at his place. The roses are showing a fine growth and he will soon be able to cut.

L. F. Darnell, manager of the J. M. Gasser Company, has returned from a two weeks' vacation trip to his old home.

S. N. Pentecost is also one of the lucky ones who have had their vacation. Sam took two weeks away from his work and had a splendid time.

F. L. Evans is missing this week from the store of the F. R. Williams Co., a sort of preliminary vacation.

P. J. Probeck has nearly completed his range of houses on Doan street, having everything in such shape that he could leave for a visit to the old country.

Cleveland expects to be well represented at the Milwaukee convention.

Mr. and Mrs. H. A. Hart left a few days ago for an extended trip through Europe.

WASHINGTON, PA.

The Washington Floral Company has nearly completed seven short-roofed greenhouses 14x150. Roses are already set in three houses, and three will be planted to carnations in the early part of August. The remaining house will be used for a general assortment of plants.

Warrick Brothers are building five short-roofed houses for growing vegetables.

A. D. Forrest has nearly completed four large houses for roses.

ORDER ROSES AT ONCE

Following varieties and sizes in stock:

Meteors, 2 and 2½-in.; Brides, 2, 2½ and 3-in.; Maids, 2, 2½, and 3-in.; Kaisers, 2 and 4-in.; Beauties, 2 and 3-in.; Liberty, 2, 2½ and 3-in.; Golden Gate, 2, 2½ and 3-in.; La France, 2 and 3-in.; Belle Siebrecht, Pres. Carnot, 2-in.; Ivory, 2 and 3-in.; Woottons, 2 and 3-in.

Piersoni and Boston Ferns

We are headquarters in the west for them.

BOSTONS—4, 5, 6, 7, 8 and 10-inch.

PIERSONI—2½, 4, 6 and 8-inch.

PLUMOSUS—2, 2½, 3, 4 and 5-inch.

SPRENGERI—2, 3 and 4-inch.

WRITE

GEO. A. KUHL, PEKIN, ILL.

Dreer's Special Offer
....of Araucarias.

We have in stock about fifteen thousand Araucarias, on which we are in a position to offer special values. It will pay you to procure your next winter's supply now and not only gain the benefit of the summer's growth, but also cheap transportation rates, as these plants can be safely shipped by fast freight during the summer months.

5-in. pots, 8 to 10 in. high,	3 tiers....	Each. \$0.50
6-in. " 12 to 15 " "	3 to 4 " "	.... .75
6-in. " 16 " "	4 " "	.... 1.00
5-in. " 20 " "	4 to 5 " "	.... 1.25

Araucaria Robusta Compacta.

6-in. pots, 10 in. high, 2 to 3 tiers.....	\$1.25
6-in. " 12 " " 3 " "	.... 1.50
7 in. " 15 " " 3 " heavy..	2.00

Araucaria Excelsa Glauca.

5-in. pots, 8 to 10 in. high, 2 tiers..	\$0.75
6-in. " 12 " " 2 to 3 " "	.... 1.00
6-in. " 15 " " 3 " "	.... 1.25
7-in. " 18 " " 4 " "	.... 1.50
8 and 9-in. " 22 to 24 " " 4 " "	.... 3.50

The plants at \$3.50 are exceptionally fine symmetrical specimens, spreading fully 30 inches.

Our current Wholesale List offers the most complete list of Palms and other Decorative stock that we have ever been in position to offer, and we especially call attention to our stock of Kentias which alone covers over two acres of greenhouse space. Lillium Harrisii and Freesia bulbs now ready. New crop Pansy, Myosotis, Primula now in.

HENRY A. DREER, 714 Chestnut St., Philadelphia.

Mention The Review when you write.

Roses--
To Close

Having finished planting, we offer the following surplus stock—THRIFTY PLANTS:

150 AMERICAN BEAUTIES, 4-inch,	8c each.
100 GOLDEN GATES, 8-inch,	3c each.

Also GOLDEN GATES, from 2½-in. pots, \$2.00 per 100; \$17.50 per 1000.

WM. B. SANDS,
LAKE ROLAND, - - BALTIMORE, MD.
Mention The Review when you write.

FOR SALE.

4-inch Maids.....	\$6.00 per 100
4-inch Meteors.....	6.00 "
3-inch Perles.....	5.00 "
3-inch Beauties.....	5.00 "

Pittsburg Rose & Carnation Co.
Gibsonia P. O., Pa.

Roses EXTRA STRONG

American Beauty.....3½-in.....	\$10.00 per 100
Golden Gate.....3½-in.....	8.00 per 100

H. WEBER & SONS, Oakland, Md.
Mention the Review when you write.

Asparagus Sprengeri!

2-inch pots.....	\$2.00 per 100
2½-inch pots.....	2.50 "
3-inch pots.....	3.00 "

We prepay express charges and guarantee satisfaction.

LOOMIS FLORAL CO., - - LOOMIS, CAL.
Mention The Review when you write.

BEAUTY

Plants from 3-inch pots, \$6 per 100; \$50 per 1000. Also a few thousand

GOLDEN GATE, 2½-inch, \$2.50 per 100; \$20 per 1000.

IVORY, 2-in., \$3 per 100; \$25 per 1000.

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG,
51 Wabash Ave., Chicago.
Mention The Review when you write.

SUNRISE ROSES!

From 3-inch pots, \$9.00 a 100.

JOHN WELSH YOUNG,

GERMANTOWN, PA.

Upsal Station, Penn. R. R.

Mention the Review when you write.

Brides and Maids

Strong plants, 3-inch pots, \$5.00 per 100.

Charles E. Meehan, Slocum & Musgrave Sts.
Germantown, Pa.
Mention The Review when you write.

Clearance Sale
Rose Plants

1000 Am. Beauties, 3-inch.....	\$35.00 per 1000
4000 Meteors, 3-inch.....	25 00 "
1500 " 3½-inch.....	30.00 "

BRANT & NOE, Forest Glen, Chicago, Ill.

Palms and Ferns!

WE HAVE A FINE LINE IN ALL SIZES.

Also ASPARAGUS and SMALL FERNS for Ferneries.

OUR STOCK WILL PLEASE YOU.

C. C. POLLWORTH CO., Milwaukee, Wis.

LOOK!

From 2½-inch pots: **Jerusalem Cherry**, **Hydrangea Otaksa**, pink or blue, **Genista**, large flowering variety, 2½ cents each.

From 8-inch pots, **Stevia**, dwarf or tall variety, 8 cents.

Celestial Pepper, 5 cents.

Variegated Stevia, 5 cents.

Mixed Begonia, from 2½-inch pots, 3 cents.

English Ivy, from 8-inch pots, 5 cents.

Asters, from 8-inch pots, 8 cents.

All these plants are large and strong and are ready to shift. Cash.

M. F. LaROCHE, Collingdale, Pa.

Mention The Review when you write.

Don't Miss This

If you wish to secure stock of the following superb bedders: **S. A. Nutt** (crimson), **Alph. Ricard** (scarlet), **E. G. Hill**, **Beaute Poitevine** (salmons), **Jean Viaud** (pink), **Mrs. E. Buchner** (white). Strong plants from 2½-inch pots at rooted cuttings' prices — \$1.50 per 100; \$15.00 per 1000. **Smilax**, strong 2½-inch plants, \$1.25 per 100; \$10.00 per 1000.

THE W. T. BUCKLEY PLANT CO.

SPRINGFIELD, ILL.

Mention The Review when you write.

MARIE LOUISE VIOLETS.

Only a few thousand left. Fine plants, ready to plant, at \$2.00 per 100 or \$15.00 per 1000. Send for sample, 10c. Cash with all orders. Don't wait or you will be left like last year.

GEO. T. SCHUMERMAN,
Violet Range, Baldwins, L. I., N. Y.

CYCLAMEN.

Nothing but the best giganteum persicum, large flowered, 8-inch, ready for 4-inch, \$5.00 per 100. **Asparagus Sprengerii**—From flats, ready for potting up, \$1.00 per 100; \$6.00 per 1000. 500 for \$26.00. 2¼-inch, \$1.50 per 100; \$12.50 per 1000. **A. plumosus nanus**—2¼-in., \$4.00 per 100. **Primula Forbesi**—Baby primroses, 2¼-in., \$1.50 per 100; 400 for \$6.00.

SAMUEL WHITTON, 15-17 Gray Ave., UTICA, N. Y.

Peacock's Dahlias

For plants, bulbs or cut blooms. Address

W. P. PEACOCK,

Dahlia Specialist. ATCO, N. J.

YOU will find...
ALL the **BEST** offers
ALL the time in the Review's Classified Advs.

BAY TREES, PALMS

And Other Decorative Stock.

Orchids Just Received.

Fine importation of **Catt'eya Trianae** and **Phalaenopsis Amabilis** and **Schilleriana**, etc. Ask for prices or call and inspect stock.

JULIUS ROEHRS, Rutherford, N. J.

Mention The Review when you write.

Primroses. Asparagus.

Chinese, 2-in. pots, July.....\$2.00 per 100
Obconica, alba and rosea..... 2.00 "
Forbesi, "Baby"..... 2.00 "
Pussy Seed, Ne plus ultra, August. 4.00 per oz.

Sprengerii, ready August 15.....\$2.00 per 100
Plumosus nanus..... 2.50 "
Narcissus, paper white grandifl.,
Sept. 1..... 1.00 "

CASH, PLEASE.

JOS. H. CUNNINGHAM, - - Delaware, Ohio.

Mention The Review when you write.

Last Call. 'MUMS

We have several thousand strong plants of the best standard varieties, which we will close out at \$2.50 per 100; \$20.00 per 1000. Selection left entirely to us.

NATHAN SMITH & SON, Adrian, Mich.

CHRYSANTHEMUMS

Strong young plants in 2 and 2½-inch pots: **Col. Appleton**, **Jerome Jones** and **Merry Xmas**, \$3.00 per 100.

ASPARAGUS

Plumosus and **Sprengerii**, strong plants from 2¼-inch pots, \$3.00 per 100; \$25.00 per 1000.

Asparagus Plumosus, 500 strong plants from bench, \$10.00 per 100.

ENGLISH IVY, strong plants from 3-inch pots, \$5.00 per 100.

30,000 field-grown **CARNATION PLANTS**, prices and varieties on application.

I. H. MOSS, Govanstown, Baltimore, Md.

Always Mention the....

Florists' Review
When Writing Advertisers

BEACH the Florist Leads WHY NOT BUY DIRECT

100 Pearls..... { 2 years old }.....\$3000 Brides
100 Meteors..... { 10c straight }.....1000 Maids.
10,000 Geraniums, all kinds and colors, 5c straight
500 Vincas..... 5c "
1000 E. Ivy..... 10c "
500 Cannas..... 6c "
200 Caladiums..... 8c "
1000 Fuchsias..... 8c "
Leading Mums, in pots or out.....\$5.00 per 100

Two Windmills, Corcoran make, 12 ft. and 16 ft., mostly new. 600-bbl. Cedar Tank, one No. 15 Hitchings' Boiler and 300 ft. of 1¼ and 2-in. Pipe, ready to set up. Correspondence solicited.

DAVID S. BEACH,

P. O. Box 253. BRIDGEPORT, CONN.

ORCHIDS.....

Arrived in fine condition—**Cattleya Citrina**, **Epidendrum Nemorale**, **E. Vitellinum Majus**, **Odontoglossum Citrosium**, **O. Maculatum**, **O. Reichenheimii**, **Oncidium Cavenishianum**, **O. Ornithorhynchum**, **O. tigrinum unguiculatum**, **O. varicosum Rogersii**, **Phalaenopsis Amabilis** and **P. Schilleriana**. Write for prices.

Lager & Hurrell, Growers and Importers, Summit, N. J.

Mention Review when you write.

PerennialPhlox.

A fine lot of mixed phlox consisting of 15 choice varieties 8-inch pots, extra strong plants, \$5.00 per 100.

Wagner Park Conservatories, Sidney, O.

Mention Review when you write.

DES MOINES, IA.

Trade is at its midsummer dullness. The hustle is over with the store man and at its meridian with the growers. The latter is getting in soil for his carnations and topping them in the field and, in fact, between his 'mums, carnations and soil and his desire to go to Milwaukee he finds himself busy despite the pouring rays of Old Sol, and the store man's call over the 'phone "to take a day off and go fishing with him." Then there are the usual repairs that the experienced man attends to, which the less experienced and thoughtless one lets go until about time to start the fires for winter.

There is some building this year. Chas. Brandtman is building two houses 18x100 on East Twenty-fifth and Walnut streets. Julius Liedig is removing his houses from the flooded district to West Seventeenth and Grand avenue. I cannot say as to whether he expects to enlarge or not. W. L. Morris will content himself with his present range and build early next year.

J. F. Marshall, who began to drop his pennies into a paint keg after the Asheville convention, so that he might go to Milwaukee, says the keg got mislaid and as an "American beauty" came to their home a short time back and, as they have five boys and this is a girl, he claims all this a good and sufficient excuse for remaining away from the Cream City. So in all, I fear our representation at the convention will be small.

Our parks are looking well, especially Union Park, where the floral display is the finest in the state and Mr. Fulmer has many compliments passed on it daily. The aquatic garden is also good, the nelumbiums and nymphaeas being especially fine. The shrubbery that was planted this spring at Union Park promises well and the park commissioners are to be commended for their work in this direction. J. T. D. F.

NEW BEDFORD, MASS.

The past week there has been quite a lot of funeral work but not much other trade. Sweet peas are more plentiful this week than last. Carnations are scarce and poor. Roses are coming better; Kaiserin is the leader.

The New Bedford Horticultural Club met July 25. Between fifteen and twenty members were present. William Keith presided and said the purpose of the meeting was to arrange for the fall flower show. Dennis Shea submitted a schedule. It was voted to add fruit to the list. It is planned to hold the show in City Hall, September 17 and 18. When the matter of judges came up, the members suggested that the services of James Parker, of Boston, be secured, while others favored selecting judges from their own members. It was finally voted to give the executive committee full power to select judges. The matter of admission fee was also left to the committee.

Chas. Bly has left the employ of W. L. G. Brown. C.

Glass.

10x12, 10x14, 16x24, A quality, double thick.
Send for prices.

J. L. DILLON, Bloomsburg, Pa.

Mention The Review when you write.

"Thripscide"

(REGISTERED)

Greenhouse Fumigating Powder

Is the newest and best article on the market to-day for the complete destruction of all insects that infest Greenhouses or Conservatories, being a special boon to Rose and Beauty growers and prepared particularly for the destruction of **Greenfly** and **Thrips**. There is nothing injurious in it to plant life, even the most delicate fern. It is especially recommended for: Beauties, Roses, Carnations, Chrysanthemums, Lilies, Smilax, Asparagus, Palms, Ferns, etc., and we claim that insects will be entirely eradicated when the houses are thoroughly fumigated with the powder. It is put up as follows:

1 lb. Tin Can.....\$.25
5 lb. Tin Can.....1.00
25 lb. Sealed Box.....4.50
100 lb Sealed Box.....16.50

Send for copy of testimonials. For reference we refer to Messrs. Bassett & Washburn, Hinsdale, Ill. Prepared by the Lilly-Lilly Chemical Co. and sold by

E. H. HUNT, 70-78 Wabash Ave., CHICAGO.

Mention The Review when you write.

CUT FLOWER BOXES.

WATERPROOF. Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. **Cheap, durable.** To try them once is to use them always.

Size	No.	Dimensions	Price per 100	Price per 1000
No. 0	3x4	x20	\$2.00	\$18.00
No. 1	3x4	x16	1.75	15.00
No. 2	3x6	x18	2.00	18.00
No. 3	4x8	x18	2.40	22.00
No. 4	3x5	x24	2.75	25.00
No. 5	4x8	x22	3.00	27.00
No. 6	4x8	x28	3.75	35.00
No. 7	6x16	x20	5.50	53.00
No. 8	3x7	x31	3.00	29.00
No. 9	5x10	x35	6.50	60.00

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

The Livingston Seed Co., Columbus, O.
Box 104.

Mention The Review when you write.

J. L. ELLIOTT,

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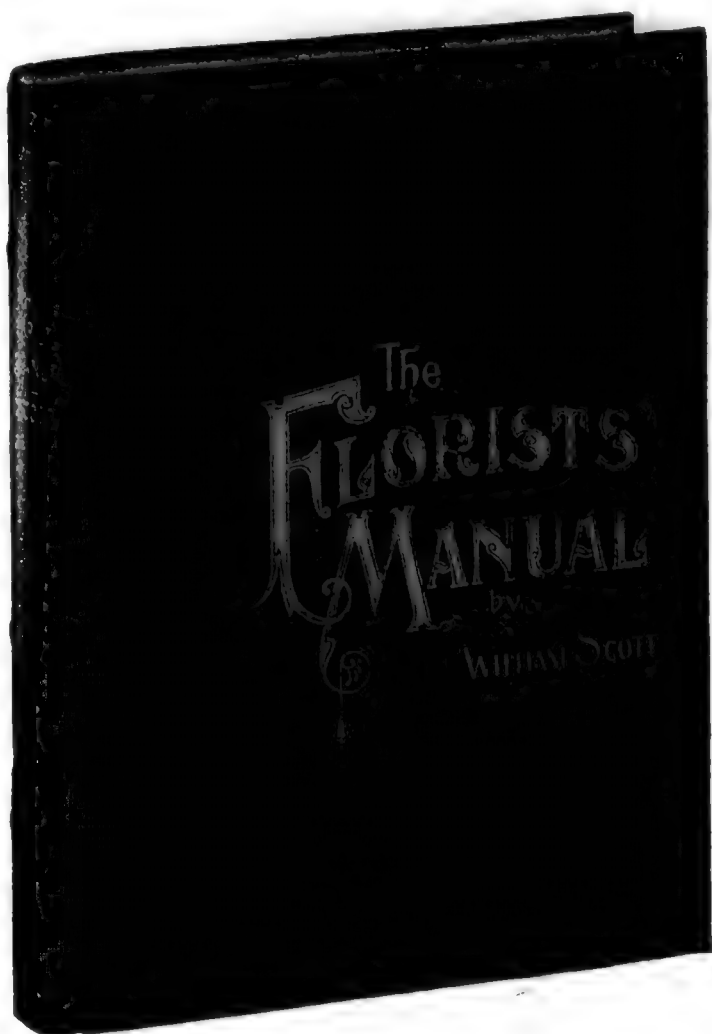
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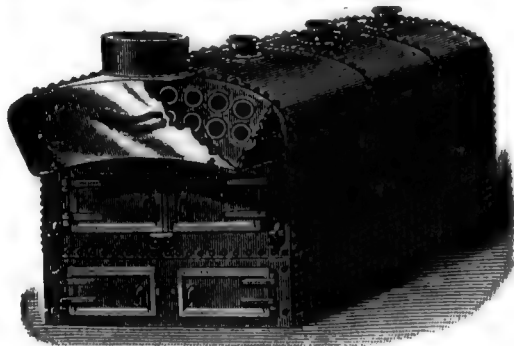
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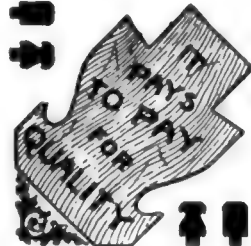


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INDEX TO ADVERTISERS.

This index covers only those having displayed advertisements. There is a host of others making offers in our classified ads. and they will be found there under their proper headings.

Allen, J. K.	362	Hansen, C.	360
Amling, E. C.	357	Hauswirth, P. J.	366
Aschmann, Godfrey	367	Heacock, Jos.	346
Baker, W. J.	361	Herr, A. M.	361
Ball, C. D.	363	Herrmann, A.	346
Barnard & Co.	345	Hicks & Crawbuck	363
Bassett & Washburn	364-74	Hill Co., E. G.	361
Bayersdorfer & Co.	346	Hippard, E.	380
Beach, D. S.	377	Hitchings & Co.	378-80-82
Beckert, W. C.	359	Holton & Hunkel Co.	365
Bencke, J. J.	366	Hunt, E. H.	364-74
Bentley & Co.	364	Igoe Bros.	380
Bentzen Floral Co.	367	Jacobs & Son.	382
Berger, H. H. & Co.	346	Jennings, E. B.	374
Bernheimer, E.	361	Johnson & Stokes	361
Berning, H. G.	365	Jurgens, Aug.	365
Bonnot Bros.	362	Kasting, W. F.	345
Bowe, M. A.	366	Kellogg, Geo. M.	361
Bradshaw & Hartman	362	Kennicott Bros Co.	345
Brague, L. B.	363	Kentucky Tobacco	383
Brant & Noe	376	Product Co.	383
Breitmeyer's Sons	366	Kramer & Son.	383
Brod, J.	367	Kreshover, L. J.	363
Bruns, H. N.	364	Kroeschell Bros. Co.	381
Buckley Plant Co.	377	Kuehn, C. A.	365
Budlong, J. A.	364	Kuhl, Geo. A.	376
Burpee, W. Atlee & Co.	359	Lager & Hurrell.	377
Caldwell Co., W. E.	362	Lange, A.	366
Caldwell The Woodsman Co.	361	Larkin Soap Co.	378
California Carnation Co.	367	La Roche, M. F.	377
Century Flower Shop	366	Lecakes & Co., N.	363
Chicago Carnation Co.	345	Limbach, C.	383
Clarke Bros.	366	Livingston Seed Co.	378
Clarke's Sons, David	366	Loomis Floral Co.	376
Classified Advs.	368	Lord & Burnham	383-84
Cottage Gardens.	363	Ludemann, F.	367
Cowee, W. J.	364	McCarthy & Co., N.F.	380
Crabb & Hunter	374	McConnell, Alex.	366
Crowl Fern Co.	363	McCullough's Sons.	365
Crooke Co., J. J.	380	McManus, James.	362
Cunningham, J. H.	377	McMorrin & Co.	382
Dearborn Engraving Co.	362	Meehan, C. E.	376
Dickinson Co., Albert	359	Michigan Cut Flower Exchange	365
Dietach, A. & Co.	380	Millang, C.	362
Diller, Caskey & Co.	382	Moninger Co., J. C.	381
Dillon, J. L.	374-78	Moon Co., W. H.	358
Dillon Greenhouse Mfg. Co.	383	Moore, Hentz & Nash	362
Dorner, F. & Sons Co.	367	Moss, Isaac H.	377
Drer, H. A.	376-83	Muno John	364
Dunn & Co., C. A.	361	Mott Seed & Bulb Co.	367
Dunne & Co.	346	Murphy, Wm.	365
Du Rie, W. B.	374	Nanz & Neuner	365
Eickholt, Mrs. Chas.	366	National Florists' Board of Trade	363
Elliott J. L.	376	N. Y. Cut Flower Co.	362
Ellis, F. M.	365	Niessen, Leo.	361
Florists' Hall Asso.	380	Oechalin Bros.	374
Foley, J. J.	362	Park Floral Co.	366
Foley Mfg. Co.	380	Parker-Bruen Co.	381
Foster, L. H.	374	Peacock, W. P.	377
Fehr, A. G.	363	Pennock, S. S.	360-61
Garland, Geo. M.	383	Perkins, J. J.	363
Garland, Frank	364	Peterson's Nursery	373
Gasser Co., J. M.	366	Philadelphia Wholesale Flower Market	363
Geller, Sigmund	346	Pierce Co., F. O.	381
Getmore Box Factory	378	Pierson Co., F. R.	345-75
Ghormley, W.	362	Pierson-Sefton Co.	383
Giblin & Co.	383	Pittsburg Cut Flower Co.	363
Gibbons, H. W.	383	Pittsburg Rose & Carnation Co.	376
Graham, H.	367	Poehlmann Bros.	364-74
Gude & Bro., A.	366	Pollworth Co.	377
Gullett & Sons	374	Quaker City Machine Works	383
Guttman, A. J.	383	Randall, A. L.	364
Hammond, J. A.	362	Rawlings, E. I.	362
Hancock, Geo. & Son	367	Rawson & Co.	359
		Rebstock, J. H.	359
		Reed & Keller	346
		Regan Ptg. House	378
		Reid, Edw.	361
		Reinberg, Geo.	364

Reinberg, P.	360-64-76	Stumpp & Walter	359
Rice, M. & Co.	346	Swanson, Aug. S.	366
Riedel & Spicer	362	Thorburn, J. M. & Co.	359
Robinson & Co.	346	Tobacco Warehouse	378
Rock, W. L.	366	ing & Trading Co.	378
Roehrs, Julius	377	Traendly & Schenck	363
Rupp, J. F.	361	Vesey, W. J. & M. S.	360
Ryerson, U. C.	380	Vincent, Jr. E. & Son	361
Salter, W. H.	374	Virgin, U. J.	366
Sampson, Wm.	363	Wagner Park Conservatories	377
Sands, W. B.	376	Weathered's Sons	382
Schlegel & Fottier	359	Weber, F. C.	366
Schmitz, F. W. O.	346	Weber & Sons	376
Schuneman, G. T.	377	Weiland, M.	366
Scollay, J. A.	383	Weiland & Risch	364
Scott, John	367	Whitton, S.	377
Scott, W.	366	Wiegand & Sons	366
Sheridan, W. F.	362	Wietor Bros.	364
Shibley	366	Williams Co., F. R.	361
Siebert, C. T.	383	Winterson Co., E. F.	360
Siebrecht & Son	366	Wittbold Co.	366
Stevens & Boland	366	Wilks Mfg. Co.	382
Sinner Bros.	364	Young, John	362
Skidelsky, S. S.	367	Young, J. W.	376
Smith & Son, N.	377	Young & Nugent	362
Smith Co., W. & T.	358	Young, Jr., W. J.	367
Sprague Smith Co.	383	Zirngiebel, D.	367
Stern & Co., J.	346	Zvolanek, A. C.	346
Stewart, S. B.	366		
Storrs & Harrison	367		

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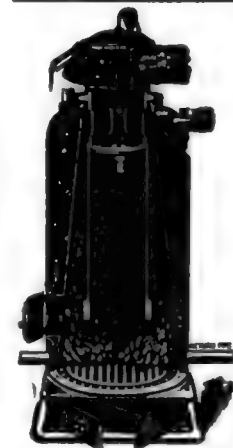
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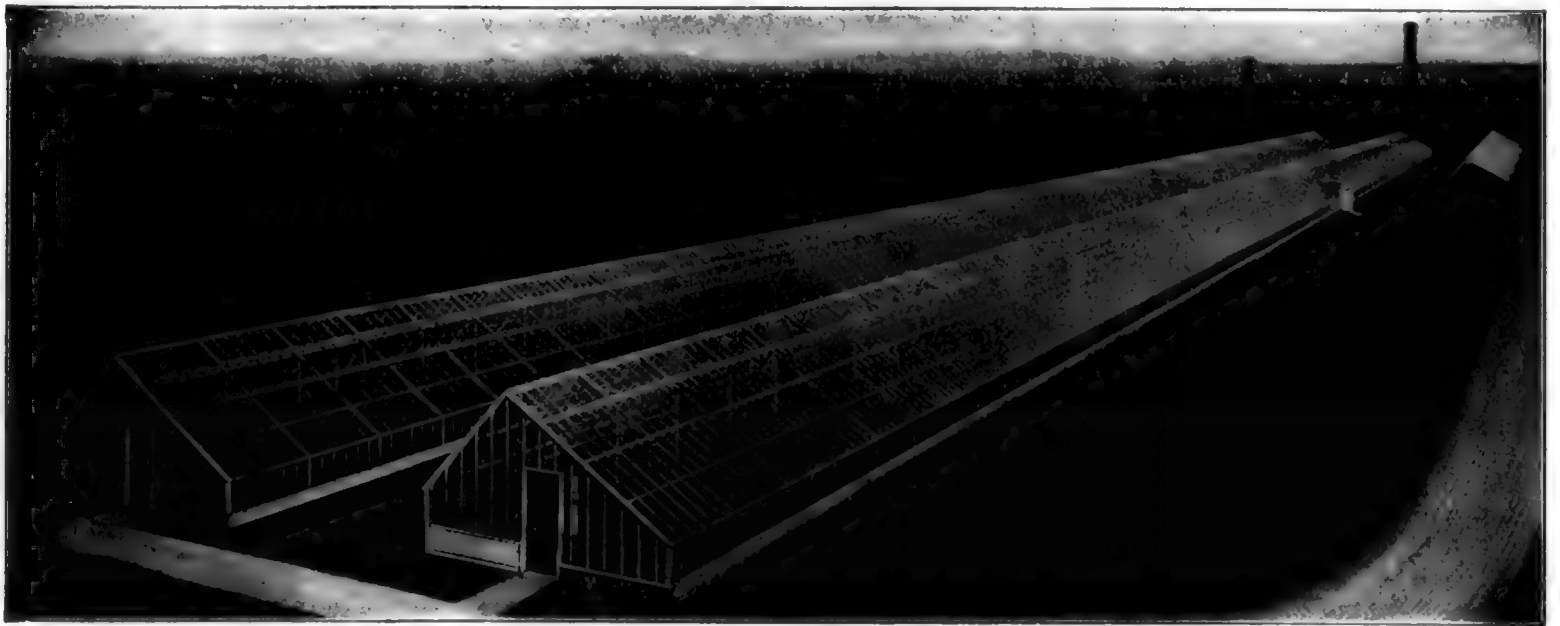
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A JOURNAL FOR FLORISTS, SEEDSMEN AND NURSERYMEN.
FLORISTS' PUBLISHING CO., 520-535 Oaxton Building, CHICAGO.

Vol. XII.

CHICAGO AND NEW YORK, AUGUST 6, 1903.

No. 297.

THIS SPACE BELONGS TO THE
F. R. PIERSON COMPANY

SEE OUR ADV. OF
Nephrolepis Piersoni
ON PAGE 386.

Rose Plants, Seeds and Ferns

100 each 3 and 4-inch Ivory; 100 Maids; 250 Brides, 3 and 4-inch—will clear out lot at \$4.00 per 100.

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(NEPHROLEPIS PIERSONI.)

There is nothing that you can plant that will increase in value so rapidly as this fern. The demand has been so great, and our advance sales so large, that we have not offered it recently, having only just completed filling advance orders. We have a nice lot of young stock coming on, and can fill all orders received from this date promptly on receipt. Even at the present high price it has been impossible to keep up with the demand, and there is sure to be a tremendous demand for it another season when it can be offered at lower prices. Now is the time to invest in it and get the benefit of the tremendous demand

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Fine plants, 3 feet \$1.25 each.

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¾-inch	\$0.15	\$0.45	\$3.50
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	12	100	1000
1½ to 1¾-inch diameter	\$0.65	\$4.50	\$40.00
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	12	100	1000
5x 7 f. o. b. New York	\$1.55	\$3.75	\$33.00
6x 7 f. o. b. New York65	4.25	40.00
7x 9 f. o. b. New York	1.00	8.00	72.00
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SHASTA DAISY25	2.00
Asparagus Sprengert. fresh crop ..	.20	1.00
Asparagus Decumbens, finest novelty ..	1.00	7.50
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Winter Flowering SWEET PEAS

Seed for forcing only.

ZVOLANEK'S CHRISTMAS—PINK.
FLORENCE DENZER—PURE WHITE.

Price—One pkt., 75c; 1 lb., \$2.50, mailed free. Not less than 75c worth will be sold. Sold only in my original packet, with directions.

Stock seed of this variety is carefully selected in my greenhouses from stems over 14 inches long. These two varieties, if sowed the first part of September, will bloom for Christmas. When planted in December, after latest mums, will bloom in February. New crop ready middle of August. Orders booked now and filled in rotation.

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CHRYSANTHEMUMS

EARLY VARIETIES.

If you are growing any of the very early varieties with the idea of cutting flowers from October 1 onward, it is high time to be selecting the buds, if any are yet showing on the plants. To get flowers early one must, of course, use the crown buds on these early varieties, or otherwise they will be early chiefly in name.

Such sorts as Lady Fitzwygram, Bergmann, Marquis de Montmort and October Sunshine may all have the buds taken with safety from August 1 onward, and as it takes a bud from forty to sixty days to develop, according to variety, you will be able to commence cutting by the last week in September, providing you need them so soon. Last year the early flowers sold very poorly, owing to the fact that there was such an abundance of outdoor flowers so late in the season. This year it may be the same, or, again, it may happen that a freeze may cut things down outside the first week in October, and in such a case the early 'mums are profitable.

Glory of the Pacific and its sports, Polly Rose, Cremo, Estelle, etc., should not have their buds taken before August 20. In my experience I have found that buds taken at an earlier date on Pacific either did not come good or blasted and did not come at all. Pacific comes quickly after the bud is taken, being generally ready to cut the first week in October.

Two varieties that I spoke highly of last year, being ready to cut by October 10, were Lady Harriet and Alice Byron. The buds on these two varieties were taken August 10 to 12 and they finished splendidly. Following closely on the two last named was Mrs. Coombes, which, from buds taken August 18, produced very fine flowers by October 12 to 15. Coombes is one of the best keeping pink 'mums that I know of and is planted extensively this year.

Following Coombes the varieties come in thick and fast and the market fills up rapidly. It is much too early yet to be taking the buds on the general run of the varieties and the ones I have mentioned are possibly not much grown except by those growers who want to get the crop cut out early. The last week in August is early enough for selecting the buds on such varieties as Mrs. Robinson, Eaton, Morel, etc., and for some varieties even later than that.

Red Spider.

Red spider often gets under the foliage at this time of year and is liable to become numerous in a very short time if not kept track of. If syringing is done constantly and properly, spider should not be troublesome, yet the fact remains that one seldom sees a house of chrysanthemums entirely free from it in August. When syringing one should endeavor all the time to wash the under side of the foliage and not worry about the top. It is a good idea to get a spraying attachment fixed on the hose

once in a while and with it spray every plant thoroughly. Caterpillars and other insects whose presence had previously not been suspected will be brought to light by this means. I have had flowers ruined by red spider before I noticed it, and if the plants are not clean before the bud shows color trouble may be looked for when spraying has to be discontinued. BRIAN BORU.

CARNATION NOTES—WEST.

After you have your plants well established and before you put on any supports you will need to give them a thorough cleaning of all dead foliage, etc. This is an operation that I have always hesitated in advocating on account of the danger to the plants that attends it. It will try your patience to the utmost and only your most careful and painstaking employees should be put at it. Not more than one man in a dozen is really capable of doing this work properly from morning till night. Our American people generally have too many nerves. They want to see some progress and in order to make a show their work is often slighted to the detriment of the object that is supposed to be benefited.

Remember that the roots are just taking hold of the soil and they are young and tender, and if you pull the plant around you are liable to break off many of them and thus check the plants' progress toward recovery. So handle them carefully. Don't gather as many leaves as you can, to be pulled off together, but

place for disease to enter the tissues of the plant.

The best time to do this is when the plants are dry, as the leaves will break easier then. Any leaves that are spotted or diseased in any way should be removed. While you are doing this you can also straighten up any plants that lean to one side after you first watered them after planting, as often happens.

A. F. J. BAUR.

CARNATION NOTES—EAST.

Care for Foliage.

The foliage of a plant may be said to be what our lungs are to us. Through this medium much necessary matter is absorbed; therefore it is most important that our attention be directed towards encouraging its perfect health lest some lurking disease obtain a foothold. Not only must we govern the supply of food and water, but surround our plants with those two life-giving agencies, light and pure air.

The question of light should have received your attention at time of house construction, but pure air may be lacking in the lightest of houses, either owing to insufficient or improper arrangement of ventilation, or on account of decaying vegetable matter being allowed to collect under the benches or elsewhere.

I am a firm believer in side ventilation and, if your houses are not so provided, would advise that some plan be devised to secure such, at least temporarily; then with doors at one or both ends and ample ventilation at the ridge one can, by observation, keep the air constantly changing without subjecting the plants to sudden changes or unnecessary blasts of wind.

Air rising from decaying matter, such as dead leaves, plants, weeds and rotten wood, can result in nothing but a pollu-



Milwaukee, with the City Hall in the Foreground.

pull off each leaf separately and instead of pulling straight away from the stem, give a side-ways pull, which will tear the leaf crossways right at the stem. The danger in the other way is that you will often pull a thread along with it and thus injure the bark on the stem. You can readily see that if this happens several times on a stem it will seriously cripple the plant, besides being a good

tion of the air, to say nothing of the breeding ground furnished for wood lice, snails, etc. Fungous diseases are often developed in a house where affected leaves and plants have been carelessly thrown about and left to await an opportunity to start afresh. See to it that your plants have congenial surroundings of every possible nature. After a thorough cleaning, give the space under the

benches a generous dusting of air-slaked lime.

Last season some of the new varieties were, with me, more or less affected with rust, but this year they are coming in practically free from it. I have never considered rust to be a dangerous affection; in fact, almost every variety of merit lately introduced has shown susceptibility to it.

The most that can be done for affected plants at this time is to remove all affected leaves. This, followed immediately by an application of grape dust over the plants, will mean the destruction of any rust mites that may have been shaken or left about the plants. Weekly applications for a month and then at longer intervals during the season will greatly assist in preserving the health of the plants.

Opinion differs as to the advisability of removing dead leaves from plants after digging and before benching. Our practice has been to remove the greater part at once after digging, also the few leaves which constituted the foliage of the plant when set in the field and which have grown to such a size as to impede that free circulation of air so necessary to the thorough drying out of the foliage when syringed or sprinkled. This removal of leaves can be done so much more handily and quickly before planting than after, that the mere trifle of delay occasioned is of little account when compared to the time that will be

of time, space and labor. Being a constitutional disease, there is no remedy but the destruction of affected plants, and extreme care in the selection of cuttings will eliminate the trouble.

GEO. S. OSBORN.

WORMS IN SOIL.

What can we do to eradicate worms, of which we enclose a specimen and which are now infesting the soil in our new benches, as well as old carnation benches, and eat into the buds. The soil used was taken from an old asparagus bed, heavily manured for the past thirty years, spaded but never plowed up. Is there any solution that can be used to spray the buds without injury to same or to soak the ground without injury to roots? There is no injury done to the roots by these worms, and seemingly, they only appear at night, eating into the hearts of the buds.

L. E. C.

The bud you sent with your inquiry showed plainly the damage that was done by the worm, but the worm was gone. You can destroy many of them by spraying your carnations with Paris green. Put a tablespoonful of Paris green into three gallons of water and keep well stirred while you spray it on the plants. Apply it in the evening and repeat it every other day if you syringe your plants every day, which you likely do

now. Sprinkle some fine tobacco dust on the soil and water it and see if that will not drive them out. Put about a 3-inch potful in a row across a 5 or 6-foot bench. This should only be done if the plants are pretty well established. I would not apply it more than half that heavy if the plants have only been planted a couple of weeks.

A. F. J. BAUR.

NOVELTIES FOR 1904.

Indianapolis, the result of a cross of Armazindy and Mrs. Joost, is to be distributed by Baur & Smith, of Indianapolis, who have grown it three years and have a stock of 10,000 plants. The color is a bright, clear pink and does not fade as the blooms age. The parentage is an indication of free blooming qualities, but the owners say that its floriferousness is remarkable when the size of the bloom is taken into consideration. The flower is well built up in the center, the calyx does not burst and the stem is long and strong. The habit of the plant is all that could be asked.

SOIL CARRYING MACHINE.

The accompanying illustrations are from photographs which show the new soil conveying machine, for emptying and refilling rose and carnation houses, used this season by the Lake View Rose Gardens, Jamestown, N. Y. The apparatus was built especially for us by the Engineering & Power Co., of Jamestown, who are also the designers.

The machine is a grand invention and a success for the purposes it was intended for and does the work in a remarkable manner. As the pictures show, the soil is carried in on an endless belt twelve inches wide, the machine being operated by an electric motor, although gasoline or steam power will answer the purpose just as well. The machine is portable throughout and is built in sections of ten feet, so that two men can handle and carry them easily. It is adapted to fit any length or width of house, having side conveyers for wide houses, and will drop the soil just where it is wanted.

One of the illustrations shows the "tripper," which is movable and runs on a railroad of 1-inch square iron. As will be seen, one man operates and moves along rapidly as the desired amount of soil is deposited in the beds.



Soil Conveying Machine used at Lake View Rose Gardens.

consumed in removing the leaves later.

A few weekly applications of Bordeaux mixture will reduce the chances of an attack of leaf spot to a minimum. While intensive cultivation is the best means to be employed in assisting the plants to outgrow bacteriosis. As this and other ailments are materially assisted by aphides, regular fumigation must be practiced.

Plants affected with dry rot should be pulled up and fresh plants put in their place. It is of no use to cut away the affected branches, leaving the seemingly healthy ones, as it is almost invariably but a question of a short time before the whole plant will succumb.

Assuming that a few are saved, there is danger of a mistake in taking cuttings from these at propagating time resulting in the appearance of the same trouble the following season. This is particularly undesirable, as dry rot has a faculty of not showing itself until after housing, thereby entailing a loss



Emptying Benches with Soil Carrying Machine.



Crusher and Elevator on Soil Carrying Machine.

Notice the belt full of soil as it goes up to the tripper, to be emptied on the bench, through the chute.

Another picture shows the men emptying a house and shoveling the soil into the hopper, depositing it on the belt on which it is carried very rapidly out and into the wagons. The hopper also runs on the railroad and is moved along as desired. It is twelve feet long and five men are used on each side, taking the entire house as they go. Houses 300 feet long and thirty-three feet wide, with five beds each five feet wide, can be emptied with this force in three and one-half hours, and to fill it takes only four and one-half hours, where it usually took a day and a half for each operation, with a much larger force of men. Besides, the machine empties directly into the wagons, as is shown in another picture. This is a decided advantage, having to handle the soil only once to take it where it is to go.

One of the many good points of this machine is its hopper, fitted with grinder and mixer as used when filling the houses. This is a roller four feet long, cast solid, with heavy, dull teeth. Ordinary stones do not affect it; they are broken and ground up, while if a big stone gets in, the sides of the hopper are fitted with springs that readily release it. The soil can be had in any desired way, fine or coarse, by setting the springs on each side of the hopper. It is then carried into the buckets, up the elevator and dumped down the chute on the belt, which carries it on to the tripper.

Another good point is the reversible elevator which both fills and empties the houses and can be reversed in ten minutes. Pictures show this in both positions and it is quite important, for, after the machine is set up in a house, it is never changed until the house is finished, and the quickness in changing the elevator from emptying to refilling keeps our teams busy all the time, for as soon as the last load of soil is out of the house, they commence bringing the new soil back, so that not a minute is lost.

The machine is a decided advantage over wheelbarrows or any other contrivance in the florists' world today, both in economy and as a time saver, besides the advantages gained in early planting. It is a twentieth century idea and for large plants something besides the old-fashioned way must be adopted. Large con-

cerns cannot get along without a machine of this kind; besides the machine will save its cost in one year.

The Lake View Rose Gardens has no interest in this machine other than giving its views and as a help to some of its suffering brethren. We claim for the machine a success and it will do all that is claimed for it. C. H. RONEY.

ROSES.

Seasonable Hints.

By reason of the press of work during carnation benching, roses will be liable to be somewhat neglected, and as this is the time when they really demand constant care and attention in such matters as tying, disbudding and cultivating, it is well to be on our guard, and to remember that neglect at this season means fewer buds and very likely of an inferior quality for first cut, and the plants are likely to lose a part of the best growing season.

In order to get carnations benched as quickly as possible all hands are usually called on for aid, but where the rose crop is of equal importance with carnations, it is wise to leave a few of the most experienced hands to at least keep things straight in the rose section during this

period, for if all are called off, watering and syringing will have to be done in a hurried manner, tying will be entirely neglected and disbudding, which just now is one of the most important duties, will be postponed, allowing every eye, however unsuited, to break, forming a thicket of weak, straggling wood which never can produce anything approaching a high-grade bloom.

I am urged to write thus strongly on this subject because year after year we see the same neglected conditions in rose houses on places where we would expect something better, and whole houses of roses where the plants were otherwise strong and healthy simply spoiled as far as a first crop is concerned. The same old excuses offered to each visiting grower. The injury done to rose plants by this neglect is incalculable and even the wisest course of treatment fails to place them on their former footing until the season is so far advanced that there is often a loss instead of a good profit, as the season of best demand and good prices is past before they attain their best.

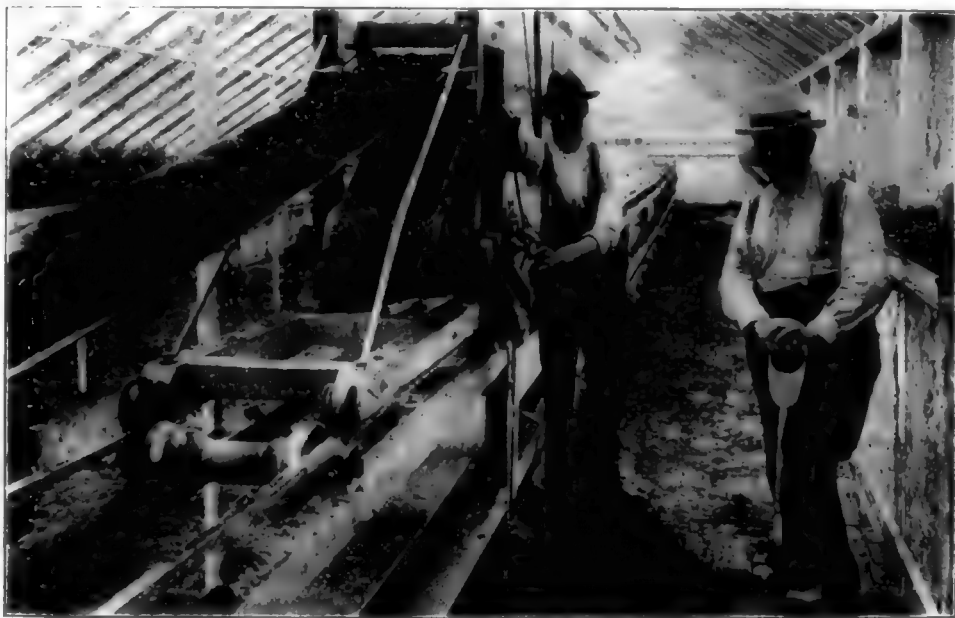
Brides and Bridesmaids suffer more if neglected than most other roses, and care should be taken to have these varieties neatly tied up at all times and the disbudding attended to at least twice a week, till it is determined to develop a crop. The extra care and attention bestowed on them will bring its reward before many weeks are over.

Grafted stock should be looked over carefully and all the suckers from the stock removed with care. This should be done by cutting them neatly off with a sharp knife and not by the slovenly method so often put in practice by the inexperienced, of pulling them off by sheer force. RIBES.

THE LEAF ROLLER.

We send you some branches from our rose plants, infested with a worm which has done much damage in our rose houses the past three weeks. As we do not know the worm we do not know how to get rid of it. We have been picking them off every morning, but they are getting so numerous we must find some other remedy. C. S.

These caterpillars are the larvae of a moth of the Tortricidae family, commonly known as leaf rollers, and are very



The "Tripper" is Moved as Soil is Deposited on Benches.
(The men are standing on the brick bottomed bench.)

destructive to roses and many other plants grown under glass. Fortunately there are many simple and effective means of destroying them. One of the best and quickest remedies is pyrethrum powder. This should be in as fresh a condition as possible, as if it is the least stale it is of no effect and this accounts for the many complaints as to its inefficacy. For use as a dry powder, in which state I consider it most effective, it may be diluted with flour in the proportion of one of the powder to four of flour. Close the ventilators and apply with the powder blower. Twice a week is sufficient.

Helebores administered as a dry powder is also very effective, as this kills by contact and also by being eaten. Paris green is the most common remedy used in rose houses, and is applied in the dry state. It should be diluted with some fine powder and well mixed. Air slaked lime as a diluent answers the purpose admirably; the proportion should be lime forty, poison one. Apply with powder blower and refrain from syringing for twenty-four hours. Two applications per week will soon clean them out. RIBES.

MIGNONETTE CULTURE.

English growers of this annual, by a system of culture peculiarly their own, convert the plant into a semi-shrub and perpetuate its life for a period of from six to eight years. In my last article on mignonette I described the method of selecting, harvesting, storing and sowing the seed, and its culture and care up to its blooming stage.

These methods in this case are pertinent up to the stage where training begins by removing the two topmost leaves. Where it is designed to train the plant into its tree form, the training must be deferred till the plant has reached the length desired for height of stem. The stem must be supported and kept in an upright position and all the leaves along

the plant in this form, as any approach towards pinching as resorted to in chrysanthemum culture is simply ruin.

When the plant has formed a head measuring eight or ten inches across, the leaves and branches along the stem should be gradually removed, taking off two or three of these at intervals of four or five days, beginning from the bottom. Training should be continued till November, when the flower buds can be allowed to develop.

A compost of four parts loam to one of well decomposed cow manure, with one-sixteenth of the entire bulk of sand and the same quantity of old lime mortar added suits admirably. The last shift should be given before the middle of September, giving ample drainage and leaving room for a light mulch when required.

These plants thrive best in a deep frame or pit, with the back to the south, and should have a lath shading during bright weather. Before the nights get cold they should be brought into a house having a night temperature not exceeding 54 degrees.

I have frequently seen plants with three-foot or four-foot stems and with perfectly symmetrical heads measuring three feet across and literally covered with blooms. And many of these specimens were grown by amateurs who did not possess a foot of glass other than a sash frame and their window accommodation, and yet they kept them in good flowering condition for as long as six and eight years. RIBES.

NEW SWEET PEAS.

At the annual exhibition of the National Sweet Pea Society of England, July 15 and 16, Henry Eckford, of Wem, was awarded a silver medal for Scarlet Gem, a very bright red, which was judged the best novelty of the year. Mr. Eck-

gasoline. After wetting the ground I made a hole with a stick, about six inches deep, filled it with gasoline and then trod the earth down solid. It killed most of them. I repeated the dose when any made their appearance and am now entirely free from the pest. The gasoline did not hurt cannas or strawberries. I. A. W.

ADAPTING IDEAS.

A florist who was short of flowers when making up a pillow remembered having seen a Japanese curtain with one corner cut off and finally solved his pillow difficulty by omitting flowers from one corner of his design. He was much praised for the "artistic inspiration."

The plan for the rose garden at the Chicago World's Fair was taken from the ornamental casting on top of a radiator in the office of the officials. An imprint of the radiator was taken by covering it with shoe blacking and then smoothly pressing a sheet of paper against it.

The plan for an odd and especially attractive ribbon bed was taken from the ornamentation of a seam in a pair of rubbers purchased by an observing park superintendent.

CHICAGO.

The Market.

One can gather all sorts of reports as to the state of the market, but on the whole it may be said that seldom, if ever, has there been so little stock in the market or rose values so high at this season, quality of stock, of course, being considered. But even at that there have several times lately been too many carnations. Roses continue scarce, but more growers are beginning to cut from young stock and supplies are sure to increase steadily from this on. Just the same Beauties are still hard to get. Kaiserin is scarce and Meteor is of about the best average quality.

Some good white carnations, mostly Flora Hill, are coming in and have brought fine prices one day and nothing to brag of the next, according to supply and demand. It is impossible to carry them over night and retain their freshness. Outdoor carnations are coming in more plentifully and asters are beginning to pile up. F. W. Timme says this should be a great year for asters because of the fine growing weather, but qualities are not very high and prices are decidedly low. As a matter of fact, all outdoor flowers are clogging the market. Aurums are very abundant and of widely varying quality. Ferns received from the east are very fine now.

Various Notes.

E. F. Kurowski, of the Moninger Co., was at Mendota the other day and says that Henry Schweitzer was put completely out of business by the recent storm. But Mr. Kurowski's firm is helping him to rebuild and friends in the trade will largely restock the place.

F. G. Klingel, bookkeeper at Peter Reinberg's, who has been ill for several weeks, is at Benton Harbor, keeping quiet by the doctor's orders.

The George Wittbold Co. will send an exhibit of specimen plants to the convention.

The younger members of the Wienhoeber family are in the mountains, but George Wienhoeber will be home for the convention.



Soil Conveyor Discharging Directly into Wagon.

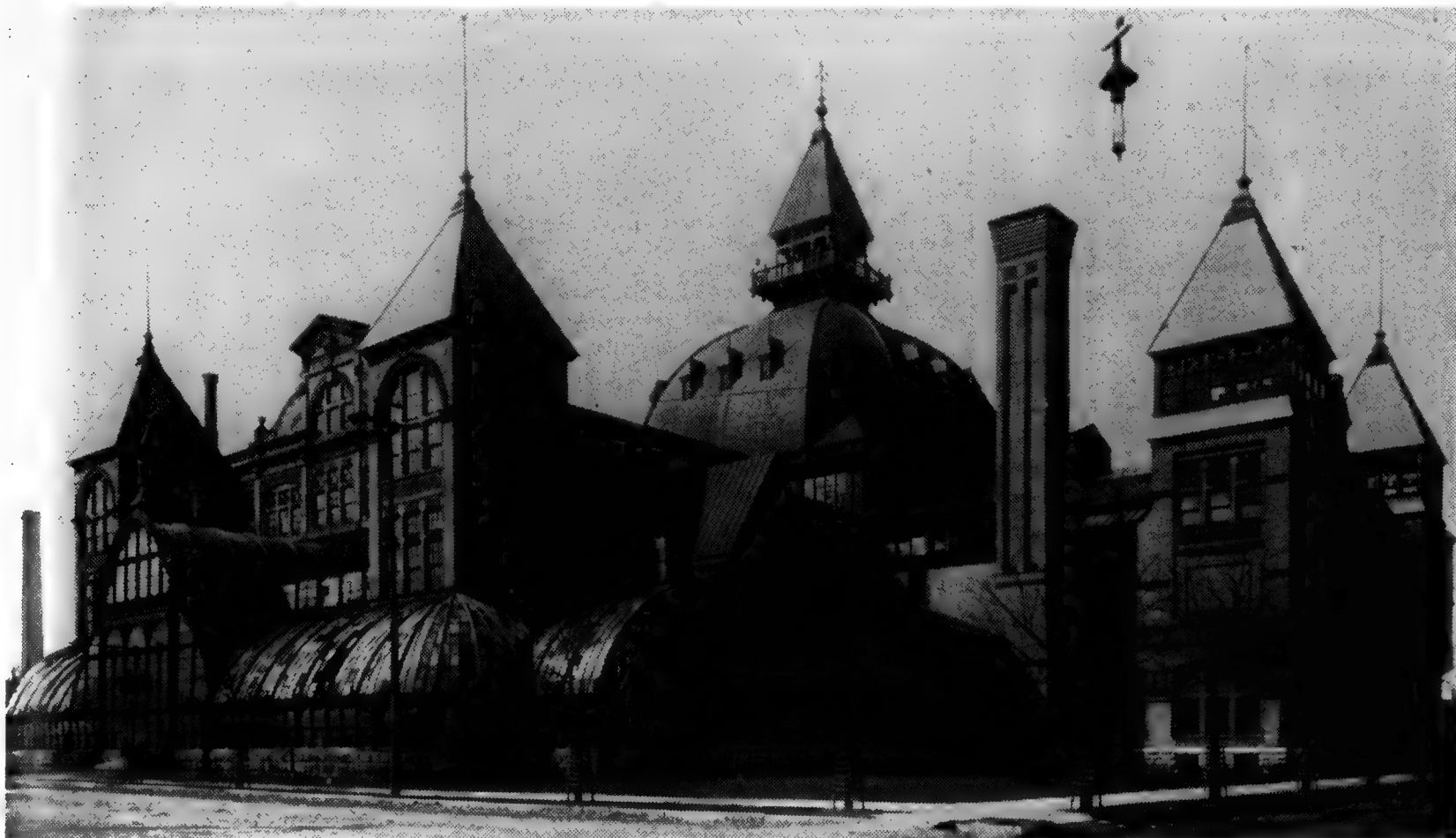
the stem left on. When these eyes break and send forth a shoot this should be allowed to grow until it has attained five or six leaves, when the top leaves should be removed.

Encourage the plant to make a clean stem of from three to four feet before taking out the tips, and after that keep picking out the tips of each shoot after it has made four or five leaves. This part of the training is of the utmost importance in the successful culture of

ford also received a first-class certificate for King Edward VII, a deeper red than the foregoing.

REMEDY FOR ANTS.

I have been troubled with ants for some time, there being two large colonies in my garden. I tried to destroy them in various ways, using sugar and Paris green on bread and fresh bones, but that did not "do them up." I then used



The Exposition Building, Milwaukee, where the S. A. F. will meet, August 18-21.

A. L. Randall has bought another 27-acre fruit farm near his place on the river at St. Joseph, Mich.

G. H. Pieser, secretary of the Kennicott Bros. Co., leaves to-day for Lakewood, Wis., on his annual three weeks' fishing trip.

Henry Miller has put up five splendid long houses near his brother, John Miller, and just east of the Reinbergs. He will grow vegetables this season but expects to get into carnations by another year.

Olaf Sanbig is building three 150-foot greenhouses on Peterson avenue near Robey street and will grow for the wholesale market. He was formerly an employe of J. A. Budlong.

Weiland & Risch will have replanting finished by the end of this week. Their place now covers five and one-half acres.

L. P. Kelley says funeral work is keeping him busy. He has two phones.

Clifford Prunner, of Winterson's, has been in the Cook County Hospital for three weeks, ill with typhoid fever, but is now recovering.

M. Winandy is building nine more short-roofed greenhouses and is rebuilding some of his older structures, putting the place in first-class trim for another good season.

A. C. Spencer is taking a rest this week.

A. C. Kohlbrand is on duty after two weeks' fishing near Grays Lake and E. C. Amling is off for a couple of days at Lake Marie.

M. Weiland, at Evanston, has his whole place in carnations this year.

Sam Pearce is remodeling his residence and putting a new roof on the barn.

Visitors:—Fred Dorner, Jr., Lafayette, Ind., returning from a vacation trip in Minnesota; Mrs. M. E. Finkler, Streator, Ill., buying carnation plants.

PHILADELPHIA.

The Market.

The market is decidedly summery now; there is an air of repose about the business center, broken only by an occasional ripple. Asters are more plentiful, of better quality and sell fairly, with prices a trifle lower. Good roses are wanted occasionally and can generally be had. Gladiolus are still plentiful, but are not in demand. Eugene Bernheimer received his first shipment of outdoor carnations, chiefly Ethel Crocker. The stores in the center of the city are evidently doing a little business. Their show windows are arranged with unusual taste and care for mid-summer, showing that the proprietors realize that business may be created.

A Change in Name Only.

The firm of Henry F. Michell has become the Henry F. Michell Company, Incorporated. Henry F. Michell is president and secretary, Fred J. Michell is vice-president and treasurer. This is a change in name only.

This seed firm, started about a dozen years ago at 101 South Market street, is today one of the largest and most successful in the country. Their business this season increased fifty per cent over that of the year before—a phenomenal improvement when the size of their previous business is considered. They employ forty-five persons in their various departments. A visitor is always impressed with the fact that these employes all have their duties to perform and they do them.

Quite a number of extensive improvements are about to be carried out. One-half of the entire second story is to be fitted up for a flower seed department in the most approved modern style, similar in many respects to the vegetable seed department put on the third floor a year

ago, found to be a great aid in facilitating the filling of orders. The offices are to be moved from the first to the second floor to give more room for the display of merchandise. Also a first-class freight elevator is to be put in the rear portion of the building.

The success of the brothers is deserved. They have worked hard, used good judgment and have dealt fairly by their customers.

Notes.

Edward Reid has returned from the south much pleased with his trip. He found the southern florists in a prosperous condition. At Savannah, Georgia, he had the pleasure of seeing a box of his own flowers unpacked in perfect condition. Mr. Reid mentioned that the REVIEW is considered to be the paper in the south, because it gives cultural notes and news of interest.

James Heacock has for some months been foreman in charge of his father's big place at Wyncote. The palms are in beautiful condition, doing credit to father and son. The roses are all planted and growing nicely. The Beauties are the picture of health. A house of Liberty was in excellent condition.

B. Eschner, of M. Rice & Co., is arranging for the firm's handsome exhibit at Milwaukee.

The failure of the Doylestown bank is a very serious matter for many of the florists in that neighborhood. The cashier of the bank believes that the depositors will be paid in full. It is earnestly hoped that this may be true.

John C. Gracey, of the Woodford Floral Exchange, 2028 Columbia avenue, has purchased a property at 2024 Columbia avenue. The lot is thirty feet front, with a building on it which he intends to convert into a modern, first-class florist shop, with room for greenhouse in the rear. Mr. Gracey is also proprietor

of the Plender Nurseries, 1230 North Twenty-sixth street.

Edward Reid is improving his facilities by adding a room for roses to his basement. The idea is to have a naturally moist atmosphere with plenty of air. Ice can be used when necessary. The room is neatly fitted up with adjustable shelves and should prove a great addition. Electric lights will also be added.

Herman Schoenfeld has finally moved into his new and commodious store on the east side of Seventeenth, below Chestnut street.

It was canna night at the Florists' Club meeting on Tuesday. Antoine Wintzer read a paper on new and meritorious varieties. Convention matters were discussed. A good delegation from this city is promised, leaving Monday, August 17, at 8:40 a. m., over the Pennsylvania railroad.

Wm. Graham is preparing to open a store at 108 South Thirteenth street.

PHIL.

BUFFALO.

The Picnic Spoiled.

This is the "day of our discontent." We were to have a picnic this afternoon and Emile Brucker, the amiable and yet cute and industrious right bower of W. F. Kasting's wholesale emporium, and who is the chairman of the committee, says that 150 tickets were sold. If so, and it is so, what a time we would have had, but it is raining, not cats and dogs, but large drops of liquid that annoy the belated harvester of hay and wheat, make the ground admirable for lifting carnations, spoil the track for harness trotters, do great benefit to the corn crop and beat down the ripening oats. All vegetation luxuriates and yet it is inclement for church and other picnics. Our picnic was not classed as a church picnic, and yet I dare to say that there would have been more sanctity and good morals displayed in its fulfillment than at most so called church picnics, where the principal object in view for priest or pastor is revenue for the institution, medieval faddist and crankology.

Business is now at its lowest ebb and it's no use kicking. We have no ocean vessel trade, or only an occasional order, and then it must be wired to New York with the full confidence that our correspondents will try to fill the order, but with some trepidation lest there will be a missing link somewhere. There are more than ten steamers sailing out of Buffalo every day, besides schooners, barges and numerous other craft, and they carry lots of people, but no flowers are sent them as they leave the muddy waters of Buffalo Creek. Their friends know, of course, that although they cannot get the equal in quality (?), they can get common flowers in Erie, Cleveland, Detroit, Sault Ste. Marie, Milwaukee or Chicago if they go to any of those places, and if they go to the far western end of the big lake, then Duluth can supply the simple roses that will be wanted!

To the Convention.

I had one lone friend ask the water route he could take in the ride to Milwaukee. Some people have the bump of geography but poorly developed. If they only have enough to eat and drink around them, they are not interested in the points of the compass or the relative positions of big rivers, lakes, states or

cities. They trust to other people's looking out for those things, and they are below, or above, their consideration. Milwaukee is on the west side of Lake Michigan, eighty miles north of Chicago, which is almost at the foot of the lake. The big, fine steamers sailing from Buffalo go to Cleveland, Detroit and Duluth. To get down to Milwaukee from the big steamers Northland and North-west, you would have to change or rather take another steamer at the Straits of Mackinac and then sail 200 miles or

Come On, Boys!



more south on Lake Michigan along the shores of Wisconsin before you reached the familiar smell of hops. This would be lovely with a young bride, likewise an old one, but it is good only for those who have nothing else to do, or nothing but their time to spend. And again, I take the liberty to say that a really pleasant way from the east to Milwaukee is to take the Detroit boat at Buffalo on Sunday evening at 5:30, arriving at Detroit at about 8 or 9 o'clock Monday a. m., join the Detroit boys in their journey across their beautiful state to the shores of Lake Michigan, and then another lake ride into Milwaukee, arriving there early on Tuesday. And possibly the same steamer calls at Chicago, but if it does not, you will only have escaped some temptations "too awful to speak of."

W. S.

KANSAS CITY.

No Show This Year.

Kansas City will not have a flower show this fall. The executive committee of Convention Hall has been considering the question, but when a number of citizens, who had supported the show liberally in the past, were asked to subscribe again, the success met with was insignificant compared with that of 1901 and 1902, as they had all been heavy losers in the flood. The abandonment of the flower show for this year, according to Fred S. Doggett, president of the Convention Hall directory, does not mean that no flower shows will be held in the future, as the expectation is that next year a bigger show than those of 1901 and 1902 will be held. The flower show will be continued as a permanent affair and, barring another flood or some other calamity, it will be held each year in the big hall, and we will be glad to see all the growers come and win our prizes.

Various Notes.

The stock of roses and carnations is very poor. Sweet peas are about gone and gladioli have been of great assistance to us. Some good asters are now

being shown in some of the stores, but there is nothing doing except funeral work.

Miss Alma Beeler has returned from a trip through the eastern states.

W. L. Rock and family have returned from a four weeks trip. L. M. S.

NEW YORK.

The Market.

The gladiolus time has come and this flower is "king for a day" and probably for several weeks, with asters and dahlias laying claim to sovereignty and the quantity of shipments growing constantly until the flooding of the market is inevitable. At the reasonable price of 50 cents per 100, which is about top for ordinary stock, there is no excuse for an undecorated window. The shipments from Cowee and Childs are enormous. A general condition of cheerfulness and hope prevails in both wholesale and retail trades. Of good flowers of all kinds there is not an oversupply and the outlook is encouraging.

Newport's season to date is a brilliant one, and is yet in its infancy. Daily shipments to this great center of fashion and fads, and artistic competition among the "400" or "600" are large and increasing. The best is none too good for the lavish display made there, and Siebrecht & Son, Wadley & Smythe and J. Hodgson, are reaping a bounteous harvest. All report the best season to date of their experience.

Various Notes.

The suggestions made as to bowling prizes in our last issue meet with general approbation and I have no doubt Mr. Pollworth has had many interesting donations from leading firms for the purpose, which he will announce.

Anything that can be suggested looking to a division of the crowd that will journey from New York to the convention, via the West Shore Railroad seems singularly inopportune at this late date, when it is realized that the real charm of the trip is in its associations, and in the fact that a sufficient number insures special accommodations clear through to Milwaukee without change of cars. It is true the fare and a third can be secured from other roads, but thereby changes of cars become necessary, and after the New York Club has officially selected a road, and after this road has provided specially for its patrons, even to the sending of an official chaperon, it would seem best that all should harmoniously unite in making the social feature of the trip an assured consummation, which with a divided delegation will be an impossibility. The call for berths made to Mr. Sheridan has been very encouraging already, however, and the attendance, as is always the case in our yearly journeyings, will be larger than anticipated. We left here forty-nine strong for Asheville last year. We should certainly double that when the noses are counted on Sunday, August 16, at 1 p. m., at which hour our special leaves for the "City of Inspiration."

The Milwaukee Club's souvenir has arrived and is a beautiful production, creditable to the club and to the artistic publisher, Mr. Pollworth, a brother of the society's vice-president. The sending of this work by mail so long in advance is most unusual and commendable, and its influence should add largely to the

attendance at the convention; while its value as an advertising medium is greatly enhanced and it cannot fail to be of service to its patrons. Milwaukee, judging by its buildings and pleasure resorts and parks, must be an ideal convention city and the society will have no cause to regret the enthusiastic majority that decided in its favor.

Mr. James, of Bermuda, the Harrisii lily grower, left on Saturday for his island home.

The bulb houses here are rejoicing in the break of the foreign hyacinth market and the establishing at last of a basis for prices that makes intelligent quotations and sales a possibility. Talking of "breaks," the smash in the stock market affected seriously some of the best patrons of the horticulturists, losses aggregating millions having fallen upon some of them, men whose country homes and estates are marvels of landscape effects and plantings. It is much to the credit of the florists themselves that no wings have been scorched and no investments made by any of the speculative among them that have been on the wrong side of the market. Real estate seems to be the florists' specialty anyway, and several of the leaders have acquired independence thereby, so that their florist interests have become simply a pastime.

There will be a fall flower show this year that promises great things and the facilities for its accomplishment have never been equalled. The new Herald Square Exhibition Hall, where the show is to be held, is on the top floor of the new Macy building at Thirty-fourth street and Broadway, a hall with double the square feet of space for exhibits that the immense Madison Square building afforded. A dozen passenger elevators running directly to the hall, an acre of glass and a magnificent dome, with every convenience known to modern architecture, a superb and continuous lighting system and a perfect location all combine in making it the ideal exhibition hall of the country. Mr. Herrington is to be congratulated on the work he has accomplished and the splendid accommodations provided for the society of which he has the honor to be president. Seventy thousand square feet of space will give ample room for the greatest palm and plant exhibit ever made in America.

The great subway in New York approaches completion. The demoralization of the streets and the destruction of trees and shrubbery has been complete. Such hopeless desolation can only be imagined. But before another year all the former beauty, from a horticultural standpoint, is to be restored. The park department will have charge of the restoration, and we will then hope to restore to the metropolis its old time name of "the Paris of the New World."

In my last I mentioned the fact that one of the eastern exhibitors at the convention would send a car load of his wares. I should have said several of them. It is surprising how many will be there "with the goods" and what quantities are already on the way. Siebrecht & Son and Reed & Keller each have a car load in transit. Everybody is sending early, much earlier than usual. It is a good idea. Now Tuesday morning in Milwaukee will see everything in apple pie order and an attentive business opening is thereby assured.

Henry Siebrecht, Jr., is in Kentucky on his way via Detroit to Milwaukee, where he will superintend the exhibit of the firm. Nearly everybody is, has been, or will be away for his, or her, annual rest and recreation. Few will be left in this generous system of the leading wholesale and retail houses of the trade. With coats of tan on the proprietors and their assistants and new coats of paint on the stores generally, as is the annual custom, the first of September should see everybody ready for what in this strenuous age will surely be the best flower season of the century.

The New York Cut Flower Co. is adding to its room and conveniences, and the "Beauty King" says it will be "the greatest fall and winter in the flower business we have ever seen."

All the supply houses here are very busy and many of them are already in receipt of their importations. Nearly all of them will make fine displays at Milwaukee. Sigmund Geller has a space of 200 feet secured there and will exhibit many novelties of his European purchases, among them some unique designs in vases and ornaments of the latest styles. On his trip he visited Italy, France, Switzerland, Austria and Germany, reaching home on July 9. He has a variety of waterproof paper that will surely be popular. As a reward for duty well done and safe return, Mrs. Geller presented him last Tuesday with a fine boy, the first visit of the stork to his home, and now business is sure to boom.

The Ozone Park nurseries have at Ozone Park, N. Y., a manager well known to the trade, Mr. C. B. Knickman, and they commence business with the good wishes of his many friends. They are devoting forty acres to the growing of fancy nursery stock, making roses their specialty. The firm has nearly 100,000 roses already planted, and have contracted for extensive work in the laying out of private estates. The other members of the firm are Charles Ifinger and Edwin Weber. Long Island is developing an abundance of nurseries, but the field is wide and there is room for all. The fine nursery already established at Queens by C. W. Ward, of the Cottage Gardens, L. I., is meeting with exceptional encouragement and the demand for his high-class stock and specimens is already far in excess of the supply. Mr. Ward is recuperating at present in New Hampshire, with his family, and hopes to be at the convention.

John Hildebrandt, of John Young's staff, left on Saturday for his vacation, as did A. Dacre, of Young & Nugent's.

Fred J. Blecher, of the Thomas J. Young, Jr.'s, forces, has been entertaining his mother and sister, of Cleveland, during his three weeks' outing. W. Donaghue, Jr., of the same house, has departed for Saratoga, Cleveland and Chicago and will be the guest of Mr. and Mrs. B. B. Preble while in Cleveland. Mr. Smith, of Smith & Feters, of that city, is now in New York, after a visit to his old home in Bridgeport, Conn.

Robert Rennison, of Wadley & Smythe, had a very unique contract on Monday in Greenwood, the lining of a grave with pink and white roses and the complete covering of the plot with the same flowers, with a groundwork of Clematis paniculata.

George Nash, head gardener at the New York Botanical Gardens, left Saturday for Hayti for a five weeks' botanical investigation, and Commissioner of Patents W. R. Wilcox sailed for the old country to study the park systems of London and Scotland.

J. AUSTIN SHAW.

HOTELS OF MILWAUKEE.

The following downtown hotels in Milwaukee are within five or ten minutes' walk of the convention hall. Rooms for convention week may be reserved at any time:

Aberdeen Hotel, Grand Ave.—Rates, \$10 to \$14 per week, American plan.

Hotel Atlas, Third and Sycamore Sts.—Rate, \$2 per day.

Hotel Blatz, City Hall Square—Rate, \$1 per day and upward, European plan.

Globe Hotel, Wisconsin and Cass Sts.—Weekly rates; American plan, \$10 to \$15; European plan, \$5 to \$10.

Kirby House, E. Water and Mason Sts.—Rates, \$2 to \$2.50 per day.

Hotel Pfister, Wisconsin and Jefferson Sts.—Rates, American plan, \$3 to \$5 per day; European plan, \$1.50 to \$3.50 per day.

Plankinton House, Grand Ave.—Rates, American plan, \$2.50 and upward per day; European plan, \$1 and upward per day.

Republican House, Third and Cedar Sts.—Rates, American plan, \$2 to \$3 per day; European plan, \$1 and upward.

Schlitz Hotel, Grand Ave. and Third St.—Rate, European plan, \$1 per day and upward.

St. Charles Hotel, City Hall Square—Rates, per day, one person, \$2 to \$3.50; two persons, from \$4 to \$6.

RADIATION.

I am building a house 19x70 for roses. If I start with a 4-inch flow and upon entering the house branch to two 3-inch flows running to the farther end of the house, returning each with eight 1½-inch pipes, sixteen in all, will I have radiation enough to maintain a temperature of 65 degrees when the thermometer outdoors registers 10 degrees below zero? The house is three-quarter-span, long span to the south; no glass in side walls.

L. R. A.

He will have ample surface in the rose house with the pipe arrangement he describes, provided he gets a perfect circulation.

HENRY W. GIBBONS.

LOWELLVILLE, O.—Frank Whetstone, in West Lowellville, is building a greenhouse. D. E. Hamilton has the contract.

TORONTO, OHIO.—David Aten's business has increased so that he is not able to handle it alone and he has taken his son-in-law, S. B. Wilson, into partnership, the firm name now being Aten & Wilson. They were cleaned out of all stock this spring. Trade is now quiet, but they are busy painting and repairing.

FORT DODGE, IA.—P. L. Larson is the only florist here since the Fort Dodge Greenhouse Company went out of business. He had a good season and is ready for another, building two houses 20x75, using 16x18 D. S. A. glass. He has his roses and carnations all benched and two houses of carnations, 22x125. Mr. Larson will be at the convention.

WASHINGTON, PA.—The Washington Floral Company has completed its incorporation. The company was organized early in the year, purchased the McBurney place and has erected the most extensive greenhouses in the county. The stockholders named are, W. J. Warrick, Edward Culbertson, J. W. Warrick, John M. Wilson, George H. Warrick, A. J. Culbertson, William Christman, P. G. Kennedy, Todd Culbertson, John Salmons and J. M. Dickson.

ST. LOUIS.

The Market.

The good rains of last week had a beneficent effect on all outdoor stock and livened things up wonderfully. There was also a welcome change in the temperature, the last few nights being very cool. The summer trade is about as usual. The past week it was fairly good on account of funeral work, which seemed to be pretty well distributed among the retailers. The market here has its ups and downs; one day there is plenty of everything in the market and the next day everything seems scarce. White flowers have the greatest call and very often all colored stock is left over for want of demand.

The roses that came in last week showed the effects of the hot weather that we have been having, and the bulk of them are very poor indeed. Of these, Bride and Kaiserin sell the best, with Golden Gate and Bridesmaid next in order. There is not much call for red roses just now. The price is not over \$5 per 100 when good. A few fairly good American Beauties from young stock are in the market and sell well. Asters are becoming more plentiful each week and will soon rival the sweet peas of a few weeks ago. The bulk of them are very small and do not sell so well as the larger ones. Good ones go at \$1.50 per 100. Tuberose stalks are coming in better and are very much in demand at present. Armstrong's Everblooming are the best sellers. There are plenty of gladioli at the wholesale houses, but the demand is somewhat slow and a great many of them are going to waste. A. Berdan's valley is very fine and the demand good. Hydrangeas are in at \$4 per 100 for the large heads and \$2 and \$3 for the smaller ones. Good smilax has been in good demand right along, with the supply only fair. This sells at the regular price.

Various Notes.

During the past week everybody was talking of the good time he had at the club's recent picnic and complimented the committee on the way it handled the affair. Those who did not go were sorry after reading the account and hearing the compliments passed.

Only two weeks more and we will be among friends whom we are all glad to meet. No doubt Brother Pollworth and his colleagues have everything in readiness to give us a good time. State Vice President Juengel says St. Louis is going thirty-five strong. Everybody who can possibly go should send his or her name to Mr. Juengel. As St. Louis is out for the next meeting, during our great World's Fair, we should have a large delegation at Milwaukee.

Don't forget the club meeting next Thursday, August 13, at Brother Jablonsky's place at Wellston. Take the suburban cars to Suburban Park. This meeting is the most important of the year. Election of officers will be held and all arrangements for the Milwaukee trip will be made. Henry Lunnons will read his essay on "How to Keep Down Greenfly." As Henry never has any greenfly about his place, it will be worth your while to hear how he keeps them down. With all these important features on the program, President Dunford expects that every member will be present and enjoy one of those pleasant outdoor meetings. Mr. Jablonsky invites

all florists on this occasion and assures them a good time.

Mrs. M. M. Ayers is reported as being dangerously sick at her home on Linden boulevard. Will Adels and Charles Schonele have charge of her place in her absence and report trade as fairly good for this time of the year.

Mrs. William Ellison, of the Ellison Floral Co., is spending the summer months up north, accompanied by her daughter Alice. Mr. Ellison is running the store during their absence, with fairly good business in funeral work.

Robert F. Tesson returned last week from St. Joseph, where he spent a week in encampment with Battery L, of which he is a member. Robert is taking things easy out in Clayton these hot days and very seldom comes to town. He will be at the convention, as he is down for a paper on "A System of Accounts for Greenhouses."

The Kalish boys on Delmar boulevard are making some good improvements on their place for next fall's trade. Both of the boys will take in the Milwaukee convention.

Mr. Gorley, on Fifteenth street and Cass avenue, is making some improvements on his store. The new show house in the rear of his store looks fine. Mr. Gorley says business has been good with him the past season.

Henry Berning is making preparations to move about August 15 into his new place at 1402 Pine street, which is much larger than the old and has a better light. This will make the third time that this store has been occupied as a wholesale house, first by William Ellison and later by F. M. Ellis.

Mrs. Theo. Miller and daughter will return this week from their six weeks' stay in Europe, and Theodore is happy, as he says this bachelor life is not what it is cracked up to be. Mr. Miller is putting in a large new ice box, which will put him in good shape for the coming season.

C. C. Sanders has just finished building a new residence for the help at his place on the Henly road. Mr. Sanders has some of the finest young nursery stock about here, which will make good this fall when the big orders come in.

R. J. Mohr has left the employ of the landscape department at the World's Fair grounds. Mr. Mohr is out with a new enterprise. He will take care of any of the exhibits in plants, trees or seeds that come to the fair. He can be addressed in my care.

H. M. Earl, who represents the seed house of W. Atlee Burpee & Co., Philadelphia, was a visitor last week, as was young Mr. Siebrecht, of Siebrecht & Son, of New York. Both of these firms expect to make big displays at the World's Fair next year and were here selecting space for same.

Bowling.

The bowlers had a hot night of it last Monday and some very fair scores were made. The boys are confident that they will come out on top at Milwaukee. Carl Beyer, C. A. Kuehn and J. J. Beneke need new hats and will again take on that Chicago big three if they so desire. The following scores were made Monday night:

Player—	1st.	2d.	3d.	T'l.
J. J. Beneke	219	178	185	592
C. A. Kuehn	169	159	172	500
Theo. Miller	149	148	156	453
Emil Schray	136	138	161	435
F. M. Ellis	150	151	150	451
Fred Weber, Jr.	124	121	...	345
Will Adels	163	...	...	163

J. J. B.

SAN FRANCISCO.

The Market.

Good flowers are really scarce. I have not seen any first-class roses or carnations for the last week. Everything appears to be off crop and there is a very fair demand for indoor stock. Prices are about the same as they have been for the last two months and anything good is very easy to dispose of. First-class American Beauty roses are not to be had, and Maid and Testout are all weak and wobbly. Some fairly good Kaiserins are seen and they bring 50 to 75 cents per dozen, which is a very fair price for summer. I spoke to-day to one of our most successful carnation growers and he told me he had not cut ten dozen good Lawsons in the last ten weeks. Sievers & Boland have a very nice showing of fancy carnations; about the best in town, I think. Shibley is exhibiting some very fine Estelle and Flora Hill. We will have plenty of long-stemmed asters in a few days, however, and they will fill a long-felt want.

Various Notes.

Chas. E. Navlet, of the C. E. Navlet Company, of San Jose, has been sued by his wife, in the Superior Court here, to recover property valued at more than \$25,000. Judge Murasky issued an injunction restraining Mr. Navlet from doing anything further with the property pending the trial.

A visit to the nurseries of E. Gill, at West Berkeley, at this time of the year is an interesting sight. They are in the middle of their budding season and one block of roses covering about thirty-five acres and containing about a quarter of a million stocks to be budded is in splendid shape. About eight budders are at work and it will be about the middle of August before the ground is covered completely. The demand for budded roses for forcing purposes is greater than ever and already a large part of next season's stock is sold, to be delivered during the coming autumn. This firm also has about thirty acres devoted to ornamental and deciduous trees and several acres to greenhouse and smaller shrubbery.

R. P. Jennings, the well-known horticulturist, has received the following letter from J. H. Bingham, Assistant Secretary of Agriculture: "Appreciating most highly the itinerary arranged by you for the German agriculturists, the Department of Agriculture extends to you its most cordial thanks for the efficient, successful and hospitable manner in which as many of the resources of California in agriculture, horticulture and forestry as the time would allow were brought to the attention of this party. We congratulate you on impressing them with the magnitude, liberality and hospitality of your state." G.

KINDLY take our adv. out of the REVIEW as we are getting more orders than we can fill. Yours is the best paper to advertise in.—BENTZEN FLORAL Co., St. Louis, Mo.

The Proceedings of the First Annual Meeting of the Chrysanthemum Society of America has reached us, a well-printed pamphlet of 76 pages, the greater part of which is given to the papers read at the Art Institute, Chicago, November 12 and 13, 1902. The frontispiece is a portrait of President Arthur Herrington.

WASHINGTON.

Death in a Fire.

Fire broke out in the home of David Bissett, the largest violet grower in this neighborhood, at noon August 2. In the course of an hour this place and the adjoining residence was totally destroyed, Mr. Bissett's two-year-old daughter Florence perishing in the burning house. Mr. Bissett's sister-in-law was preparing dinner, and was lighting the oil stove, when an explosion occurred, setting the kitchen on fire in an instant. Mrs. Bissett was lying ill up stairs. As soon as she heard the screams of her sister she arose with her infant child in her arms and made for the lower floor. The other two children were with her in her room, but owing to her weak condition, she was unable to take them with her. A niece of Mr. Bissett ran to the bed room, which by that time was filled with smoke, but could only find the three-year-old daughter. Choked with smoke she made for the door, when she heard the heart-rending appeal: "Lassie, take me with you!" It was too late. Overcome by the smoke, she had barely time to escape with the older child. Mr. Bissett and neighbors made several attempts to save the other little one, but were driven back by smoke. The money loss will amount up to \$10,000, and Mr. Bissett was insured only to the amount of \$2,500. Mrs. Bissett is in a serious condition. She was moved to a neighbor's house and attended to by Dr. Lewis, of Kensington. Mr. Bissett has the heartfelt sympathy of the craft and the community. F. H. KRAMER.

OMAHA.

The past week saw, among other things, the third annual florists' picnic, held under the auspices of the Nebraska Florists' Society, at Courtland Beach, East Omaha. The attendance was large and the affair successful from every point of view. Supper was served at 7 p. m., after which a match game of ten pins was rolled. The ladies of the party rolled also, but the pins here did not fall very rapidly, quite in contrast to the teams of Henderson and Floth. A special vaudeville show was given later in the evening, and by 11:15 the various parties were home bound.

Trade is very quiet. Carnations, owing to extreme hot weather, are almost out of business, but the rose supply keeps up very well. Outdoor flowers are conspicuous only by their absence, a condition very unusual in Omaha. Prices all around are a trifle better than a year ago.

A very severe hail storm passed over the northern portion of the city July 28. Hess & Swoboda's plant seemed to receive the bulk of it. Their loss is about 3,000 feet of glass. The range of A. Donaghue, about 1,000 feet south of the former, lost about 1,500 feet.

Paul B. Floth is pushing the erection of his six new houses.

J. W. Arnold is confined to his bed through a stroke of paralysis.

Miss Reba McNamara, of J. W. & E. E. Arnold, is away on her vacation.

Mr. and Mrs. S. B. Stewart have hied themselves to the lakes for fresh air and fish. J. H. B.

We are well pleased with the REVIEW and are glad to enclose another dollar.—SCHLURAFF FLORAL Co., Erie, Pa.

MILWAUKEE.



It is almost time to get your railroad tickets for Milwaukee. Two more weeks and the great convention will be in full blast. There is an inner feeling that the crowd will be a record-breaker. Milwaukee, famous for its many products, is one of the most talked of towns on the continent. Milwaukee, meaning "gathering by the river," was a favorite spot for the Indians in the early part of the last century, but is now a flourishing and metropolitan city of over 300,000 inhabitants. August 18 to 21 it will be the gathering place for the florists to hold their council and exchange greetings. The local tribe will open the wigwams and extend a hearty greeting to the craft. The spacious convention hall will be the center of attraction and exhibits are already arriving for the great display. The exhibits in all classes are numerous, and the great advertising signs encircling the balcony will always confront you. Fred Holton, to whom the task was allotted of caring for the trade display, is now busy arranging space for the exhibitors.

Mayor David S. Rose will welcome the florists on behalf of the city. The evening of the president's reception will afford an excellent opportunity of renewing acquaintance. An exceptional musical program is also arranged for that evening. Wednesday is bowlers' day and the Olympia alleys are now being put in the best possible condition for this special event. They are perfect and a lively time is anticipated during the tournament. The writer would suggest, to keep up the friendly spirit that has always existed at previous conventions, and to avoid any possible friction, leave out the loaded ball. It is the glory of winning a prize and not its value, so let all be on an equal footing.

The prizes offered to date are as follows: Milwaukee Florists' Club prize, six gold medals, one for each man on winning team. C. C. Pollworth Co., six scarf pins, one for each man on second high team. John Evans, of Richmond, Ind., fine gold medal for highest man in individual class. J. F. Wilcox, Council Bluffs, ten-dollar umbrella for individual class. F. Pollworth & Bro., prize for highest single game during entire tournament. There will also be prizes from the Citizens' Business League, E. F. Winter-son Co., Brunswick, Balke Co., Henry Weber, and many others expected before the tournament.

Wednesday will also be ladies' day and Chairman Frank Dilger has arranged an outing that will please them. Wednesday evening, lecture and stereopticon views at convention hall by C. B. Whitnall.

Thursday the shooting tournament will take place. Suitable prizes will be hung up. Florists interested in this event will please communicate with Fred Schmeling, 454 Milwaukee street, and send in entry.

Thursday evening J. D. Carmody is to tell us all about the humorous side of the florists' business. There will also be many important essays come up during the course of the convention. The question box is also an interesting feature, so if you have any problems to solve, prepare them for the box.

C. C. Pollworth will offer a gold medal to the florist coming the greatest distance to the convention.

Friday, the final day, leave it to us, it's too good to tell. Enough said.

The Milwaukee souvenir is now being mailed to all members of the S. A. F. C. C. P.

TORONTO.

The Market.

Weather and trade during the past week have been of the average summer variety. Carnations, we note, are running off, while some good roses from young stock are coming, and asters, sweet peas and other outdoor flowers are plentiful. Trade, most of the time, has been such as to clean up the good stuff, yet we anticipate an oversupply of asters during the coming week. Some really fine ones are coming from R. Jennings, of Brampton. Sweet peas from Frank Browne, of Barrie; Lawson and Flora Hill carnations from E. Crowhurst, of Mimico; longiflorum lilies from W. J. Lawrence, of Eglinton; Brides and Maids from the Toronto Floral Company, and Kaiserin roses from W. Bowers, are all good.

Notes.

H. G. Dilleuth, of Dunlop's, has returned to duty. The florists' trade of Toronto extends sympathy to him in the sudden death of his father.

The florists of the city were to have taken a little outing by paying a flying visit to Hamilton last week, but it was called off without any explanation.

J. S. Simmons has sold out the Queen Floral Co., on Queen street, to R. Collins, who has been for the past few years gardener for Frederick Nicholls of this city. We wish him every success in the business. D. J.

BOSTON.

Probably no heavier demand, but a slack in supply, made business fairly good during the last week of July, especially its first half. The latter part of the week was financially marred for the grower by the beginning of the annual reunion of the aster (not Astor) family. This branch of the noted family is more noted for wealth of color than of stocks and bonds. There are no John Jacobs in this line.

Everything looks serene on the surface and I see no signs of any undercurrent, unless it may be in regard to preparations for rose traffic for the coming season, which looks as though it were to be expanded to the limit by the activity of Budlong, of Providence, and the entrance into the field of the Worcester Floral Co., with eight houses, each 300 feet in length. But it is reported that Budlong may decide to send his crop to New York.

The vacation disease seems contagious and is rapidly spreading. Lawrence Flynn and Bernard McGinty are taking a few days off, which leaves Welch Bros.' team just big enough to handle the summer business. Flynn will prepare for a great rush of fall trade by bringing back a wife when he returns. By Messrs. Flynn and McGinty I mean our old young friends, Larry and Barney.

Improvements in several city stores are under way, Wax Bros.' and Galvin's Back Bay place particularly.

J. S. MANTER.

EVERY FLORIST

Should Come to the Milwaukee Convention.

M. RICE & CO.,

WILL THERE SHOW THE

**Largest and Finest Exhibit of
Up-to-Date Florists' Supplies,
Ribbons and Novelties ever shown.**

DON'T FAIL TO SEE OUR EXHIBIT.

M. RICE & CO. Leading Florists' Supply House.
RIBBON SPECIALISTS.
918 Filbert Street, Philadelphia, Pa.

PITTSBURG.

The Market.

Never had we such a shortage of flowers in this market as the early part of last week. The demand was heavy and all stock was eagerly picked up. The long drought in the spring and an almost continuous stretch of rainy and cold weather of late has had a bad effect on outdoor stock; very little of anything good was cut, and outdoor blooming stock for the market so far this season is a failure. At this writing quantities of good asters and gladioli are arriving which can be bought at one's own figures.

Notes.

William Brown Potter is visiting his mother in Washington county.

C. S. Ford, of Philadelphia, was a visitor.

Mr. and Mrs. David Geddes are spending their vacation at Templeton, Pa.

Philip Langhans, secretary of the Pittsburgh Cut Flower Co., is on a fishing expedition up in New York state. Philip tells me in earnestness that a fifteen-pound muskallonge is his fish! All under that weight he liberates.

E. C. Ludwig has been very busy with funeral work.

G. A. McWilliams, of Natrona, is on his way to Oregon, where he has a large fruit farm.

Walter Breitenstein is cruising on the Allegheny in his little canoe, but it is just built for one this trip.

The only new greenhouse of any size in this vicinity is being put up at the Pittsburgh Rose and Carnation Company's place, at Bakerstown. Lord &

Special Wheat Sheaf Announcement!

FOR THE MONTH OF AUGUST ONLY.

A deduction of 10% allowed on Sheaves from list price ordered by the dozen or more during the above month.

H. BAYERSDORFER & CO.

Importers and Manufacturers
of Florists' Supplies.

50-56 N. 4th Street,

Philadelphia, Pa.

New Catalogue on application.

Burnham Company furnished the material.
Hoo-Hoo.

WANT ADVERTISEMENTS.

Advertisements under this head one cent a word, cash with order. Plant advertisements NOT admitted under this head.

Every subscriber is entitled to a free situation wanted or help wanted advertisement not exceeding 35 words in any one issue during the year. If the advertisement exceeds 35 words, send at the rate of one cent for each additional word.

When answers are to be addressed in our care, add 10 cents for forwarding.

FOR SALE—New greenhouse material as follows: New 2-in. black pipe, long lengths, 10 cts. per ft.; 6x8, 50 ft. boxes, American glass, single, \$2.25 per box; 6x8, 50 ft. boxes, American, double, \$2.70 box; 6x8, 100 ft. boxes, French, single, \$4.00 box; 8x10 single French glass, \$4.50 per 100 ft. box; 12x14, 16x18, 14x14, 50 ft. boxes, American glass, double, \$3.60 box; 12x12, 10x14, 50 ft. boxes, American glass, single, \$2.40 box. Clear gulf cypress greenhouse material, and everything for building. Send for prices. S. Jacobs & Sons, 1365 to 1375 Flushing Ave., Brooklyn, N. Y.

FOR SALE—A market garden producing fruits, flowers and vegetables. Henry Houghton, Peotone, Ill.

WANTED—Good young florist, general greenhouse work; good wages. H. N. Bruns, 1409 W. Madison street, Chicago.

SITUATION WANTED—Strong, willing boy, 19, with florist in or near Chicago preferred; used to field work; references. No. 151, care Florists' Review, Chicago.

SITUATION WANTED—Or rent a place of 5000 to 10,000 ft. of glass, or more—By a man with 20 years' experience; a good brisk business wanted; in middle state first-class bank and practical reference. Address No. 147, care Florists' Review, Chicago.

WANTED—Working foreman for commercial place, 13,000 feet glass. Must be a good grower of roses, carnations, mums and bedding stock, a good designer and decorator. Good wages and steady employment to reliable man. Send references. McKellar Greenhouses, Chicago, Mo.

FOR SALE—Greenhouse property: 12,000 ft. of glass, 2 acres of land, 8 room dwelling house, centrally situated in a hustling Ohio city of 15,000. Natural gas used for heating and lighting, and everything in readiness for the coming season. Price, \$6,500. This plant will bear close investigation, but if you cannot raise the money please do not answer this ad. Address No. 148, care Florists' Review, Chicago.

"Green Goods"

ASPARAGUS PLUMOSUS, long, heavy strings. SPRENGER, SMILAX, GALAX. All cut flowers in season.

We have a fairly large supply of Roses, as good as could be expected at this season of the year.

"Right Goods at Right Prices." Let us have your order.

E. C. AMLING,

The Largest, Best Equipped and Most Centrally Located
Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St.,
Long Distance Telephones 1990 and 1977 Central.

Chicago, Ill.

Mention Review when you write.

SITUATION WANTED—In roses and carnations; 8 years' experience in general greenhouse work; references furnished; state wages and size of place in first letter. Address No. 149, care Florists' Review, Chicago.

FOR SALE—One hot water boiler; will heat 8,000 feet of 4-inch pipe; price \$75 f. o. b. Chicago. George Reinberg, 301 Balmoral Avenue, Chicago.

SITUATION WANTED—In florists' store by middle aged, sober man; 25 years' experience, excellent testimonials; first-class designer and decorator; understands seed and bulb business; permanent position; good wages. Address No. 150, care Florists' Review, Chicago.

FOR SALE—5,000 ft. of glass; 2 houses stocked with young carnation plants; 1 small house chrysanthemums; hot water heat; new last year; 1 1/2 acres, fruit, cottage, barn, city line, Rochester, N. Y. Florist, 89 Hamilton street, Rochester, N. Y.

WANTED—An assistant florist to grow carnations and pot plants; state experience and wages expected with board and room; send references. I. L. Pillsbury, Galesburg, Ill.

SITUATION WANTED—By a first-class grower of beauties, teas, carnations, mums, violets, bulb forcing, etc.; has been foreman for Poehlmann Bros. the past six years; best of references can be given. Jos. P. Brooks, Morton Grove, Ill.

SITUATION WANTED—An experienced salesman and designer open for engagement on or before Aug. 1st; first-class store only. State wages. Address No. 145, care Florists' Review, Chicago.

SITUATION WANTED—By competent gardener, 15 years' experience with hardy and greenhouse plants. Address 71 Bartlett street, Roxbury, Mass.

WANTED—3-inch boiler tubes. H. S. Baker, Warsaw, N. Y.

WANTED—Two or three men for carnations and roses. Bassett & Washburn, Hinsdale, Ill.

WANTED—For a commercial place, a competent and reliable florist, married man. Address J. J. Beneke, 1220 Olive St., St. Louis, Mo.

WANTED—A sober and reliable florist, one who is experienced in pot plants; no others need apply. Oechlin Bros., 1688 W. Madison St., Chicago.

WANTED—Position as traveller for a first-class horticultural firm in any line or as foreman. Years of experience. Best of reference, Jas. Vick's Sons, Vick & Hill Co. and others. Address A. F. Vick, Barnards, N. Y.

WANTED—Three experienced rose growers who know their business and will work to merit advancement. Good salary paid if ability is shown. Poehlmann Bros. Company, Morton Grove, Cook Co., Ill.

SITUATION WANTED—By an American, single, strictly temperate, as manager or working foreman on up-to-date place. First-class designer and decorator; one year manager present place; at liberty Sept. 15; California position preferred; state particulars; references exchanged; understands keeping books. Address No. 136, care Florists' Review, Chicago.

WANTED—Young man with some experience in general greenhouse work. Permanent place and good wages paid. Address No. 123, care Florists' Review, Chicago.

WANTED PARTNER—The writer wishes to correspond with an energetic young man, one who has executive ability and thorough knowledge of the growing of plants and cut flowers and who can furnish some capital to join advertiser in developing a first-class opportunity. We have a beautiful store, well equipped and doing good business and wish to increase the growing end of business. Address No. 142, care Florists' Review, Chicago.

FOR SALE—Cheap for cash, second-hand 4-in. cast iron pipe and fittings. Good condition. Address Cole Bros., Box 577, Peoria, Ill.

FOR SALE—About 3,000 feet of 2-in. pipe in first-class condition, 7c per foot, f. o. b. H. B. Lee, Bedford, O.

FOR SALE—Greenhouse property, about 4,000 ft. glass, well stocked, everything up-to-date, close to the finest cemetery in eastern Ohio. For particulars call or address W. S. Taggart, St. Clairsville, Ohio.

FOR SALE—Pair of first-class tubular steam boilers, 10 feet long, 36-inch diameter, in first-class condition with heavy full blast iron fronts. Grates and all appurtenances and belongings, f. o. b., \$250, if taken at once. Aug. S. Swanson, St. Paul, Minn.

FOR SALE—Greenhouses: northwestern Illinois; town of 400; two large lots, sloping south; three greenhouses and stock; city water; drilled well; fruit; six room residence. Established trade, two railroads. Send for particulars. No. 137, care Florists' Review, Chicago.

FOR SALE—The Florence Greenhouses, nearly 3,000 feet of glass; completely stocked with general line of plants; good stock of supplies. Good stock hardy plants outside. Hot water heat; splendid trade; best town in Colorado; no competition. \$1,000 cash takes it. Worth \$3,000. Immediate possession. Templin & Co., Florence, Colo.

FOR SALE—10,000 feet of greenhouses with a beautiful store attached and with living rooms well equipped above. Steam heated, located in a fine residence section of one of our largest northern cities. Has a well established trade both in cut flowers and plants. A young pushing American of German descent would step into a lucrative business. Price of land and buildings, \$15,000.00—a bargain! For further particulars address No. 143, care Florists' Review, Chicago.

For Sale. Florist store; centrally located; established 20 years. Will sell stock and fixtures with good will at a sacrifice. For further information address Mrs. J. Wolff, Ridge Ave. and Dauphin St., Philadelphia, Pa.

WANTED.

A gardener and florist by an agricultural college and experiment station in the middle west. A young, energetic, well trained, single man desired. Wages \$50 per month and room. Give references. Address

No. 146, care Florists' Review, Chicago.

AMERICAN BEAUTY,		Per doz.
20-inch stem.....		\$1.25
15-inch stem.....		1.00
12-inch stem.....		.75
Short stem.....		\$4.00 to \$5.00 per 100
		Per 100
Brides and Maids.....		\$3.00 to \$5.00
Meteors and Gates.....		3.00 to 5.00
Kaiserins.....		3.00 to 8.00
Carnations.....		1.00 to 2.00
Asters.....		1.00 to 2.00
Auratum Lilies, per doz., \$1.25 to \$1.50		
Gladioli.....		3.00 to 4.00
Valley.....		4.00
Marguerites.....		.40 to .50
Asparagus, per string, 25 to 50c.		
Asparagus Sprenger.....		2.00 to 5.00
Ferns...per 1000, \$1.00.....		.15
Galax.....		1.50
Adiantum.....		.75 to 1.00
Smilax.....per doz., \$1.25		8.00

Subject to change without notice.

FOR SALE—Two boilers, one cast iron, one water tube, in good order, for 2500 and 4000 ft. of glass respectively. \$50.00 each. Dann & Son, Westfield, N. Y.

FOR SALE.

Three greenhouses (built 3 years), each 128x18, well heated, hot water system by tubular return flue boiler; one and one-half acres of land and good dwelling house; in the village of Corfu, N. Y.; 25 miles west of the city of Buffalo; three minutes walk from station of New York Central R. R. Apply to

Wm. JEFFORDS, Corfu, N. Y.

....FOR SALE..

Gorton side feed steam boiler, No. 138 (largest size) for hard coal, in good condition, used only two winters. Robt. M. Schultz, the extensive and well known florist of Madison, N. J. testifies that a No. 137 (one size smaller) heated for him 15,000 sq. ft. of glass, keeping up a night temperature of 65 degrees and gave entire satisfaction. Other users certify to the efficiency of these boilers. Price \$200 f. o. b.

WM. B. Sands, Lake Roland, Baltimore, Md.

FIXTURES FOR SALE.

Store fixtures complete, consisting of refrigerator 8x6x8 feet, plate glass front 5x6, plate glass doors, box made to order after original design, desk with mirror 5x6 feet, mantel shelf with mirror 5x6 feet, all glass and mirrors beveled plate, counter table 10x4 feet, plant table 8x8 feet, zinc lined, other shelving and fixtures all made to order of select birch, stained mahogany; cost \$800, used six months; will sell at \$500. Address

AUGUST S. SWANSON, St. Paul, Minn.

FOR SALE.

Tanks! Tanks! Tanks!

Several round open top cypress tanks, practically new, at about half price. Hold 1200 gallons each. The staves and bottom are 2 1/4-in. thick, diameter 7 feet across bottom, 6 1/2 at top, 4 1/2 feet deep, 52-in. flat hoops. The above tanks have been but little used and are in perfect condition. Address

Box 18, So. Sudbury, Mass.



S. A. F. CONVENTION.

I will take charge of the exhibition of your goods at the S. A. F. Convention to be held at Milwaukee in August. Will give them good and faithful care and take orders if desired. Correspondence solicited. I refer by permission to The Florists' Review, The Chicago Carnation Co., Joliet, Ill., and The Joliet National Bank of Joliet, Ill. Address—

C. E. FINLEY, JOLIET, ILL.

Mention the Review when you write.

NURSERY NEWS.

AMERICAN ASSOCIATION OF NURSEYMEN.

Pres., N. W. Hale, Knoxville, Tenn.; Vice-Pres., F. A. Weber, St. Louis; Sec'y, Geo. C. Seager, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-eighth annual convention will be held at Atlanta, Ga., June, 1904.

THE Eleventh National Irrigation Congress will be held at Ogden, Utah, September 15 to 18. H. B. Maxon, Reno, Nev., is secretary.

JOHN BRISBEN WALKER, editor of the *Cosmopolitan*, Irvington, N. Y., has bought Berkeley lake and 100 acres surrounding it, in Colorado, and will improve the property.

L. BARBIER, nurseryman, of Orleans, France, has called on leading American firms, sailing from New York July 23. He says he found an optimistic sentiment everywhere in this country.

W. H. SMITH & SON, nurserymen, Springfield, O., have filed a petition in bankruptcy, scheduling liabilities of \$20,067, and no assets. The three members of the firm also filed petitions.

E. F. STEPHENS, of Crete, discussed "The Orchard Interests of the Platte Valley" at the summer meeting of the Nebraska State Horticultural Society at Fremont, July 28. Peter Youngers, of Geneva, is treasurer of the society.

THE bureau of forestry, U. S. Department of Agriculture, has planted 850 pounds of evergreen seeds at the station near Halsey, Neb. They find the seed of *Pinus ponderosa* gathered near Crawford, Neb., the most satisfactory in growth.

GENEVA, N. Y.—William Smith, of the W. & T. Smith Co., will, it is announced, found and endow a college for women to be known as the William Smith College for Women. This institution will be on a site of thirty acres in the outskirts of the city. The plans call for one building to cost \$150,000. Mr. Smith has made large donations to public institutions and also maintains Smith Observatory.

A PARTY of Texas nurserymen, including Fred W. Mally, of Garrison; T. V. Munson, of Denison; J. S. Kerr, of Sherman; E. W. Kirkpatrick, of McKinney; F. T. Ramsey, of Austin; C. Falkner, of Waco; E. J. Kyle, of College Station; A. K. Clingman, of Keithville, La., and Sam. H. Dixon, of Houston, secretary of the State Horticultural Society, is visiting the horticultural sections of southern California as the guests of the Southern Pacific railroad.

DANVILLE, N. Y.—Samuel Allen has perfected a machine which makes tree labels at the rate of 1,000 in three minutes. A strip of soft pine is placed in the machine and as it progresses the variety is printed on both sides, a hole is punched in the end, a wire attached, and the label is cut off at the proper length. There is also an attachment to the machine which will make a label to be stuck in flower pots, printing the name on both sides, sharpening it to a point and cutting the label off at the right length. Mr. Allen is fitting up the Gilman foundry on Franklin street for use in manufacturing these machines and making labels.

SOCIETY OF AMERICAN FLORISTS.

Plant Registration.

The Conard & Jones Co., West Grove, Pa., submits for registration Rose Leo XIII. Plant very vigorous; flowers pure white, large, quite double. First blooms open about May 20 and continues in bloom all summer and fall. This variety is as hardy as the single *Rugosa*.

The Conard & Jones Co., West Grove, Pa., submit for registration Rose Northern Light. Climbing; very vigorous; perfectly hardy; foliage large and leathery, deep glossy green. Flowers produced in large clusters of from fifty to seventy-five; single flowers measuring about two inches; very double; fragrant; color variable, pink, some on the same cluster half pink, others white.

WM. J. STEWART, Sec'y.

MALONE, N. Y.—Mrs. W. C. Stevens has sold out her florist business to Mrs. J. C. Barry.

LANSING, MICH.—C. S. Fitzsimmons has leased his greenhouse to Guerdon B. Smith, who took possession August 3.

WE OFFER A BEAUTIFUL STOCK OF

Kentia Belmoreana—		Char.	
In. high.	Size Pots.	Leaves.	Per 100
12-15	8-in.	5	\$18.00
18-20	4-in.	5	30.00
20-24	4-in.	6	50.00
Latania Borbonica—			
12-15	4-in.	2	15.00
15	4-in.	3-4	20.00
18-20	4-in.	5	30.00
Biota Aurea Nana—			
12-15	Very compact,		20.00
18-24			40.00
Cedrus Deodara—			
15-18	Very shapely,		25.00
20-24			30.00
Oranges—Best sorts, grafted on Citrus trifoliata, bearing sizes.			
12 in.	4 in. pots, bushy		20.00
15-18 in.	4-in. pots,		30.00
Kumquats—			
10-12 in.	4-in. pots,		20.00
Exochorda Grandiflora—			
18-24 in.	Very bushy, transpl.		8.00
2-3 ft.	Heavy,		12.00
Hydrangea Rosea, Thos. Hogg, etc.			
Strong field-grown, well branched.			
12-15 in.			8.00
24-36 in.			12.00

(Not less than 40 of a sort sold at 100 rate.)

We also offer an immense stock of ornamental trees, shrubs, conifers, azaleas, camellias, and other stock suitable for landscape work.

No Disease or Insects on our Stock.
Catalogues sent on application.

P. J. BERCKMAN'S COMPANY, (Inc.)

Fruitland Nurseries,

AUGUSTA, GA.

Mention The Review when you write.

W. & T. SMITH COMPANY,
GENEVA, N. Y.

Wholesale Growers of Ornamental Trees, Shrubs, Roses, Clematis, Fruit Trees, and Small Fruits in great variety.

Send for our Wholesale Price List.

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Send to **THE MOON** Company
For { Trees, Shrubs, Vines,
Your { and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.,
Morrisville, Pa.
Mention the Review when you write.

Seed Trade News.

AMERICAN SEED TRADE ASSOCIATION.

Pres., S. F. Willard, Wethersfield, Conn.; First Vice-Pres., J. Chas. McCullough, Cincinnati, O.; Sec'y and Treas., C. E. Kendel, Cleveland, O. The 22d annual meeting will be held at St. Louis, Mo., June, 1904.

VISITED CHICAGO.—Chas. Crossman, of Crossman Bros., Rochester, N. Y.

ADVANCE orders for cucumber seed continue to come in at very good prices.

VISITED ST. LOUIS:—Howard M. Earl, of W. Atlee Burpee & Co., Philadelphia.

THE Manitowoc Seed Co., Manitowoc, Wis., is building a new brick block for offices and warehouse and will put up another warehouse in the fall.

GOOD growing weather is reported at most of the bean-growing stations. A good, sturdy growth at this time will be of value should adverse climatic conditions come later.

CONSIDERABLE anxiety prevails as to the outcome of the sweet corn crop. Definite information about Evergreen and other late sorts seems to be especially asked for.

GEMS, and some other of the early wrinkled peas, do not seem to be as short as at first reported. The pea crops generally are likely to be better than was anticipated a week or two back.

CLOVER seed crop has secured a very good start. It looks better than a year ago, when later it did not fill properly. Crop is later than usual. Prospects are very good in Indiana, good in Ohio, Illinois and Missouri, and not quite so good in Michigan.

LATE advices from Ollicoules, France, indicate great unrest among the growers and large importers expect a break in the market for Romans unless the growers and the jobbers reach an early agreement, which now seems not unlikely. Only a few small shipments have as yet been made.

The beneficent results of the government free seed distribution are very apparent to the florists of a western town. The congressman for the district sends the bulk of his quota of seeds to a local politician for distribution "where they will do the most good." This thrifty individual holds out the cabbage and tomato seed and grows large quantities of cabbage and tomato plants, which are put on sale at all the grocery stores at prices that "defy competition" by the local florists, all of whom formerly grew vegetable plants for sale, but have been obliged to abandon that department of their business on account of this sort of competition.

PHILADELPHIA, PA.—The outlook of some of the seed crops grown in New Jersey is very discouraging, to say the least. In Cumberland and Gloucester counties quite a large acreage is devoted to egg plant, tomato, cucumber, pepper, watermelon and muskmelon seed. Egg plants show blight to an extent of twenty-five per cent, with every indication of its extending still further. Many fields of watermelons and muskmelons will not produce twenty-five pounds of seed to the acre, while in one locality

a field of twenty-eight acres of cucumbers is an absolute failure on account of the blight. Peppers show a very weak growth and some fields are so backward on account of the cold nights and not too warm days, that it is doubtful whether the seed will mature before frost. Early tomatoes are setting very poorly. It is somewhat too early to give definite information on the late sorts, still the outlook is not encouraging.

ONION SETS AT CHICAGO.

Onion set harvesting continues at Chicago. The weather is not as favorable as it might be, but good progress is being made. The crop this year shows much variation. There is not the usual uniformity of the tops drying down and consequently much less uniformity of bushels from a given acreage. It is likely to be a long drawn out harvest and many fields where a full quantity is expected will disappoint the growers. Fields that promise to the casual observer an immense crop show by close inspection a serious defect occasioned by the bulbs not forming. Many patches in some of the larger fields are wretchedly thin and in these the yield of sets will be but a small proportion of the crop. In other fields the direct opposite is the case, the stand seemingly having been too thick to permit more than half the proper quantity of bulbs to make. It is of course understood that what have not now made will be clean waste. The harvest thus far gives no promise of the crop being more than two-thirds of what is usually harvested at Chicago and it is more likely to be less than two-thirds of a normal crop.

BALTIMORE.

There is stillness in the air and the dullness of trade is nigh absolute. Save for an occasional funeral order, practically there is no trade. The early closing hours of the Charles street florists are apparently better observed than ever before. In the past week there have been further heavy rains, with some hail, but the weather between is absolutely perfect.

There is considerable building going on, besides the customary alterations and improvements. Julius Tischinger is building four houses near Govanstown, and his old establishment is being advertised for rent.

The boiler men have been in evidence lately, and have booked numerous orders, the Lord & Burnham Co. being very fortunate in this regard.

E. Holden, whose skill is eminent as a grower of forced vegetables, has completed his dwelling and a mushroom house on his new place near Paradise.

John Cook, the rose grower and originator, continues his labor of love, and has many candidates under observation. He has a house planted with some 500 of his newer varieties, a bright crimson rose, with fine, long stems and profuse flowering, a cross between Liberty and one of his own pink seedlings.

The contract for hyacinth and tulip bulbs for the public parks was awarded to Frederick G. Berger, who had no competition.

There seems to be little interest so far in the Milwaukee convention. So far as known, Charles L. Seybold, superintendent of Patterson Park, is the only one who has absolutely decided to attend.

Stumpp & Walter Co
50 Barclay St. N.Y.

Cycas Stems.

2 to 3 lbs. 4 to 5 lbs. 6 to 7 lbs.
Per 100 lbs....\$7.50 Per 1000 lbs....\$65.00

Burpee's Seeds Grow

SEEDS

THE ALBERT DICKINSON CO.

Timothy, Clovers, Flax, Hungarian, Millets, Red Top, Blue Grass, Lawn Grass, Orchard Grass, Pasture Mixtures, Bird Seeds, ENSILAGE CORN, POP CORN, BUCKWHEAT, BEANS, PEAS, ETC. COTTON GRAIN BAGS. CHICAGO ILL.

Florists Mignonette

FOTTLER'S ECLIPSE.

Greenhouse Grown Seed in trade packets of about 2000 seeds, \$1.00.

Finest strain ever offered — Immense spikes, highly colored and fragrant.

PANSY. Special strain for florists. Trade pkt., 50c; per oz., \$5.00.

Choice strains of Florists' Seeds and Bulbs our specialty.

Trade catalogue on application.

SCHLEGEL & FOTTLER CO., Seedsmen, BOSTON, MASS.

Mention Review when you write.

Isaac H. Moss and Fred C. Bauer are "almost persuaded," and there may be one or two precincts to hear from, but the bulk of the army seems waiting to attack St. Louis next year. The railroad men are active, however, and may drum up a larger contingent.

Nicholas Kress, an example of our old-fashioned gardeners, who were early in the field of activity and usefulness, has nearly completed sixty years of life in America. Coming to Baltimore from Frankfort-on-the-Main, where he learned his trade, he was for about sixteen years gardener on the private place of Mr. Rodewald. He then established a florist's business of his own, carried it on with much success for many years, and handed it down to his son, Edward, also a prudent and successful business man, and now respected and contented, lives at his ease, after a busy and well-spent life of more than 80 years, among his family and friends, whose pleasure it is to see him cheerful in temper and bright in mind in the rays of the setting sun.

B.

SPRINGFIELD, O.—The board of equalization has added to the assessed value of some of the greenhouse property here because of improvements made this year.

SOUTHINGTON, CONN.—The heirs of the Dwight Twichell estate have transferred to C. W. Blatchley the Plantsville greenhouse property on Main street. Mr. Blatchley has had charge of the houses for some time and under his management many improvements have been made. Now that he has become the owner, he proposes to keep them thoroughly up-to-date.

ESTABLISHED 1802.

Thorburn's Seeds

for over a 100 years have been universally recognized as the standard of excellence.

Florists are invited to send for our

ANNUAL TRADE LIST OF BULBS
just published.

New Crop **Thorburn's Superb Pansy**
and **Madame Perret Pansy,**
NOW READY.

Cycas Revoluta Stems.

J. M. THORBURN & CO.
36 Cortlandt St., NEW YORK.

Mention the Review when you write.



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Arlington Tested

Seeds FOR THE FLORIST

Catalogues Mailed Free.

W. W. RAWSON & CO., Seedsmen,
12 and 13 Faneuil Hall Square, BOSTON.
Mention Review when you write.

CINERARIA SEED

Large Flowering—Splendid mixed, 50c and \$1.00
Dwarf—Splendid

mixed.....50c and 1.00

Primula Chinese Fringed — Sep-

arate or mixed50c

Pansy Superb Mixed—Unexcelled

strain, 1/8-oz., 75c.....ounce, 5.00

W. C. BECKERT, - ALLEGHENY, PA.

Mention the Review when you write.

BEGONIA GLOIRE DE LORRAINE

Strong, 2-inch pots.

\$15.00 per 100; \$140.00 per 1000

J. H. REBSTOCK, 586 Main Street, BUFFALO, N. Y.

Mention the Review when you write.

Always mention the Florists' Review when writing advertisers.

SAMUEL S. PENNOCK,

SUMMER ROSES.

Open from 7:30 a. m. to 6 p. m.
During July and August
close on Saturdays at 1 p. m.

Wholesale Florist,
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E. F. WINTERSON CO.

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SUPPLIES everything used by Florists, Nurserymen, Gardeners, Seedsmen, Cemeteries, Parks, etc.

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WRITE FOR WEEKLY PRICE LIST.

45-47-49 Wabash Avenue,

TELEPHONE
MAIN 1129.

CHICAGO.

CLEVELAND.

The Market.

The prices of cut flowers remain the same as last quoted, with a slight increase in quantity, and with the quality improving on account of the cool weather of the past week. Some of the growers are sending in roses from the young plants, and they are a welcome relief, being much larger and better than those cut from the old plants, even if the stems are shorter. Carnations are things of the past, asters taking their place, and some very good white, pink and lavender are seen. Sweet peas are getting short of stem, but come in very handy for funeral work. Auratum lilies have been in good demand, and are used in almost every design sent out.

There is a great deal of talk about going to the convention, and if they all stick to what they say, we will be well represented. Among those who will surely be found there are Mr. and Mrs. L. Warnke, Mr. and Mrs. A. Schmitt, George Smith, of Smith & Son; Isaac Kennedy, A. Graham, John Merkel and Carl Hagenburger.

C. M. Wagner has returned from a two weeks' vacation, looking fine and well tanned.

The Misses Schmitt, daughters of Aug. Schmitt, are spending a month visiting relatives and friends in Illinois.

E.

COLORADO SPRINGS, COLO.—G. Fleischer, of Pueblo, and A. M. Lewis, of the Gallup Floral Co., Denver, are to judge the flower show here August 19 to 21.

VICTORIA, B. C.—The Invertavish Nurseries, doing a general florists' business, have been taken over by P. T. James, until recently gardener at the Douglas estate.

MINNEAPOLIS, MINN.—The Journal's free sweet pea show is on this week. They issued a handsome poster in colors and also devoted the colored supplement in last Sunday's issue to the show.

FREMONT, NEB.—At the meeting of the Nebraska State Horticultural Society held here July 28 and 29, Chas. H. Green, of this city, read a paper, "Floriculture," and C. S. Harrison, of York, talked on perennials.

NEW CROP Just Arrived

Cyclamen Persicum Giganteum

We have just received from our grower new crop seed of above: there is nothing choicer in quality than this stock. If you grow cyclamen you should secure your requirements at once.

We can furnish it in **Pure White, Rose, Blood Red and White with Carmine eye** at 75 cts. per 100 seeds. \$6.00 per 1000 seeds. **Finest mixed colors** 60 cts. per 100 seeds. \$5.00 per 1000 seeds. (250 seeds or more at 1000 rate.)

For other seasonable flower seeds and bulbs see our current wholesale list.

HENRY A. DREER, Phila.

Mention The Review when you write



CYCLAMEN PERSICUM GIGANTEUM.

Field-Grown Carnations

Crane, Marquis, Gov. Roosevelt, Glacier, Joost, Lorna, Morning Glory, Wolcott, Nelson, Maceo, Apollo, Crocker, Prosperity, Dorothy, Gaily, Alba, Cressbrook, Elma, first size, \$8 per 100; second size, \$5.00 per 100.

ROSE PLANTS.

200 4-inch American Beauties.....\$12.00 per 100
300 4-inch Meteors..... 8.00 per 100
500 2½-inch Brides..... 8.50 per 100
250 2½-inch Balduins..... 5.00 per 100

CASH OR C. O. D.

W. J. & M. S. VESEY, Ft. Wayne, Ind.

Mention the Review when you write.

ORCHIDS..

Arrived in splendid condition a grand lot of *Cattleya labiata*; also *C. Maxima*. Write for prices.

Lager & Hurrell, Growers and Importers, Summit, N. J.

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CARNATIONS!

Extra Fine, Healthy, Field-Grown Plants

The following varieties, ready for immediate planting, \$6.00 per 100. Lawson, Prosperity, Crane, Lorna, Guardian Angel, White Cloud, Bradt, Marquis.

CHRIS. HANSEN, - St. Paul, Minn.

Mention the Review when you write.

Good Fortune is the Chum of Opportunity.

This is your chance to lay in a stock of **Godfrey Aschmann's** tip-top *Araucaria Excelsa*. Do it now and they will help to fill your treasure box; they will be growing into money for you while you're asleep. We are headquarters for this great favorite among decorative plants. Our houses are full of choice April importations—no seedlings—raised in Belgium from top cuttings only. Here is my very lowest quotation. Who can beat such stock as I offer for the money?

5½-in., 8 to 4 tiers, 10 to 12 in. high.....\$0.50 each
5½-in., 8 to 4 " 10 to 12 " very broad .60 "
5½-in., 8 to 4 " 13 to 15 " .75 "
6-in., 4 to 5 " 16 to 19 " 80c, 90c, 1.00 "

Cycas Revoluta—(Sago Palm) very fine, 6 to 7-inch pots, from 3 to 4, 5, 6, 7 and 8 leaves, 10c per leaf.

Kentia Forsteriana—86 to 42 inches high, 5½-in. pots, 75c to \$1.00 each.

Ficus Elastica—Imported, 4-inch pots, 25c each.

Boston Ferns—5-in. pots, 25c to 35c each
Asparagus Plumosus—3-in., at the rate of \$10.00 per 100.

Solanum—(Jerusalem Cherry), 2½-inch, to clean out, only \$2.00 per 100.

Cash with order please. Goods travel at purchaser's risk only. Please state if with or without pots.

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Wholesale Grower and Importer of Pot Plants,

1012 Ontario Street, PHILADELPHIA.

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ALL CUT FLOWERS IN SEASON. CLOSE AT 8:00 P. M.

SOW NOW! Johnson & Stokes' TESTED FLOWER SEEDS

The stocks herein offered have been carefully selected by reliable growers and cannot fail to give the most critical florist satisfaction.

CINERARIA. Trade pkt. Oz.
English Prize Mixed (show varieties).
1/4 trade pkt., 50c.....\$1.00

DOUBLE DAISY (Bellis Perennis.)
Snowball (pure white)..... .30 \$1.50
Longfellow (pink)..... .30 2.50
Giant Mixed..... .30 2.00
Fine German Mixed..... .25 1.75

MIGNONETTE.
Defiance, long spikes, fragrant, best
for cutting..... .15 .50
Machet (True), dwarf, deep red, fine
for pots..... .15 .50
Golden Machet..... .15 .50

MYOSOTIS (Forget-Me-Not). Trade pkt. Oz.
Alpestris Victoria, dwarf, sky blue...\$.25 \$1.00
Alpestris, blue..... .15 .40
Disitiflora, large flowered, early..... .30 2.00
Palustris (True Forget-Me-Not)..... .30 1.50

PRIMULA (Chinese Primrose.)
English Prize Fringed Mixed, unsur-
passed, per 100 seeds, 25c; 500 seeds,
\$1.00; 1000 seeds, \$1.50.
Obconica Grandiflora..... .50

PANSY. J. & S. Kingly Collection.
Unquestionably the finest strain of
Giant Pansy now offered to the
trade; 100 seeds, 30c; 2000 seeds,
50c; 5000 seeds, \$1.00..... 5.00

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PRIMROSES

IMPROVED CHINESE. Finest large-
flowering fringed varieties grown, single and
double, named or mixed, ready for 8-inch pots,
\$2.00 per 100. Extras added liberally.

XXX SEEDS

CHINESE PRIMROSE Finest grown,
large flowering, fringed, single and double, 15
varieties, mixd., 500 seeds, \$1.00; half-pkt., 50 cts.

CINERARIA. Finest large-flowering, dwarf,
mixed, 1000 seeds, 50 cts.

PRIMULA OBCONICA Grandiflora. The
finest large-flowering, 1000 seeds, 50 cts.

DAISY. Double Giant, white and rose, mixed
or separate, 1000 seeds, 25 cts.

GIANT PANSY SEED.

The best large-flowering varieties, critically
selected, 5000 seeds, \$1.00; half-pkt., 50 cts.

500 seeds of Giant "Mme. Perret" added
to every \$1.00 pkt. of Giant Pansy seed.

Cash. Liberal extra count of seeds in all
packets.

JOHN F. RUPP, SHIREMANSTOWN, PA.
The Home of Primroses.

Wholesale Cut Flower Prices.

Philadelphia, Aug. 5.

	Per doz.	
Beauties, Specials.....	\$ 2.50 to \$ 3.00	
Extra.....	1.00 to 1.50	
No. 1.....	.75	
Queen of Edgely, Specials.....	2.50 to 3.00	
Seconds.....	1.00 to 1.50	
Thirde.....	.75	
Per 100		
Brides and Maids, Specials.....	\$1.00 to \$6.00	
No. 2.....	2.00 to 3.00	
Golden Gates, Firsts.....	4.00 to 6.00	
Seconds.....	2.00 to 3.00	
Kaiserin, Firsts.....	6.00 to 8.00	
Seconds.....	2.00 to 4.00	
Liberty, Firsts.....	6.00 to 10.00	
Seconds.....	2.00 to 5.00	
Meteors, Firsts.....	4.00 to 6.00	
Seconds.....	2.00 to 3.00	
La France, Firsts.....	4.00 to 6.00	
Seconds.....	2.00 to 3.00	
Carnations, Commons.....	.50 to 1.00	
Selects, all colors.....	1.50 to 2.00	
Fancy.....	3.00 to 4.00	
Adiantum Cuneatum.....	1.00	
Asparagus plumosus, Strings.....	35.00 to 50.00	
Sprenger's Sprays, per bunch, 35-50c		
Smilax.....	12.50 to 15.00	
Cornflower.....	.20	
Lilium Harrisii.....	8.00 to 12.50	
Lilium Auratum.....	\$2.00 per doz.	
Tiger Lilies.....	\$2.00 doz. stalks	
Lily of the Valley.....	2.00 to 5.00	
Double Petunias.....	.50 to 1.00	
Sweet Peas.....	.20 to .40	
Gladioli.....	2.00 to 3.00	
Asters.....	1.00 to 2.00	
Dahlias.....	1.50	
Daisies, Yellow.....	1.00	

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Regular shipping orders given special attention. We
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Greenhouses: Pleasant Hill, Mo.

FOR SOUTHERN WILD SMILAX

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Write, Wire or Phone the Introducers

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B. Deamud, Chicago; H. Bayersdorfer & Co.,
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ning, St. Louis, Mo.

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Smilax Seedlings,

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Carnations, Geraniums,
Smilax, Asparagus.

Correspondence Solicited.

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Miscellaneous Greenhouse Stock

	Per 100
Acalypha Macafeeana.....	\$3.50
Strobilanthes Dyerianus, 75 cts. per doz.	5.00
Abutilons in var., \$20.00 per 1000.....	2.50
Pompon Chrysanthemums, 50 var., \$17.50	
per 1000.....	2.00
Coleus, in var., \$17.50 per 1000.....	2.00
2 1/4-in. pots, per 100.....	\$2.50
Fuchsias, in variety.....	2.00
Hardy English Ivy, extra strong.....	2.50
Lemon Verbena.....	2.00
Sedum variegata.....	2.00
Smilax.....	2.00
Swainsona Alba.....	2.00
(Rooted Cuttings of Hardy English Ivy, 75c per 100; \$5.00 per 1000.) Send for trade list. Cash with order.	

R. VINCENT, Jr & SON, White Marsh, Md.

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Specimen Palms Latania Borbonica

We have a limited quantity of extra fine spec-
imens in 14-in. pots; will close out at \$7.50 each.
This is a bargain; give us your order at once.

Wagner Park Conservatories, Sidney, O.

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Charles Millang, New York

We are headquarters
for every kind of Cut
Flowers in their season.

"THE LILY KING." Reasonable Prices.
Square Dealing.
Out-of-town florists promptly attended
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SHIPPING ON COMMISSION.
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BRADSHAW & HARTMAN,
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Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
ORCHIDS A SPECIALTY.
HEADQUARTERS FOR NOVELTIES

W. GHORMLEY,

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The largest commission house in America

for Roses, Violets and all other varieties of Cut Flowers.

My large shipping trade enables me to command the highest prices.

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WHOLESALE FLORIST,
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We ship all over the United States. Consignments realize with
us the best market prices. Tel. 167 Madison Sq.

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CUT FLOWERS
39 West 28th St., NEW YORK.
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Receiving Extra Quality American Beauties
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OPEN ALL DAY!
AN UNEQUALLED OUTLET FOR CONSIGNED FLOWERS
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JAMES A. HAMMOND,
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113 W. 30th St., NEW YORK CITY.
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Consignments receive conscientious and prompt
attention. Highest market price guaranteed.
The finest stock in the market always on hand.

Plants and Rooted Cuttings a Specialty.
E. I. RAWLINGS,
Wholesale Florist,
32 to 44 S. Ninth St., QUAKERTOWN, PA.
OUR MOTTO is to supply a standard grade of
stock equal to any on the market, at low prices.
Our prices enable you to make a good profit, also
enables us to move our stock quickly, which is an
advantage to both buyer and seller.

**YOU WILL FIND ALL THE BEST
OFFERS ALL** the time in the
Review's Classified Advs.

Wholesale Cut Flower Prices.

New York, Aug. 5.

	Per 100
Beauties, Specials	\$10.00 to \$20.00
Extra	6.00 to 8.00
No. 1	2.00 to 3.00
Shorts	1.00 to 2.00
Queen of Edgely, Specials	10.00 to 20.00
Extra	6.00 to 8.00
No. 1	2.00 to 3.00
Brides and Maids, Specials	3.00 to 4.00
Extra	2.00 to 3.00
No. 1	1.00 to 2.00
No. 2	1.00
Liberty	5.00 to 10.00
Meteor	2.00 to 4.00
Cattleyas	40.00 to 60.00
Cypripediums	12.00
Dendrobium formosum	15.00 to 25.00
Laelias	10.00 to 40.00
Carnations, Common .....	.25 to .50
Selects .....	.50 to .75
Fancies .....	.75 to 1.00
Novelties	1.00 to 2.00
Asters .....	.50 to 1.00
Gladioli .....	.50 to 2.00
Mignonette .....	.50 to 1.00
Stocks, per 100 bunches, \$2 to \$3.	
Sweet Peas, per 100 bunches, \$1 to \$2	
Adiantum cuneatum .....	.25 to .35
Croweatum .....	.75 to 1.00
Asparagus plumosus, Strings	25.00 to 50.00
Sprengeri Sprays	1.00 to 2.00
Harrisii Hiles	4.00 to 8.00
Valley	1.00 to 2.50
Smilax	8.00 to 12.00
Ferns, Common, per 1000, 75c.	
Fancy, per 1000, \$1.50.	

Business maintains the "even tenor of its way" and continues normal for the season of the year. Gradually but surely the improvement in conditions will be noted until, almost before we realize it, the fall season will be here and the quiet summertime forgotten. The bon-ton out-of-town trade appropriates every good flower that is not used locally. Cattleyas have been in demand at good prices. Extra fine Lawson carnations have brought 3 cents for Newport requirements and Beauties advanced to 25 cents. We look for a steady market hereafter and an early opening of the metropolitan season.

PLANT your adv. in the REVIEW if you want a crop of business.

WHEN YOU WANT Engravings made

send us Photos or clippings from other catalogues and let us reproduce them. We make the cuts for the Florists' Review.

DEARBORN ENGRAVING CO.,
300-306 Dearborn St., CHICAGO.

Mention the Review when you write.

JOHN YOUNG

Special American Beauties,
Surpassing Carnations,
Lily of the Valley, Orchids
and all seasonable flowers.
51 W. 28th St., NEW YORK.
Tel. 1905 Madison Sq.
Mention the Review when you write.

Young & Nugent

42 West 28th Street
New York

Send for Quotations
Mention the Review when you write.

H. C. RIEDEL. F. D. SPICER.

Riedel & Spicer
Wholesale Florists,
Strictly Wholesale, 34 W. 29th Street,
Tel. 3039 Madison Sq. New York City.

The New York Cut Flower Co.

55 and 57 West 26th Street,
WHOLESALE FLORISTS.
Daily Reports. Weekly Payments.
Tel. 2239 Madison Sq. J. A. MILLANG,
2034 Madison Sq. Manager.

Mention the Review when you write.

FOLEY'S FLORAL FOTOGRAPHS

Send for my Floral Album, size
12x11, containing 24 different funer-
al designs Sent to any part of the
country by express, \$7.00 c. o. d.

226-226 1/2 Bowery, NEW YORK.

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When Writing Advertisers.

The Philadelphia Wholesale Flower Market.

Asparagus Sprengeri, Strong Clumps for Dividing. Write for Prices. Fine BEAUTIES.

OPEN FROM 7:00 A. M. TO 5:00 P. M.
SATURDAYS CLOSE AT 1:00 P. M.

1228 CHERRY STREET, PHILADELPHIA.

ALEX. J. GUTTMAN, Wholesale Florist.

All seasonable Flowers and Novelties at proper prices can be had at
52 West 29th Street, New York.
Telephone 1738 Madison.
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ESTABLISHED 1872.

John J. Perkins

WHOLESALE and COMMISSION FLORIST,
115 West 30th St., NEW YORK.
Telephone No. 956 Madison Sq.

WANTED a few more reliable growers of Carnations and Violets. Only first-class stock handled.

BRANCH STORE, 48 West 30th St., New York. R. W. PERKINS, Manager.
Consignments Solicited. Quick returns to Shippers. Highest Market Prices Guaranteed.
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WM. SAMPSON,

Coogan Building, WHOLESALE FLORIST.
26th St. and 6th Ave.

With the New York Cut Flower Co.
Tel. No. 2239 Madison. Consignments Solicited.
Specialties, CARNATIONS and MIGNONETTE.
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....THE....

COTTAGE GARDENS

Wholesale Florists,
QUEENS, L. I., N. Y.
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HARDY CUT FERNS.

Write for Prices.



FANCY

DAGGER

L. B. BRAGUE,

Oldest, largest and most reliable dealer in the U. S. HINSDALE, MASS.
Mr. Brague will have an Exhibit at the Convention Hall, Milwaukee.

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A SPLENDID OFFER.

Asparagus Plumosus, 3-in., \$5.00; 4-in., \$8.00 per 100. Asparagus Sprengeri, 2-in., \$2.00; 3-in., \$5.00; 4-in., \$7.00 per 100. Aspidistra Green, 4-in., \$25.00 per 100.

ADOLPH G. FEHR, Belleville Ill.
Mention Review when you write.

Wholesale Cut Flower Prices.

Buffalo, Aug. 5.

	Per 100	Per 1000
Beauties, Specials.....	\$20.00 to \$25.00	
Extra.....	10.00 to 15.00	
" No. 1.....	5.00 to 8.00	
" Shorts.....	1.00 to 3.00	
Brides and Maids, Extra.....	8.00 to 10.00	
" No. 1.....	3.00 to 4.00	
" No. 2.....	1.00 to 2.00	
Carnot.....	2.00 to 5.00	
Cusin.....	1.00 to 4.00	
Golden Gate.....	1.00 to 4.00	
Kaiserin.....	2.00 to 5.00	
Liberty.....	1.00 to 3.00	
Meteor.....	1.00 to 5.00	
Mrs. Morgan.....	1.00 to 5.00	
Perle.....	2.00 to 4.00	
Sunrise.....	1.00 to 3.00	
Carnations, Selects.....	1.00 to 2.00	
Adiantum Cuneatum.....	.50 to 1.00	
Asparagus plumosus, Strings.....	40.00 to 50.00	
" Sprays.....	1.00 to 2.00	
" Sprengeri, Sprays.....	1.00 to 3.00	
Asters.....	.50 to 1.50	
Gladioli.....	1.00 to 3.00	
Lilium Auratum.....	8.00 to 12.50	
" Speciosum.....	2.00 to 5.00	
" Harrisii.....	15.00	
" Longiflorum.....	15.00	
Lily of the Valley.....	2.00 to 4.00	
Smilax.....	10.00 to 15.00	
Sweet Peas.....	.10 to .35	
Water Lilies.....	.50 to 3.00	
Galax.....	.10 to .15	
Leucothoe.....	.50 to .75	
Common Ferns.....	.10 to .15	

A. J. FELLOURIS,



Wholesale and Retail
Dealer in all kinds of

EVERGREENS.

GALAX, Bronze or Green,
\$1.00 per 1000.

FERNS, Fancy, \$1.50 per 1000.
Dagger, .75

468 Sixth Avenue, NEW YORK

Between 28th and 29th Streets.

Telephone 1431 Madison Square.

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We are headquarters for HARDY CUT FERNS!

Fancy or Dagger, 50c per 1000. Contracts made to supply the year around. Use our Laurel Festooning. It's the best decorative material to be found, we make it fresh daily 4c, 5c and 6c per yd. Bargains in Galax, A No. 1 quality, Bronze or Green, 75c per 1000 in 10,000 lots. Mosses, &c. Send us your wants and be well satisfied.



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Tel. Office, New Salem.

Long distance telephone connections.

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FRANK H. TRAENDLY. CHARLES SCHENCK. TRAENDLY & SCHENCK, Wholesale Florists

AND CUT FLOWER EXCHANGE
38 W. 28th St., NEW YORK.

Telephones 798 and 799 Madison Square. CONSIGNMENTS SOLICITED.

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Hicks & Crawbuck

Wholesale Florists,

108 Livingston Street, BROOKLYN, N. Y.

Tel 3660-3661 Main.

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GALAX.

Brilliant Bronze, at 75c per 1000 in 2000 lots or more.

FERNS—Fancy, \$1.25 per 1000; Dagger, \$1.00 per 1000. Green Sheet Moss—\$2.50 per bbl. sack. Sphagnum Moss—\$1.75 per large bale.

All kinds FLORISTS' SUPPLIES.

L. J. KRESHOVER, 110-112 W 27th St., New York

TEL. 597 MADISON SQUARE.

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PITTSBURG CUT FLOWER CO. Ltd

WHOLESALE FLORISTS, Pittsburgh, Pa.

Mention The Review when you write.

Philadelphia Palms JOSEPH HEACOCK WYNCOTE, PA.

See adv. July 30th issue, page 346.

Mention the Review when you write.

N. LECAKES & CO.

45 West 29th St., NEW YORK

Tel. No. 1214 Madison Sq.

and

53 W. 28th St.
(Basement)

Tel. 1797 Madison Sq.

Stands at Cut

Flower Exchange

Coogan Bldg., W.

26th St., and 34th Street Cut Flower Market.

SPECIALTIES

GALAX LEAVES, FERNS and
LEUCOTHOE SPRAYS.

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National Florists' Board of Trade.

NEW MANAGEMENT.
PROMPT COLLECTIONS
AND PROMPT RETURNS.

Full information concerning all claims entrusted to us. Plenty of time to attend carefully to your interests.

Satisfaction guaranteed. No delays. No neglect. No waiting.

NEW OFFICES, 58 PINE STREET,

Rooms 601, 602, 603.

NEW YORK CITY.

Telephone 4673 John Street.

HARRIS H. HAYDEN, Pres.

WM. A. MOORE, Vice-Pres.

JNO. E. WALKER, Sec. and Treas.

Mention The Review when you write.

Wholesale Cut Flower Prices.

Chicago, Aug. 5.

	Per doz.
Beauties 24-inch stems.....	\$2.00 to \$2.50
" 20 ".....	1.50
" 15 ".....	1.25
" 12 ".....	1.00
Shorts.....	.75
Per 100.	
Bridesmaids, Specials.....	\$4.00 to \$5.00
" Firsts.....	2.00 to 3.00
" Seconds.....	1.00
Brides, Specials.....	4.00 to 5.00
" Firsts.....	2.00 to 3.00
" Seconds.....	1.00
Kaiserin.....	4.00 to 5.00
Liberty, Specials.....	8.00 to 10.00
" Firsts.....	6.00 to 8.00
" Seconds.....	3.00 to 5.00
Golden Gate, Firsts.....	4.00 to 5.00
" Seconds.....	2.00 to 3.00
Meteor, Firsts.....	4.00 to 5.00
" Seconds.....	2.00 to 3.00
Mme. Chateaufort, Firsts.....	6.00 to 8.00
" Seconds.....	3.00 to 5.00
Ivory, Firsts.....	4.00 to 5.00
" Seconds.....	2.00 to 3.00
Perles, Firsts.....	4.00 to 5.00
" Seconds.....	2.00 to 3.00
Carnations, Fancy.....	2.00
" Commons.....	1.00 to 1.50
Gladioli.....	2.00 to 4.00
Asters.....	.50 to 1.00
Water Lilies.....	1.00
Sweet Peas.....	.20 to .40
Auratum Lilies.....	\$1.00 to \$1.50 doz
Valley.....	3.00 to 5.00
Shasta Daisies.....	2.00
Marguerites.....	.40 to .50
Adiantum cuneatum.....	.75 to 1.00
Asparagus plumosus, Strings.....	25.00 to 50.00
" Sprays.....	2.00 to 3.00
Asparagus Sprengeri, Sprays.....	2.00 to 5.00
Smilax.....	\$1.25 per doz.
Common ferns, per 1000.....	\$1.00
Galax Leaves, \$1.50 per 1000	

Special in Palms
Latania Borbonica.

4-inch \$3.50, 5-inch \$6.00, 6-inch \$9.00 per doz.

— Write —

GEO. A. KUHLE, PEKIN, ILL.

Mention the Review when you write.

Asparagus Sprengeri!

2-inch pots.....	\$2.00 per 100
2½-inch pots.....	2.50
3-inch pots.....	3.00

We prepay express charges and guarantee satisfaction.

LOOMIS FLORAL CO., - - LOOMIS, CAL.

Mention The Review when you write.

YOU CAN PLANT AT ANY TIME ROSES
FROM 4 AND 5-INCH POTS.

Crimson and Yellow Rambler, Coquette des Blanches, Clothilde Soupert, etc., fine, clean plants. 9c. Large flowered Clematis, finest purple, lavender, white and pink sorts, 2 year, from 5-inch pots, 18c; 1-year, from 3-inch, 9c. Clematis Paniculata, 2-year, from 5-inch pots, 10c; extra from 6-inch, 18c. Ampelopsis Veitchii, fine, from 5-inch, 15c; 4-inch, 10c; from 3-inch, 8c. Also fine young stock, this season's propagation—Large flowered Clematis, 2½-inch, 6c. Clematis Paniculata, 3c. Amp. Veitchii, 3c. Rooted cuttings, Hydrangea P. G., 2c. Weigelia Rosea and variegated, 2c. Japan Goldleaf Honeysuckle, 2c. Packed free for cash.

W. H. SALTER, ROCHESTER, N. Y.

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Don't Miss This

If you wish to secure stock of the following superb bedders: S. A. Nutt (crimson), Alph. Ricard (scarlet), E. G. Hill, Beaute Poitevine (salmons), Jean Viaud (pink), Mrs. E. Buchner (white). Strong plants from 2½-inch pots at rooted cuttings' prices — \$1.50 per 100; \$15.00 per 1000. Smilax, strong 2½-inch plants, \$1.25 per 100; \$10.00 per 1000.

NOTICE—This stock is guaranteed strictly first-class in every respect and WORTH TWICE THE MONEY.

THE W. T. BUCKLEY PLANT CO.
SPRINGFIELD, ILL.

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Florists' Review

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E. H. HUNT

THE "OLD RELIABLE" FOR

Wholesale
Cut Flowers

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

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Bassett & Washburn**76 Wabash Ave., CHICAGO, ILL.****WHOLESALE GROWERS OF**
AND DEALERS IN CUT FLOWERS

Greenhouses at Hinsdale, Ill.

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A. L. RANDALL,
Wholesale FloristDon't forget we are at
19 and 21 RANDOLPH ST., CHICAGO.

Write for special quotations on large orders.

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J. A. BUDLONG**37-39 Randolph Street CHICAGO.****Roses and**
Carnations
A Specialty.....**WHOLESALE**
GROWER OF**CUT FLOWERS****WIETOR BROS.****Wholesale**
Growers of.. Cut FlowersAll telegraph and telephone orders
given prompt attention.**51 Wabash Avenue, CHICAGO.****WEILAND - AND - RISCH****CHICAGO'S RELIABLE WHOLESALE**
GROWERS AND SHIPPERS OF...**CUT FLOWERS,****59 Wabash Avenue, CHICAGO.**

SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS**Poehlmann Bros.**
Wholesale
Growers of
and Dealers in Cut Flowers.All telegraph and telephone orders given prompt
attention. Greenhouses: Morton Grove, Ill.**35-37 Randolph Street, CHICAGO, ILL.**

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PETER REINBERG,**Grower and Wholesaler of Cut Flowers****800,000 SQUARE FEET OF GLASS.**
Headquarters for American Beauty.**51 Wabash Ave. CHICAGO, ILL.****JOHN MUNO,****WHOLESALE**
GROWER OF Cut Flowers.**51 Wabash Avenue, - - CHICAGO.****GREENHOUSES, ROGERS PARK, ILL.**
Telephone Central 3586.**SINNER BROS.****Wholesale Growers CUT FLOWERS**
and Shippers of
58-60 WABASH AVE., CHICAGO, ILL.With the Flower Telephone—
Growers' Co. Central 3067.
All telephone and telegraph orders
given prompt attention.

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FRANK GARLAND,**Wholesale**
Grower of Cut Flowers,**Special attention**
given to Hardy Out FERNs.**55-57 Wabash Avenue, CHICAGO, ILL.****Telephone Central 3284.**

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GEORGE REINBERG,**51 Wabash Ave., Chicago,****WHOLESALE DEALER IN AND**
.....GROWER OF CUT FLOWERSTwo Daily Shipments from my greenhouses.
Fresh Stock always ready for orders.
Write, Wire or Phone. Quick Service Given.

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Lily of the Valley**H. N. BRUNS,****1409 W. Madison St., CHICAGO.**

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Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.50; 50,000...\$6.25. Sample free.

For sale by dealers.

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BENTHEY & CO.**35 Randolph Street, CHICAGO.****F. F. BENTHEY, Manager.**

Consignments Solicited.

Wholesale and

Commission

FLORISTS

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MICHIGAN CUT FLOWER EXCHANGE.

WHOLESALE FLORISTS AND CUT FLOWER COMMISSION.

Full line of FLORISTS' SUPPLIES and SUNDRIES.

WM. DILGER,
Manager.

COMMON FERNS, \$1.00 per 1000.
GALAX, Bronze or Green, 1.25 " 26 Miami Ave., Detroit, Mich.

Wholesale Cut Flower Prices.

St. Louis, Aug. 5.

	Per doz.
Beauties, Specials.....	\$2.00 to \$3.00
Extra.....	1.00 to 1.50
Shorts.....	.60 to .75
Brides and Maids, Specials.....	\$4.00 to \$5.00
No. 1.....	2.00 to 3.00
Carnot.....	3.00 to 5.00
Golden Gates.....	3.00 to 5.00
Kaiserin.....	4.00 to 5.00
Liberty.....	3.00 to 4.00
Meteor.....	3.00 to 4.00
Perle.....	2.00 to 3.00
Sunrise.....	2.00 to 3.00
Carnations, Commons.....	.60 to 1.00
Selects.....	1.50 to 2.00
Adiantum Cuneatum.....	1.00 to 1.25
Adiantum Farleyense.....	1.00 to 1.25
Asparagus plumosus, Strings.....	35.00 to 50.00
Sprays.....	1.00 to 1.50
Sprengerl.....	1.00 to 1.50
Asters.....	.75 to 2.00
Gladioli.....	3.00 to 4.00
Lily of the Valley.....	3.00 to 4.00
Smilax.....	12.50 to 15.00
Tuberose.....	3.00 to 4.00
Galax.....	.15
Common Ferns.....	.15

Boston, Aug. 5.

	Per 100.
Beauties, Specials.....	\$20.00
Extra.....	\$12.00 to 15.00
No. 1.....	8.00 to 10.00
Shorts.....	2.00 to 6.00
Brides and Bridesmaids, Specials.....	6.00 to 8.00
Extra.....	4.00
No. 1.....	2.00
No. 2.....	1.00
Carnot.....	2.00 to 10.00
Kaiserin.....	2.00 to 12.00
Liberty.....	2.00 to 12.00
Carnations, Common.....	1.00
Selects.....	2.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, Strings.....	50.00
Sprays.....	1.00 to 2.00
Sprengerl, Sprays.....	2.00 to 3.00
Asters.....	.50 to 1.00
Gladioli.....	4.00 to 6.00
Lilium Auratum.....	8.00
Lily of the Valley.....	3.00 to 5.00
Mignonette, Ordinary.....	1.00
Smilax.....	12.00
Sweet Peas.....	.10 to .15
Tuberose.....	4.00
Galax.....	.15
Common Ferns.....	.15

Beach the Florist Leads Why not buy Direct

Perle, Meteors, Maids, Brides and Gates, on own roots, this year's stock at 6c and 8c a piece. Orders taken for Carnations; state your wants by application.

10,000 Geraniums, all kinds and colors, 5c straight	
500 Vincas.....	5c
1000 E. Ivy.....	10c
500 Cannas.....	6c
200 Caladiums.....	8c
1000 Fuchsias.....	8c

Leading Mums, in pots or out.....\$5.00 per 100
Two Windmills, Corcoran make, 12 ft. and 16 ft., mostly new. 600-bbl. Cedar Tank, one No. 15 Hitchings' Boiler and 300 ft. of 1½ and 2-in. pipe, ready to set up. Correspondence solicited.

Country Printing Press, prints 2 sheets, large size, weight 2 tons, power by hand or electricity.

David S. Beach, Box 253, Bridgeport, Conn.

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.
Manufacturers of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

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Mention The Review when you write

H.G. Berning
WHOLESALE FLORIST,
1322 Pine Street,
ST. LOUIS, MO.

HOLTON & HUNKEL CO.
WHOLESALE FLORISTS.

MILWAUKEE, - WIS.

Wm. Murphy,

Grower and Commission Dealer in.....

Cut Flowers and Florists' Supplies,

Telephone Main 980.

130 E. 3d Street, CINCINNATI, OHIO.

J. M. McCULLOUGH'S SONS,
Seedsman and Wholesale Florists.

Consignments solicited. Special attention given to shipping orders.

316 Walnut Street, CINCINNATI, OHIO.

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Lily of the Valley

of good quality always on hand.

AUGUST JURGENS,

134 to 144 Herndon St., CHICAGO.

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GRAND RAPIDS VIOLET STOCK.

Imperial, M. Louise and Campbell, 3-in. pots, \$4.00 per 100; \$35.00 per 1000. Campbell, 2½-in. pots, \$20.00 per 1000

Chrysanthemums, \$20.00 per 1000.

Roses, Ivory, 3-in., fine, \$1.00 per 100.

Smilax, \$20.00 per 1000.

Crabb & Hunter, Grand Rapids, Mich.

Mention the Review when you write.

Wholesale Cut Flower Prices.

Detroit, Aug. 5.

	Per 100
Beauties, Specials.....	\$25.00
Extra.....	20.00
No. 1.....	15.00
Shorts.....	\$5.00 to 10.00
Brides and Maids, Specials.....	3.00 to 5.00
Cusin.....	3.00 to 5.00
Golden Gate.....	3.00 to 5.00
Meteors.....	3.00 to 5.00
Mrs. Morgan.....	3.00 to 5.00
Cattleyas.....	50.00
Cypripediums.....	25.00
Carnations, Common.....	1.00 to 1.50
Adiantum Cuneatum.....	1.00
Asparagus plumosus, Strings.....	40.00 to 50.00
Sprengerl, Sprays.....	2.00 to 6.00
Asters.....	.50 to 1.00
Gladioli.....	2.00 to 4.00
Lily of the Valley.....	4.00 to 5.00
Mignonette, Ordinary.....	1.00
Fancy.....	2.00
Smilax.....	12.50 to 15.00
Stocks.....	2.00 to 3.00
Sweet Peas.....	.20
Tuberose.....	1.00
Galax.....	.15
Common Ferns.....	.10

Baltimore, Aug. 5.

	Per 100
Brides and Maids, No. 1.....	\$2.00 to \$3.00
Golden Gate.....	2.00 to 4.00
Kaiserin.....	2.00 to 4.00
Perle.....	2.00 to 3.00
Carnations, Commons.....	.50 to .75
Adiantum Cuneatum.....	1.00
Asparagus plumosus, Sprays.....	1.50 to 2.00
Sprengerl, Sprays.....	1.50 to 2.00
Gladioli.....	3.00 to 4.00
Sweet Peas.....	.10 to .25

WELL GROWN
Sprengerl Plants.

For 3-in. pots.....\$2.50 per 100; \$20.00 per 1000
Seedlings......75 5.00

SAMUEL S. PENNOCK,

1612 Ludlow Street,

Philadelphia, Pa.

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CHRYSANTHEMUMS

Strong young plants in 2 and 2½-inch pots: Col. Appleton, Jerome Jones and Merry Xmas, \$3.00 per 100.

ASPARAGUS

Plumosus and Sprengerl, strong plants from 2½-inch pots, \$3.00 per 100; \$25.00 per 1000.

Asparagus Plumosus, 500 strong plants from bench, \$10.00 per 100.

ENGLISH IVY, strong plants from 3-inch pots, \$5.00 per 100.

30,000 field-grown CARNATION PLANTS, prices and varieties on application.

I. H. MOSS, Govanstown, Baltimore, Md.

Mention Review when you write.

FRANK M. ELLIS, Wholesale Florist, St. Louis, Mo.
1316 Pine Street,

PLENTY OF STOCK IN ALL FLOWERS IN SEASON.

A COMPLETE LINE OF FLORISTS' SUPPLIES.

LEADING RETAIL FLORISTS.

The following retail florists are prepared to fill orders from other florists for local delivery on the usual basis. If you wish to be represented under this heading now is the time to place your order.

ALEXANDER McCONNELL, 546 Fifth Avenue,
Cor. 45th St., N.W.
New York City.

Telegraphic orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.
Cable Address: **ALEXCONNELL.** Telephone Calls: 340 and 341 38th Street.
WESTERN UNION CODE.

ORDERS FOR....

CHICAGO

WILL BE FILLED BY
P. J. HAUSWIRTH,
227 Michigan Ave.
Auditorium Annex. Telephone Harrison 585.

David Clarke's Sons
2139-2141 Broadway,
Tel. 192 Riverside,

New York City.

Out-of-town orders for delivery in New York carefully and promptly filled at reasonable prices.

M.A. Rowe

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Kentias, Latanias, Livistonas, Arecas, Phoenix, Rhaps, Dracaenas, Crotons, Boston Ferns, etc.

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1-in. diameter.....2.50 " 20.00 "

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Chinese, 2-in. pots.....\$2.00 per 100
Obconica, alba and rosea.....2.00 "
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Fancy Seed, Ne plus ultra, August. 4.00 per oz.
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Narcissus, paper white grandifl., Sept. 1.....1.00 "

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Small 3 to 4 frond plants \$10 per 100, \$80 per 1000. Beautiful plants cut from bench at \$35, \$50 and \$75 per 100. Pot plants, 3-in., \$20 per 100; 6-in. \$1, 7-in. \$2, 8-in. \$3 each. 10,000 KENTIA PALMS.

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Asparagus Sprenger, 2-inch, \$2.00 per 100
Beauties, 3-inch.....5.00 "
Brides and Maids, 3-inch... 4.00 "

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Grand stock. Send for particulars.

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2-inch pots, two tiers, \$16.00 per 100.

Araucaria Imbricata

2 1/2-inch pots, strong plants, \$10 per 100.

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6-inch circumference.....\$5.00 \$45.00
5 ".....4.50 40.00
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Narcissus—Paper White, extra size 1.00 7.50
large size .75 5.00
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Large......35 2.50
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Primula Forbesi—Baby primroses, 2 1/4-in., \$1.50 per 100; 400 for \$5.00.

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Abutilons in variety, 2½-in., \$2.50 100; \$20.00 1000. R. Vincent, Jr., & Son, White Marsh, Md.

ACALYPHAS.

Acalypha Macafeana, \$3.50 100. R. Vincent, Jr. & Son, White Marsh, Md.

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Ampelopsis Veitchii, good plants, 2½-in. pots, \$3.00 per 100.

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Araucaria excelsa, raised in Belgium from top cuttings only.

	Tiers.	High.	Each.
5½-in. pots	3 to 4	10 to 12 in.	50c
5½-in. pots	3 to 4	10 to 12 in.	60c
5½-in. pots	3 to 4	13 to 15 in.	75c
6-in. pots, 4 to 5 tiers, 16 to 19 inches high,			80c, 90c and \$1.00 each.

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Araucaria excelsa, 2 to 3 tiers, \$5.25 per doz.; 3 to 4 tiers, \$7.50 per doz.

THE CONARD & JONES CO., West Grove, Pa.

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Biota aurea nana, 12-15 in. high, very compact, \$20.00 100; 18-24 in. high, very compact, \$40.00 100. Not less than 40 of a sort at 100 rates. P. J. BERCKMANS CO., Augusta, Ga.

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300 Asparagus plumosus, 3-yr.-old roots, right for ground bed for growing strings, \$3.00 per 100 to close out. They are strong and healthy. Cash with order. H. P. Owens, Central Valley Greenhouses, Toughkenamon, Pa.

Asparagus Sprengerii our specialty. All strong plants. Per 100: 2½-in., \$3.00; 3-in., \$4.00; 4-in., \$8.00; 5-in., \$15.00; 6-in., \$30.00. Special price on large lots.

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Asparagus Sprengerii and plumosus, strong plants, 2½-in., \$3.00 100, \$25.00 1000. 500 strong A. plumosus plants from bench, \$10.00 100.

ISAAC H. MOSS, Govanstown, Baltimore, Md.

Asparagus Sprengerii, from flats, \$1.00 100, \$6.00 1000; 5000 for \$25.00; 2½-in., \$1.50 100, \$12.50 1000. A. plumosus nanus, 2½-in., \$4.00 100.

S. Whitton, 15 Gray Ave., Utica, N. Y.

Asparagus plumosus, 2-in., ready for 3-in., \$3.00 100. A. Sprengerii, 2-in., \$2.00 100; 4-in., extra fine, \$6.00 10; 5-in., very large and fine, \$10.00 100.

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Asparagus plumosus nanus, strong 2½-in., \$3.00 100; \$25.00 1000. A. Sprengerii, \$2.00 100; \$15.00 1000. Cash, please.

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A. plumosus, 3-in., \$5.00; 4-in., \$8.00 100. Sprengerii, 2-in., \$2.00; 3-in., \$5.00; 4-in., \$7.00 100. A. G. Fehr, Belleville, Ill.

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Asparagus Sprengerii seedlings, extra strong, 75c per 100; 2-in. pots, \$1.50 per 100.

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Fine plants of Asparagus Sprengerii; 2000 plants, 3-in. pots, \$3.50 per 100.

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Asparagus Sprengerii, extra good for 6 and 8-in. pots, \$25.00 to \$35.00 100.

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Asparagus Sprengerii, 2-in., \$2.00 100. A. plumosus, 2½-in., \$3.50 100.

STORRS & HARRISON CO., Painesville, O.

Asparagus Sprengerii and plumosus, extra strong, 2-in., \$30.00 1000.

C. BETSCHER, Canal Dover, O.

Asparagus Sprengerii, 2, 3 and 4-in. Plumosus, 2, 2½, 3, 4 and 5-in.

Geo. A. Kuhl, Pekin, Ill.

Asparagus plumosus, 3-in., at the rate of \$10.00 per 100.

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Cut strings, 50 cents each.

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Aspidistra, green, 4-in., \$25.00 100.

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Asters, from 3-in. pots, 3c each. Cash. M. F. LA ROCHE, Collingdale, Pa.

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Bay Trees. Have just received a fine lot of standards and pyramids.

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Among our specialties, bay trees, boxwood, palms, evergreens, etc.

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Begonia Gloire de Lorraine, 2½-in. pots, \$15.00 per 100. Write for prices on large lots. Stock guaranteed absolutely free from disease.

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Rex begonias, a number of the best varieties, 2-in., \$4.00 100. Begonia aurea manicata, 2-in., \$4.00 100.

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Begonia Vernon, strong plants from flats, showing bud, \$1.00 and \$1.50 per 100.

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Begonia Gloire de Lorraine, strong 2-in., \$15.00 100, \$140.00 1000.

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Mixed begonias, from 2½-in. pots, 3c each. Cash.

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Jerusalem cherry, from 2½-in. pots, 2½c each. Celestial peppers, 3-in., 5c each. Cash.

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Christmas peppers and Jerusalem cherries. Have fine lot of plants, 2½-in. pots, at \$2.50 100.

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	12.	100.	1000.
Freesia refracta alba, ¾-in.	\$0.15	\$0.45	\$3.50
¾-in.	.20	.65	5.00
¾-in.	.25	1.00	7.50
Monsters.	.30	1.50	10.00

	12.	100.	1000.
Calla ethiopica, white, 1½ to 1¾-inch diameter	\$0.65	\$4.50	\$40.00
1½ to 2-inch diameter	.85	5.50	50.00
2 to 2½-inch diameter	1.50	8.00	75.00

Prices for freesias and callas include delivery by express or freight.

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6x7, f. o. b. New York	.65	4.25	40.00
7x9, f. o. b. New York	1.00	8.00	72.00
9x11, f. o. b. New York	2.00	15.00	

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Freesia bulbs, extra selected, 50c 100, \$4.00 1000; large, 35c 100, \$2.50 1000. Amaryllis Beladonna, ready to bloom, \$1.00 doz., \$8.00 100.

Narcissus paper white, extra size, \$1.00 100, \$7.50 1000; large size, 75c 100, \$5.00 1000.

Calla lilies, 6-in. circ., \$5.00 100, \$45.00 1000;

5-in., \$4.50 100, \$40.00 1000; 4-in., \$4.00 100,

\$35.00 1000; 2½ to 3-in., \$2.50 100; \$22.50 1000.

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200 caladiums, 8c each. David S. Beach, Bridgeport, Conn.

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	100.	1000.	100.	1000.
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G. Angel	4.00	35.00	Hill	5.00 40.00
Joost	3.00	25.00	Q. Louise	5.00 40.00
Lord	3.00	25.00	Mrs. Ine	4.00 35.00
Triumph	4.00	35.00	Norway	5.00 40.00
Higinbotham	5.00	40.00	W. Cloud	5.00 40.00
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The best field-grown stock. Every one a choice selected plant.

	100.	1000.	100.	1000.
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Higinbotham	5.00		Joost	4.00 30.00
Crane	5.00	40.00	America	4.00 30.00
Hill	5.00	40.00	Jubilee	4.00 30.00
W. Cloud	5.00	40.00	Crocker	4.00 30.00

Order quickly. Plants reserved for later shipment if desired. Terms cash.

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Forest City Greenhouses.

Fine, bushy field-grown carnations. No stem rot. Lawson, Dorothy, Marquis, Crane, White Cloud, \$5.00 100; Mary Wood, Morning Glory, Maceo, \$4.00 per 100.

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Extra fine, healthy field-grown carnations, ready to plant. Lawson, Prosperity, Crane, Lorna, Angel, W. Cloud, Bradt, Marquis, \$6.00 100.

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Golden Beauty, yellow	6.00
Cressbrook, pink	6.00	50.00
Gaiety, variegated	5.00	40.00
Enquirer, pink	5.00	40.00
Lawson, cerise	6.00	50.00
Prosperity, variegated	5.00	40.00
Norway, white	5.00	40.00
America, scarlet	4.00	30.00
Chicot, white	4.00	30.00
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30,000 field-grown carnation plants. Prices and varieties upon application. Isaac H. Moss, Govanstown, Baltimore, Md.

Satisfaction guaranteed. Field-grown Foster and Joost, \$5.00 a 100.

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Polly Rose, R. O.....	1.50	2-in., 2.00
Halliday, R. O.....	1.50	2-in., 2.00
Robinson, R. O.....	1.50	2-in., 2.00
Bonnafton, R. O.....	1.50	2-in., 2.00
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Chrysanthemums. Good commercial varieties, 2½-in., \$25.00 1000; rooted cuttings, \$12.00 1000, our selection. Rooted cuttings of Yellow Eaton, Liger, Richardson, \$15.00 100; Chautauqua Gold, \$5.00 100; Estelle, \$3.00 100. Special discount on large orders.

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Chrysanthemums. White and Yellow Jones. Mrs. Murdock, Henderson, Bonnafton, Lavender Queen, Appleton, Merry Christmas, Niveus, 2½-in. pots, clean, fresh stock, \$2.50 100; \$20.00 1000.

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300 Bonnafton, 285 Appleton, 150 Wansmaker, 100 Jones, 430 Eaton, 170 Lager, 100 Maud Dean, strong plants, \$2.00 per 100. Cash with order.

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Col. Appleton, Jerome Jones and Merry Xmas chrysanthemums, strong young plants, 2 and 2½-in., \$3.00 100.

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W. H. Salter, Rochester, N. Y.

GOLDEN GATE roses, thrifty plants from 2½-in. pots, \$2.00 100; \$17.50 1000.

WM. B. SANDS, Lake Roland, Baltimore, Md.

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Roses. Maids, 2½-in., \$22.50 per 1000. Woot-tous, \$3.00 and \$5.00 per 100.
J. H. Bornhoeft, Tipton, Ind.

Ivory, Bride, Maid and Sunrise roses too cheap to quote here. Write for prices.
W. W. COLES, Kokomo, Ind.

Roses, all the best varieties in 2, 2½, 3 and 4-in. Elegant stock. Write
GEO. A. KUHL, Pekin, Ill.

Maids and Meteora, 4-in., \$6.00 100. Perles and Beauties, 3-in., \$5.00 100.
Pittsburg Rose & Carnation Co., Gibsonia, Pa.

BRIDE and MAID roses, 2½-inch pots, \$4.00 per 100; \$35.00 per 1000.
W. H. ELLIOTT, Brighton, Mass.

200 fine 4-in. Ivory, 200 fine 4-in. Golden Gate, at \$5.00 per 100.
JOSEPH BANCROFT & SON, Cedar Falls, Ia.

Surplus roses, 300 Brides, 300 Maids, 100 Gates, 3-in., \$2.50 100.
I. L. Pillsbury, Galesburg, Ill.

Maid, Perle, Meteor, Ivory and Gate roses, fine 3-in., \$4.00 per 100.
C. C. POLLWORTH CO., Milwaukee, Wis.

American Beauty plants, choice 4-in. stock, \$5.00 per 100.
Bassett & Washburn, 76 Wabash Ave., Chicago.

Bridesmaid roses, 3-in. pots, good stock, \$3.00 per 100.
JOSEPH BRADBURY, South Orange, N. J.

Extra choice Bridesmaids, 3-in., \$30.00 1000.
INDIANAPOLIS FLOWER & PLANT CO., Indianapolis, Ind.

500 Golden Gate roses from 3-in. pots, just right to plant.
C. L. Reese, Springfield, O.

Beauties, 3-in., \$5.00; Brides, Maids, 3-in., \$4.00 100. John Brod, Niles Center, Ill.

Ivory roses, 3-in., fine, \$4.00 per doz.
Crabb & Hunter, Grand Rapids, Mich.

Manetti stock for fall delivery.
HIRAM T. JONES, Elizabeth, N. J.

RUBBERS.

Orders for my 3-in. RUBBERS will be taken now for August delivery. Be quick if you wish some of this extra fine stock. Can fill no orders now—stock all sold.
A. C. OELSCHIG, Savannah, Ga.

Ficus elastica, rooted cuttings, \$15.00 per 100; 4-inch, \$22.00 per 100; 6-inch pots, 3 feet high, \$40.00 per 100. Cash.
WM. C. SMITH, 61st and Market Sts., Philadelphia, Pa.

Ficus elastica, imported, 4-in., 25c each.
Godfrey Aschmann, 1012 Ontario St., Phila.

SAXIFRAGAS.

Saxifraga sarmentosa, extra strong R. C., \$1.50 per 100, 85c doz. Postpaid.
GEM NURSERY, Los Gatos, Cal.

The CHEAPEST way, the EASIEST way, and the BEST way to get rid of that surplus stock is to use the REVIEW'S classified advs.

SEEDS.

New crop smilax seed, pkt., 10c; oz., 25c; lb., \$2.50. Shasta daisy, 25c 100; \$2.00 1000. A. Sprenger, fresh crop, 20c 100; \$1.00 1000. A. decumbens, \$1.00 100; \$7.50 1000. P. canariensis, true, 30c 100; \$2.50 1000. P. reclinata, true, 40c 100; \$3.00 1000. Primula sinensis fimbriata, in pure white, blood red, crimson, rose, white with yellow eye, blue, 25c 100; \$1.75 1000. All colors mixed, 20c 100; \$1.50 1000. Cineraria hyb. max. and dwf., pkt., 25c; 5 pkts., \$1.00. Calceolaria hyb., tigered and spotted, pkt., 25c; 5 pkts., \$1.00. Pansy, the finest prize strains. Berger's Never-fail mixture, all sorts, all colors, 1000 seeds, 25c; 5000 seeds, \$1.00; oz., \$3.00.
H. H. BERGER & CO., 47 Barclay St., N. Y.

New crop, home raised, very choice seeds. WALLFLOWERS, 6 shades, mixed. HOLLY-HOCKS, double or single, 9 colors and shades, white to garnet, mixed or 5 colors separate. SCABIOSA, white, pink, garnet, mixed or garnet separate. MARIGOLDS mixed. FRENCH DOUBLE MARIGOLDS, mixed. SWEET PEAS, white, pink, red, yellow and lavender, mixed or separate. SWEET ALYSSUM, white. MORNING GLORIES, extra fine, mixed. ALL KINDS VEGETABLE SEEDS. Very large trade pkts., 5c, 15c, 25c postpaid. 5 pkts. choice seed with each \$1.00 order.
GEM NURSERY, Los Gatos, Cal.

XXX SEEDS. Chinese primrose, large-flowering, fringed, single and double; 15 varieties, mixed, 500 seeds, \$1.00; half pkt., 50c. Cinerarias, large-flowering, dwarf, mixed, 1000 seeds, 50c. Primula obconica grand., large-flowering, 1000 seeds, 50c. Daisy, double giant, white and rose, mixed, 1000 seeds 25c. Giant pansy seed, large-flowering, critically selected, 500 \$1.00; half pkt., 50c. 500 seeds of giant Mme. Perret added to every \$1.00 pkt. of giant pansy seed.
JOHN F. RUPP, Shiremanstown, Pa.

Rawson's Arlington tested seeds for florists. Catalogue free.
W. W. RAWSON & CO., Boston, Mass.

Smilax seed, new crop, \$1.50 per lb. Cash with order. Cottage Nursery, San Diego, Cal.

WINTER FLOWERING sweet pea seed, for forcing only—Zvolanek's Christmas, pink, and Florence Denzer, pure white. Stock seed of these varieties is carefully selected in my greenhouses from stems over 14 inches long. Seed sown first of Sept. will bloom for Christmas. Sown in Dec., after the late mums, will bloom in Feb. New crop seed ready by the middle of Aug. at 75c pkt., \$2.00 lb. Orders booked and filled in rotation.
ANT. O. ZVOLANEK, Grand View N. J.

PANSY, Mme. Perret, the Gold Medal pansy; Trimardeau, giant yellow and fine mixed, Mme. Cecile Davy and Marguerite, Parisian, Beaconsfield, Falaise. Special mixture for florists. Send for testimonials and prices.

SPECIAL. For short time only. Anyone ordering a copy of Ward's "The American Carnation" at \$3.50, through me, will receive ¼ oz. of Mme. Perret Pansy Seed (value \$1.25) free.
H. BEAULIEU, Woodhaven, N. Y.

New crop CYCLAMEN PERSICUM GIGANTEUM seed just arrived. We can furnish it in pure white, rose, blood red and white with carmine eye, at 75c per 100 seeds, \$6.00 per 1000; finest mixed colors, 60c per 100 seeds, \$5.00 per 1000. 250 seeds or more at 1000 rate. For other seasonable flower seeds and bulbs see our current wholesale list.
H. A. DREER, 716 Chestnut St., Philadelphia.

XXX PANSY SEED. If you want the finest large and fragrant pansy flowers try Woodbury's noted seeds. Seven pkts. (700 seeds) fine assorted, 50c. Finest German and Giant flowers, French strain, blended or either separate, 2000 seeds, 50c; ¼-oz., \$1.00; oz., \$4.00. List free.
DAVID B. WOODBURY, S. Paris, Me.

Palm seeds, just arrived from Australia: Areca Baueri, 25c 100; \$2.00 1000 seeds. Kentia Belmoreana and Forsteriana, 35c 100; \$2.50 1000 seeds. Pritchardia Seamanii, \$4.50 100 seeds. Erythea edulis, 75c 100; \$6.00 1000 seeds.
F. LUDEMANN, 3041 Baker St., San Francisco, Cal.

New crop pansy seed of the famous JENNINGS' strain now ready. Large-flowering, finest colors in great variety. By mail, 3000 seeds, \$1.00; ¼ pkt., 50c; 1 oz., \$5.00. Separate colors in blue, black, red, white and yellow, 50c pkt. Cash.
E. B. JENNINGS, Box 254, Southport, Conn.

PANSY SEED. New crop now ready; my own saving; large flowering; every conceivable shade, color and marking; pkt. 25c, ¼-oz. \$1.00, oz. \$3.00. Also at wholesale.
Mr. B. O'Neill, florist, Elgin, Ill., writes: "The best mixture of Pansies I ever had."

FRANCIS BRILL, Hempstead, L. I., N. Y.

MANICOPA RUBBER TREE SEEDS. (Ficus elastica.)

Limited shipment just received from Brazil—5 lbs., \$1.50 per lb.; 25 lbs., \$1.35 per lb. About 1000 seeds to lb.

CHAS. W. JACOB & ALLISON, Raffles Importers, 18 Cedar St., New York.

Zirngiebel's giant pansies, Market and Fancy strains, are the finest grade this season that we ever sent out, when large size and colors are wanted.

New crop seed ready now. Trade pkt., of either strain, \$1.00 each.

DENYS ZIRNGIEBEL, Needham, Mass.

Pansy seed, crop of 1903. BARNARD'S FLORISTS' MIXTURE is high grade, up-to-date and will give you pansies that will sell. Trade pkt., 25c; ¼-oz., \$1.00; ½-oz., \$3.75; oz., \$7.00. Giant Mixture, trade pkt., 25c; ¼-oz., 50c; oz., \$4.00.
W. W. BARNARD & CO., 161 Kinzie St., Chicago.

FOTTLER'S ECLIPSE MIGNONETTE, finest strain ever offered. Greenhouse-grown seed in trade pkts. of about 2000 seeds, \$1.00. PANSY, special strain for florists, 50c trade pkt.; \$5.00 oz. Send for our trade catalogue.
SCHLEGEL & FOTTLER CO., Boston, Mass.

Cineraria seed, large-flowering and large-flowering dwarf, splendid mixture, 50c and \$1.00 per pkt. Chinese primula, fringed, separate or mixed, 50c pkt. Pansy, superb mixture, unexcelled strain, ¼-oz., 75c; \$5.00 oz.
W. C. BECKERT, Allegheny, Pa.

Sow now—Johnson & Stokes' TESTED FLOWER SEEDS.

For list of varieties and prices see displayed advertisement in this issue.

JOHNSON & STOKES, 217-219 Market St., Philadelphia, Pa.

Cyclamen persicum grandiflorum, Primula obconica grandiflora and Primula sinensis, all fine pedigreed strains, \$1.00 per trade pkt.
WM. F. KASTING, Buffalo, N. Y.

Allen's Defiance mignonette seed, grown inside, selected stock. Trade packet, \$1.00.
JOEL G. HAYDEN, Floral Park, N. Y.

New crop seed of THORBURN'S superb pansy and Mme. Perret pansy now ready.
J. M. THORBURN & CO., 38 Cortlandt St., N. Y.

Pansy seed, New York Market strain, extra selected, \$2.50 per oz.
H. KUHNERT & SON, Hackensack, N. J.

Pansy seed, Ne plus ultra, ready in August, \$4.00 oz.
Jos. H. Cunningham, Delaware, O.

Shasta daisy seed, trade pkt., 15c.
S. J. Galloway, Eaton, Ohio.

Wholesale price list of seeds for florists and market gardeners.

W. Atlee Burpee & Co., Philadelphia, Pa.

SMILAX.

Smilax, strong plants from 2½-in. pots, twice cut back, ready for planting, \$2.25 100; \$20.00 1000. Cash with order.

MADSEN & CHRISTENSEN, 170 Bidwell Ave., Jersey City, N. J.

Smilax, 2-in., strong, twice cut back, \$2.50 100. From flats, transplanted and cut back as good as most 2-in., \$1.50 100.

N. P. COLBERG, Morris, Ill.

Smilax, 3000 strong 2½-in. pots, \$2.00 per 100, \$17.50 per 1000. Cash with order. H. P. Owen, Central Valley Greenhouses, Toughkenamon, Pa.

Smilax, strong 2½-in., \$2.00 100, \$15.00 1000. 50 at 100 rate. Cash with order.
The Haskell Ave. Floral Co., Dallas, Tex.

Smilax, 2½-in., extra strong, cut back, \$2.00 100; 2-in., fine, \$1.50 100.
Geo. M. Brinkerhoff, Springfield, Ill.

Smilax, fine plants from 2-in. pots, \$2.00 per 100. Cash with order.
WM. KEIR, Pikesville, Md.

Smilax, strong, out of 3-in. pots, ready for planting, \$4.00 100.
Chas. Krombach, 181 25th St., Brooklyn, N. Y.

Smilax, strong 3-in., \$3.00 per 100. Cash or C. O. D.

WM. SWAYNE, Box 226, Kennett Square, Pa.

1000 nice, 2-in. smilax, at \$1.00 per 100 to clear. Joseph Bancroft & Son, Cedar Falls, Ia.

Smilax, 2-in., strong, cut back, \$9.00 1000; \$1.00 100. Cash. R. Kilbourn, Clinton, N. Y.

Smilax, strong 2½-in., \$1.25 100; \$10.00 1000.
Buckley Plant Co., Springfield, Ill.

Smilax, 2½-in., \$1.75 per 100. Cash, please.
Burnell & Totman, Randolph, Vt.

2000 extra fine 3-in. smilax, \$2.50 100.
N. METZ, Dayton, Ohio.

Smilax seedlings, 50 cents per 100.
S. S. Pennock, 1612 Ludlow St., Philadelphia.

Smilax, extra strong, \$2.00 per 100.
The Stafford Greenhouses, Marquette, Mich.

Smilax, strong 2-in. \$1.25 per 100.
John Brod, Niles Center, Ill.

Smilax, \$20.00 per 1000.
Crabb & Hunter, Grand Rapids, Mich.

Smilax, \$2.00 100.
R. Vincent, Jr. & Son, White Marsh, Md.

STEVIAS.

Stevia, dwf. or tall, from 3-in. pots, 3c each. Variegated, 5c each. Cash.
M. F. LaRoche, Collingdale, Pa.

Stevia, 2-in., \$22.00 1000; 3½-in., \$35.00 1000; rooted cuttings, \$12.00 1000.
Poehlmann Bros. Co., Morton Grove, Ill.

STRAWBERRY PLANTS.

75,000 pot-grown strawberry plants. If planted now will produce a full crop of large, luscious strawberries in 1904. We have these in stock in fifteen of the best varieties. Submit your list of wants for special low quotations.
T. J. DWYER & SON, Box 20, Cornwall, N. Y.

I have the finest line of POT-GROWN strawberry plants in the East; 15 of the best varieties, and the prices are right. Send for my list.
WILFRID WHEELER, Concord, Mass.

SWAINSONAS.

Swainsona alba, 2½-in., \$2.00 100.
R. Vincent, Jr. & Son, White Marsh, Md.

The Florists' Manual, by William Scott, is a whole Library on Commercial Floriculture.

SULTANAS.

White sultana, Platyapetala, flowers large, pure white, with red dot in the center. Now is the time to stock up for the coming season. IT SELLS. Strong plants, \$1.00 per doz.
N. O. CASWELL, Delavan, Ill.

UMBRELLA PLANTS.

Umbrella plants, 2-in. strong, selected, \$2.00 100; 6-in., 20c each; seed pkt., 25c. Cash.
Mayer & Son, Willow Street, Lancaster Co., Pa.

Umbrella plants, 2½-in., \$3.00 100.
Nathan Smith & Son, Adrian, Mich.

VEGETABLE PLANTS.

CABBAGE—Early and Late Flat Dutch, Savoy and other varieties, 25c per 100; \$1.00 per 1000.

CELERY—White Plume, Golden Heart, Giant Pascal and other varieties, 25c per 100; \$1.00 per 1000; \$8.50 per 10,000.

TOMATO—25c per 100; \$1.00 per 1000.

PARSLEY—25c per 100; \$1.25 per 1000.

Cash with order.

See our flower plant adv. in this issue.
R. VINCENT, JR. & SON, White Marsh, Md.

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VEGETABLE PLANTS—Continued.

Celery plants, very strong. White Plume, Giant Pascal, Perfection and Golden Heart, \$1.00 1000; \$8.50 10,000. Same var. transplanted, \$2.00 1000. 200 bu. top onion sets; hardy, planted in Aug. and Sept. will produce eatable green onions on unprotected field in March and April next, \$1.00 per bu. Cash with order.

LUDWIG MOSBAEK, 85th St., nr. So. Chicago Ave., Chicago, Ill.

Celery plants for everybody. Transplanted, stocky plants. Far superior to those usually sold. Golden Self Branching, White Plume, Giant Pascal, Fin de Siecle, Schumacher, Perfection Heartwell, Erfurt Celeriac. Per 1000, \$2.50; 500, \$1.25; 250, 75c. In lots of 5000 and over, \$2.00 per 1000. Cash with order.

W. B. DURIE, Rahway, N. J.

Celery, strong transplanted plants, well-hardened, \$2.00 1000; \$3.00 for 5000. White Plume and Boston Market. Cash, please.

R. Kilbourn, Clinton, N. Y.

VERBENAS.

Lemon verbenas, 2½-in., \$2.50 100.

R. Vincent, Jr. & Son, White Marsh, Md.

VINCAS.

We are booking orders for field-grown vincas, Oct. and Nov. delivery, \$3.00 per 100. Cash.

Dann & Son, Westfield, N. Y.

Vinca major, extra strong, 2½ and 3-in., \$3.00 100.

N. P. Colberg, Morris, Ill.

Vinca major, 6-in., \$3.00 doz.

L. H. Foster, Dorchester, Mass.

500 vincas, 5c each.

David S. Beach, Bridgeport, Conn.

VIOLETS.

15,000 Farquhar, Imperial and Marie Louise violets from 3-in. pots. All sand rooted from clean stock, Feb. and March struck. Ready the last of Aug. Booking orders now at \$3.50 per 100; \$30.00 per 1000.

A. J. THOMPSON, 757 Campbell Ave., New Haven, Conn.

Violets. I will be ready by Sept. 1st with my stock violet clumps. Clean and healthy Campbells, Princess of Wales, Swanley Whites and Californias. 20,000 field clumps and 2½-in. plants. By the violet grower.

A. B. CAMPBELL, Cochranville, Pa.

I have the largest and healthiest stock of PRINCESS OF WALES violets in the country. Am booking orders now for strong young plants, at \$2.00 per 100; \$15.00 per 1000.

Wm. Sim, Cliftondale, Mass.

Violets, Marie Louise and Lady Campbell, good, strong, healthy plants, out of 3-in. pots, carefully packed, \$3.00 per 100; \$25.00 per 1000. Cash with order.

GEO. H. BENEDICT, Yorkville, N. Y.

Violets, Imperial, M. Louise and Campbell, 3-in., \$4.00 100; \$35.00 1000; Campbells, 2½-in., \$20.00 1000. Crabb & Hunter, Grand Rapids, Mich.

Violets, Marie Louise, clean and healthy in every particular, 3-in. pots, \$5.00 per 100. Cash with order.

WM. J. CHINNICK, Trenton, N. J.

Violets, 1000 Lady Campbell and 100 Swanley White from 3-in., \$3.50 per 100; \$30.00 per 1000.

Rhoten Bros. Co., Danville, Ill.

Violets Princess of Wales, fine plants, 2½-in., \$2.00 100; \$18.00 1000. Cash, please.

G. M. Naumann, Doan St., Cleveland, O.

Violets Marie Louise, strong, healthy field-grown, \$2.00 100.

GEM NURSERY, Los Gatos, Cal.

WALL FLOWERS.

Wallflowers, 6 shades, \$1.00 per 100, prepaid.

Gem Nursery, Los Gatos, Cal.

TO EXCHANGE

To Exchange—Will exchange Asparagus plumosus and Sprengerii, smilax, vincas, sword ferns, Adiantum cuneatum, all extra good plants, at prices as per classified advertisement in this number, for white carnation plants from field; must be good plants. Have also Belgian hares; old and young.

N. P. COLBERG, Morris, Ill.

To Exchange—Asparagus plumosus for small palms.

Theodore Miller, Ironton, O.

WANTED.

Wanted—100 very young Acacia dealbata.

Gem Nursery, Los Gatos, Cal.

CANE STAKES.

Japan bamboo cane stakes, 6-ft. long. 1000 in bundle, \$5.50; 2000 in bundle, \$10.00; 3000 in bundle, \$13.25; 5000 in bundle, \$21.00; 10000 in bundle, \$37.50.

H. H. BERGER & CO., 47 Barclay St., N. Y.

Japan bamboo plant stakes, 6 ft., ¼ to ¾ in., \$6.00 per 1000; \$11.00 per 2000; 3 ft., ¼-in., \$3.00 1000, \$5.50 per 2000.

C. H. Joosten, 201 West St., New York.

CUT FLOWER BOXES.

Hunt's LIBERTY Folding Boxes are PURE WHITE, almost waterproof and stronger than any other box on the market. Send for sample. Price no higher than the "cheap-looking" boxes usually sold.

E. H. HUNT, 76-78 Wabash Ave., Chicago.

CUT FLOWER BOXES, the best, strongest and neatest folding cut flower box made.

Livingston Seed Co., Box 104, Columbus, O.

Our box sells on its merits.

Send for sample.

C. C. POLLWORTH CO., Milwaukee, Wis.

Star Florists' Boxes, Edwards & Docker Co., 16 and 18 N. Fifth St., Philadelphia, Pa.

Florists' Boxes, The J. W. Sefton Mfg. Co., 241-247 S. Jefferson St., Chicago.

DECORATIVE MATERIAL.

Oldest dealer in the United States in hardy cut fancy and dagger ferns. Write for prices.

L. B. BRAGUE, Hinsdale, Mass.

Fancy and dagger ferns, laurel festooning, ground pine, sphagnum moss, etc.

Crowl Fern Co., Millington, Mass.

Fancy and dagger ferns, laurel festooning, leucothoe sprays, bouquet green, etc.

H. M. Robinson & Co., 11 Province St., Boston.

Leucothoe sprays, fancy ferns, green sheet moss, sphagnum moss, etc.

L. J. Kreshover, 110 W. 27th St., N. Y.

Fancy and dagger ferns, evergreens, etc. Good stock, low prices.

A. J. Fellouris, 468 Sixth Ave., New York.

Galax, ferns and leucothoe sprays are our specialties.

N. Lecakes & Co., 53 W. 28th St., N. Y.

For southern wild smilax write

Caldwell The Woodsman Co., Evergreen, Ala.

EVERYTHING FOR FLORISTS.

Write for quotations on your wants to

E. F. WINTERSON CO.,

45, 47, 49 Wabash Ave., Chicago.

The CHEAPEST way, the EASIEST way, and the BEST way to get rid of that surplus stock is to use the REVIEW'S classified advs.

J. L. Elliott, South Bethlehem, Pa.

FLORAL DESIGNS.

Wax Flowers and Wax Floral Designs.

J. Stern & Co., 1928 Germantown Ave., Phila.

GALAX LEAVES.

Galax, bronze or green, and small green galax for violets.

L. J. Kreshover, 110 West 27th St., N. Y.

GALAX LEAVES, Bronze or green.

A. J. Fellouris, 468 Sixth Ave., New York.

GALAX LEAVES, green or bronze.

N. Lecakes & Co., 53 W. 28th St., New York.

GALAX LEAVES, green or bronze.

Crowl Fern Co., Millington, Mass.

GALAX LEAVES, green or bronze.

H. M. Robinson & Co., 11 Province St., Boston.

GLASS, ETC.

We make a special greenhouse putty. Price on application. Lord & Burnham Co., Irvington-on-Hudson, N. Y.

Florists' Specialties in Glass, Paint and Putty. Instructive advertising free for the asking.

Write JOHN LUCAS & CO., Philadelphia, Pa.

Importers and jobbers of greenhouse glass.

WHEELER-STENZEL CO.,

30 Sudbury St., Boston, Mass.

Greenhouse glass, paint and putty are our specialties.

Casper Limbach, Pittsburg, Pa.

Greenhouse glass a specialty. Sprague, Smith Co., 207-209 Randolph St., Chicago.

Greenhouse glass and putty a specialty.

C. S. Weber & Co., 10 Desbrosses St., N. Y.

HOSE.

Bull-dog hose, 7 ply, guaranteed; ¾-in., 16c ft.

U. Cutler Ryerson, Newark, N. J.

Good Hose. J. G. & A. Esler, Saddle River, N. J.

INSECTICIDES.

Use SULPHO-TOBACCO SOAP and have clean, healthy plants. Sample free cake if you mention The Florists' Review.

LARKIN SOAP CO., Buffalo, N. Y.

Tobacco dust, fresh stock, \$1.75 100 lbs.; stems about 100-lb. bales, 1c per lb.

W. W. Barnard & Co., 161 Kinzie St., Chicago.

SURE CURE WASH for all insect life and mildew, etc., on roses, orange trees, etc. Trade pkt. by mail, 25c.

GEM NURSERY, Los Gatos, Cal.

Rose Leaf Extract of Tobacco will save you money. For free booklet write KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

NICOTICIDE kills all greenhouse pests.

Sold by all seedsmen.

LEAF MOLD.

Leaf mold, highest quality, pure and clean. Prices furnished on application.

Gloede, Evanston, Ill.

PAINT AND PUTTY.

TWEMLOW'S OLD ENGLISH GLAZING PUTTY. An old article when goods were made for quality, not cheapness. It lasts a lifetime and is the best article today for all greenhouse glazing. Makes a firm, lasting bed for glass, unaffected by heat or cold. No leaky sash-bars when this is used.

1-gallon can (16 lbs.).....\$ 1.25
5-gallon can 5.90
10-gallon can 12.00
20-gallon can 23.00

E. H. HUNT, 76-78 Wabash Ave., Chicago.

POTS.

Standard Pots. We are now ready to supply a superior quality of pots in unlimited quantities. Catalogues and price lists furnished on application.

A. H. Hews & Co., North Cambridge, Mass.

Standard Flower Pots. If your greenhouses are within 500 miles of the Capital, write us; we can save you money. W. H. Ernest, 28th and M Sts., N. E., Washington, D. C.

Flower Pots. Before buying write us for prices. Geo. Keller & Son, 361-363 Herndon St. (near Wrightwood Ave.), Chicago.

Those RED pots. The right kind.

C. C. POLLWORTH CO., Milwaukee, Wis.

Red pots. Write for prices and sample pot.

Colesburg Pottery Co., Colesburg, Iowa.

SPHAGNUM MOSS.

Sphagnum moss of first quality. Can ship at a moment's notice—2 bales, \$1.50; 10-bale lots, \$6.00.

Z. K. JEWETT & CO., Sparta, Wis.

Sphagnum moss. Write for prices on large quantities.

Crowl Fern Co., Millington, Mass.

Sphagnum moss, selected, 5-bbl. bale, \$2.25.

U. Cutler Ryerson, Newark, N. J.

Sphagnum moss. Write for prices.

H. M. Robinson & Co., 11 Province St., Boston.

TIN FOIL.

American brand FLORIST FOIL—The standard foil of America.

John J. Crooke Co., 155 Ave. D, New York.

TOOTHPICKS.

Wired toothpicks, 10,000, \$1.50; 50,000, \$6.25. Sample free. For sale by dealers.

W. J. COWEE, Berlin, N. Y.

Wired toothpicks, box of 10,000, \$1.50.

W. W. Barnard & Co., 161 Kinzie St., Chicago.

WIRE SUPPORTS.

Model Extension carnation supports and galvanized rose stakes. Parker-Bruen Mfg. Co., 208 Jersey St., Harrison, N. J.

Model Extension carnation supports; also galvanized rose stakes and tying wires.

Igoe Bros., 226 North 9th St., Brooklyn, N. Y.

WIRE WORK.

Galvanized wire plant stakes at rock-bottom prices. N. F. McCarthy & Co., 84 Hawley St., Boston, Mass.

We are the largest manufacturers of wire work in the west.

E. F. Winterson Co.,

45, 47, 49 Wabash Ave., Chicago.

We are manufacturers—no middleman's profits.

C. C. POLLWORTH CO., Milwaukee, Wis.

Emil Steffens, Manufacturer of Florists' Wire Designs, 335 East 21st St., New York.

Reed & Keller, 122 W. 25th St., New York.

Manufacturers of Wire Designs.

E. H. Hunt, 76-78 Wabash Ave., Chicago.

ERIE, PA.—The Pennsylvania Soldiers' and Sailors' Home is to have new iron frame greenhouses costing \$13,000. The contract has been awarded to Hitchings & Co., New York.

SPOKANE, WASH.—The park commissioners have decided to build a greenhouse in Liberty Park to store the park plants during the winter. Heretofore it has been the practice to have them "boarded" by the local florists.

PLEASE MENTION THE REVIEW WHEN WRITING ANY OF THESE ADVERTISERS.

THE NEWER ROSES.

In the recent "rose number" of the Gardeners' Magazine the following interesting paragraphs are found:

Taking the newer hybrid teas alphabetically, we first have Duchess of Portland, which has flowers of a distinct shade of sulphur-yellow; they are also of full size, fine form, and freely produced. Conrad Strassheim, flesh white, suffused with rose at the margin, appears to be well deserving of a trial. Frau Peter Lambert is said to be a pink Kaiserin Augusta Victoria, and should that prove to be the case it will be a most desirable variety. Franz Deegen, pale yellow; Friedrich Hanns, lemon-yellow; and Helene Guillot, white and salmon suffused with carmine, are a trio well worthy of a trial. Mildred Grant is a variety raised by Messrs. A. Dickson & Sons, of Newtownards, and has exceptional merits. The flowers are very large and globular, with deep center, full, and with handsome petals; the color is a rich cream, suffused with pale rose. It has received the gold medal of the N. R. S., and has on several occasions been selected for the award of a silver medal as the best rose in the show. Perle Von Godesberg should be a valuable addition, for it is said to be a golden-yellow sport from Kaiserin Augusta Victoria. It is of German origin, and should be looked for among new roses.

Foremost among the teas of recent introduction is the exquisitely-colored Lady Roberts. The flowers are of full size, finely formed, and the color is a combination of salmon-buff and copper and orange. It is highly effective in the exhibition box, and of immense value for indoor decorations. As evidence of the merit of the variety, it may be mentioned that Lady Roberts has had two gold medals conferred upon it. Mrs. Oliver Ames is described as a blush-white sport from Mrs. Pierpont Morgan, and as it has had several medals awarded it in America, the country of its origin, the variety is deserving attention. Souvenir de Pierre Notting is an immense gain to the exhibition teas, and will probably be well represented in trade collections at the various exhibitions. The blooms are large and of superb form, and the color is a rich golden-yellow, suffused with apricot. Last year the National Rose Society awarded a gold medal in favor of this variety, a distinction which has been conferred upon it at several French exhibitions. Boadicea is a lovely variety, the flowers large and full, with high center; the color peach, shaded with pink and rose.

Primroses....

Nice strong plants from 2½-in. pots, best varieties.

Chinese.....\$2.50 per 100; \$20.00 per 1000
Obconica—Alba and Rosea, \$2.50 per 100;
\$20.00 per 1000. Cash.

OECHSLIN BROS., 1688 West Madison St.
CHICAGO.

Mention the Review when you write.

It will pay you to work up a stock of

TREGO

The best Semi-double Scarlet Geranium to date.
Strong, 2½-inch pots, \$8.00 per 100.

S. S. SKIDELSKY,

108 N. 16th St., PHILADELPHIA.

Mention Review when you write.

Surplus PEONIES for 1903

These varieties have all bloomed on our place and are true to name, and are not at all mixed. We make no charge for packing. The sizes given are as follows:

Small—Being plants of one or two stalks of this year's growth. **Medium**—Being plants of three to five stalks of this year's growth. **Large**—Being plants of six or more stalks and represents one, two or three-year-old plants.

Orders subject to stock being unsold and will be booked in rotation as received. These prices will not hold good after we begin digging and shipping September 1. To customers wishing a few plants we refer to our descriptive catalogue of last year and can generally give plants of same size as those there listed at prices given. Mailed on request.

WHITE SORTS.

- No. 6 Drop White—Early, fancy white, splashed with carmine, 300 small at 40c each.
No. 7 Queen Victoria or Whitley—Best early white for storage, 200 small at 30c each.
No. 11 Couronne d'Or—Late, large, ivory white, 35 small at 75c each.
No. 13 La Tulipe—Blush white, tulip markings, mid-season, 45 small at 50c each.
No. 14 Humea Alba—Rose shaped, flesh pink, late, 40 small at 40c each.
No. 38 Marie Lemoine (Callot)—Early, blush white, 50 medium at 60c each.
300 fine, pure white, small, 25c each.

PINK SORTS.

- No. 101 Carnea Elegans—Early, commercial, pink, 100 small at 30c each.
No. 106 Triomphe de l'Exp. de Lille—Mid-season, pale rose pink, high center, 60 medium at 60c each; 65 large at \$1.00 each.
No. 111 Victoire Tricolor—Large rose guard, mixed pink center, very fragrant, mid-season, 50 small at 40c each.
No. 114 Sidonie—Early, pink guard, darker center, 30 small at 30c each.
No. 135 Lady Leonora Bramwell—Early, solid silver pink, 200 small at 50c each.
No. 165 Count de Cussy—Mid-season, delicate pink, fragrant, 20 medium at 45c each; 35 large at 75c each.
300 one-year-old plants, mostly pink, from our best sorts at 10c each.

ROSE SORTS.

- No. 201 Pres. de Montsay—Late, dwarf, massive rich rose, 30 large at 50c each.
No. 218 Mme. Geissler—Immense rose, late, 100 small at 50c each.
No. 220 Humel—Late, very full, rose, 50 small at 25c each.
No. 221 Ju es Callot—Late, deep rose red, 30 medium at 40c each.
No. 243 Furst Bismarck—Large, rose guard, anemone, 20 medium at 40c each.

RED SORTS.

- No. 303 Rubra Triumphans—Bright, early crimson, 100 small at 35c each.
No. 315 L'Eclatante—Blood red, 50 small at 40c each.
No. 326 Purpurea Superba—Deepest red, early, 100 small at 50c each.

SINGLE JUNE-FLOWERING SORTS.

- No. 02 Tatarica—Single white, original type, 7 small at 50c each.
No. 0202 Celestial—Single rose (Thos. Ware), 17 large at \$1.00.
No. 0301 Adam Bede—Single, crimson (Kelway), 4 large at \$1.50 each.
No. 0304 Albiflora Purpurea—Single, crimson (Thos. Ware), 11 small at 50c each.
No. 0305 Stanley—Single, deepest maroon (Kelway), 7 large at \$1.50 each.
No. 0307 Mikado—Single, Japanese crimson, golden filigree cushion, late 25 small at \$2.00 each.

— This list supersedes the one recently sent out. —

PETERSON NURSERY, 164
Sa Salle Street, Chicago.

Mention The Review when you write

Winter Flowering Roses.

Fine healthy stock from selected cuttings. Sunrise, American Beauties, La France, 3-in. pots, \$9.00 per 100; 4-in. pots, \$12.00 per 100.

Brides, Maids, Golden Gates, Meteors Safrano, Bon Silene, Mme. Hoste, Papa Gontier, 3-in. pots, \$7.00 per 100; 4-in. pots, \$10.00 per 100.

GRAFTED ROSES. Fine bushy plants in 3½ and 4-in. pots.

Liberty, Ivory, \$18.00 per 100. Brides, Maids, Golden Gates, Kaiserin, \$15.00 per 100.

J. L. DILLON, BLOOMSBURG, PA.

Mention Review when you write.

Roses
...to Force.

	100	1000
Brides, Maids, Gates, 3-in.	\$4.50	\$40.00
Ivory, Meteors, very strong, 3-in.	5.00	45.00
Brides, Maids, Golden Gates, 2½-in.	2.50	22.50

This is vigorous, clean stock, in the best possible condition to plant for forcing. You will find it good strong value at these prices.

Write us about several hundred feet of 4-in. hot water pipe in first-class order. Price low.

W. H. GULLETT & SONS, - - Lincoln, Ill.
Mention the Review when you write.

Pansies The
Jennings Strain.

New crop seed now ready. Large flowering, finest colors, in great variety. By mail, 3000 seed, \$1.00; ½-pkt., 50c; 1 oz., \$5.00; 2 oz., \$9.00; 3 oz., \$12.00. Separate colors in blue, black, red, white and yellow, 50c pkt. Cash with order.

E. B. JENNINGS,

Lock Box 254. SOUTHPORT, CONN.

Grower of the Finest Pansies.

Mention Review when you write

KALAMAZOO, MICH.

During the past month trade has been quiet, with the exception of funeral work, which has been fairly plentiful. Roses have been of good quality and have held up wonderfully, even during the warm spell, but are rather scarce. This, however, will not be the case in a week or two, when the young stock begins to give a crop. The young stock is looking particularly well, Beauties being especially fine.

Carnations in the field are healthy and stocky and are in fine condition for benching. Planting is being pushed along vigorously and if the weather continues favorable the work will be finished much earlier than in former years.

The Van Bochove Bros. have finished their new block and are planting it to carnations. This brings them close to the 100,000 feet mark.

The Dunkley Floral Co. has just about finished planting carnations. They contemplate rebuilding and remodeling their propagating house this fall.

According to present reports there will be quite a contingent from here to attend the convention.

R.

SHREVEPORT, LA.—Ike R. Myer has opened a flower store here.

BEAUTY

Plants from 3-inch pots, \$6 per 100; \$50 per 1000. Also a few thousand

GOLDEN GATE, 2½-inch, \$2.50 per 100; \$20 per 1000.

IVORY, 2-in., \$3 per 100; \$25 per 1000.

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG,
51 Wabash Ave., Chicago.

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Last Call. 'MUMS

We have several thousand strong plants of the best standard varieties, which we will close out at \$2.50 per 100; \$20.00 per 1000. Selection left entirely to us.

NATHAN SMITH & SON, Adrian, Mich.

FOR SALE.

4-inch Maids	\$6.00 per 100
4-inch Meteors	6.00
3-inch Perles	5.00
3-inch Beauties	5.00

Pittsburg Rose & Carnation Co.
Gibsonia P. O., Pa.

Roses EXTRA STRONG

American Beauty	3½-in.	\$10.00 per 100
Golden Gate	3½-in.	8.00 per 100

H. WEBER & SONS, Oakland, Md.

Dreer's Special Offerof Araucarias.

We have in stock about fifteen thousand Araucarias, on which we are in a position to offer special values. It will pay you to procure your next winter's supply now and not only gain the benefit of the summer's growth, but also cheap transportation rates, as these plants can be safely shipped by fast freight during the summer months.

5-in. pots, 8 to 10 in. high,	3 tiers....	Each. \$0.50
6-in. " 12 to 15 " "	8 to 4 " "	.... .75
6-in. " 16 " "	4 " "	.... 1.00
5-in. " 20 " "	4 to 5 " "	.... 1.25

Araucaria Robusta Compacta.

6-in. pots, 10 in. high, 2 to 3 tiers.....	\$1.25
6-in. " 12 " " 3 " "	.... 1.50
7-in. " 15 " " 3 " heavy..	2.00

Araucaria Excelsa Glauca.

5-in. pots, 8 to 10 in. high, 2 tiers..	\$0.75
6-in. " 12 " " 2 to 3 " "	.... 1.00
6-in. " 15 " " 4 " "	.... 1.25
7-in. " 18 " " 4 " "	.... 1.50
8 and 9-in. " 22 to 24 " "	.... 3.50

The plants at \$3.50 are exceptionally fine symmetrical specimens, spreading fully 30 inches.

Our current Wholesale List offers the most complete list of Palms and other Decorative stock that we have ever been in position to offer, and we especially call attention to our stock of Kentias which alone covers over two acres of greenhouse space. Lillium Harrisii and Freesia bulbs now ready. New crop Pansy, Myosotis, Primula now in.

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The choicest stock. Strong, hardy and handsome. Perfect in every respect. Look for exhibit of samples at the **Milwaukee S. A. F. Convention**, where I shall be pleased to receive orders for immediate or future delivery. Don't forget to place your orders early. It is important.

Send for descriptive price list or see adv. in next issue Florists' Review.

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FINISHED PLANTING, HAVE A SURPLUS OF Fine, Clean, Thrifty ROSE PLANTS

3½-inch Maids	\$45.00 per 1000	3½-inch Gates.....	\$45.00 per 1000
3½-inch Beauties.....	60.00	3-inch Ivory.....	45.00
3-inch "	50.00	3½-inch Perles.....	50.00
2-inch "	35.00	2-inch Meteors, Maids.....	20.00

STEVIA. 2-inch, \$22.00 per 1000; 3½-inch.....\$35.00 per 1000
Rooted Cuttings..... 12.00

MUMS { Our selection of good commercial var., 2½-inch.....\$25.00 per 1000
Our selection Rooted Cuttings of good commercial var..... 12 00
Yellow Eaton, Liger, Richardson, Rooted Cuttings..... 15.00 per 100
Chautauqua Gold, \$5.00 per 100; Estelle..... 3.00

Special discount on large orders.

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Fine Rose Stock!

3-INCH POTS.

PROPAGATED FROM SELECTED STOCK.

Meteor, Bridesmaid, Golden Gate, Ivory, Perle, will close out at \$4.00 per 100.

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Sterilized Soil Grown Roses?

Free from club roots, and
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We offer the following surplus stock made
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1300 Beauties, 3-inch, at	\$6.00
1250 Liberties, 3-inch, at	8.00
1150 Maids, 3-inch, at	5.00
900 Brides, 3-inch, at	5.00

Ready for 4-in. or benching. Cash or C. O. D.

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Washington, D. C.

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Thrifty plants from 2½-
inch pots, \$2.00 per 100;
\$17.50 per 1000.

WM. B. SANDS,
LAKE ROLAND, BALTIMORE, MD.
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Extra Fine

Beauties, Meteors, Golden Gates, Liberties,
Brides and Maids, in Roses.

Headquarters for Boston and Plersoni Ferns,
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Write us about all sizes.

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SUNRISE ROSES!

From 3-inch pots, \$9.00 a 100.

JOHN WELSH YOUNG,
GERMANTOWN, PA.

Upsal Station, Penn. R. R.

Brides and Maids

Strong plants, 3-inch pots, \$5.00 per 100.

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1000 Am. Beauties, 3-inch.....	\$35.00 per 1000
4000 Meteors, 3 inch	25.00 "
1500 " 3½-inch	30.00 "

BRANT & NOE, Forest Glen, Chicago, Ill.

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FIELD-GROWN CARNATION PLANTS.

It has been a good growing season and plants are in
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Mrs. Thos. W. Lawson.....	\$6 00	\$50 00	Chicago	\$5 00	\$40 00
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Mrs. Frances Joost	3 00	25 00	Flora Hill	5 00	40 00
Genevieve Lord.....	3 00	25 00	Queen Louise	5 00	40 00
Triumph	4 00	35 00	Norway	5 00	40 00
Mrs. Higinbotham.....	5 00	40 00	White Cloud.....	5 00	40 00
G. H. Crane	5 00	40 00	Mrs. Geo. M. Bradt.....	5 00	40 00
Mrs. Potter Palmer	4 00	35 00			

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immediately when money will be refunded.

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Choice 4-in. stock. We have about 2000 plants which we reserved
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Strictly first-
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every respect.

Lawson, Norway, White Cloud, \$5.00 per 100.

ALL PLANTS SHIPPED FROM CHICAGO, ILL.

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PIPING.

We are erecting a short-roofed carnation house 23x78, also a palm house 14x14, with an ell 5½x20. These houses have walls 6½ feet high and are 10½ feet to ridge. We shall use a Kroeschell hot-water boiler and 2½-inch flow and 2-inch return pipes. How many flows and how many returns should we use in each house? The temperature sometimes goes as low as 20 degrees below zero. We also have a rose house 18x44, and would like to know how many 2-inch hot-water pipes should be painted with sulphur to keep down mildew? D. H. H.

It will be necessary to have more particulars as to the glass surface in the several houses in order that an intelligent reply may be given. A sketch should be made showing arrangement of roofs and sides, showing what is glass and what is solid wall; also a rough ground plan showing the relation of the houses to each other and boiler cellar and arrangement of benches and paths. For checking mildew in rose houses one 2-inch pipe under each bench may be painted, at first with the sulphur, and if not found sufficient more can be painted later. The prompt effectiveness of the sulphur paint on hot-water pipes depends upon the temperature of the pipes; therefore, if strong firing is being done a less number of painted pipes will be necessary than if very slow firing is being done.

HENRY W. GIBBONS.

PIPING SMALL HOUSE.

I have a greenhouse 20x40 feet, having glass in one end and on side walls. The heater has four flows and four returns, 2-inch. How shall I pipe the house? A. R.

For heating the greenhouse described to a night temperature of 60 to 65 degrees, seventeen lines of 2-inch pipes will be required. The distribution of this surface would be five pipes under each side bench, two flows and three returns under each, and one coil of seven pipes under the center bench, three flows running under the east side of the center bed near the edge, and four returns under the west side. A 2-inch flow and return main from the boiler to each of the three coils will be ample.

HENRY W. GIBBONS.

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- 1 lb. Tin Can.....\$.25
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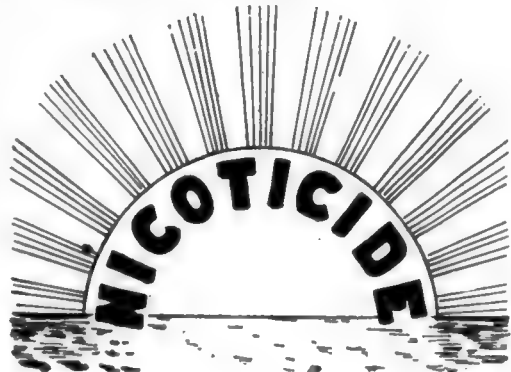
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WATERPROOF. Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No. 0....3x4	x20..\$2.00 per 100; \$18.00 per 1000	
No. 1....3x4½	x16..1.75	15.00
No. 2....3x6	x18...2.00	18.00
No. 3....4x8	x18...2.40	22.00
No. 4....3x6½	x24...2.75	25.00
No. 5....4x8½	x22...3.00	27.00
No. 6....4x8½	x28...3.75	35.00
No. 7....6x16	x20...5.50	55.00
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In going to Milwaukee

kindly remember that the Chicago Florists' Club has selected the

Chicago, Milwaukee & St. Paul Railway

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BEST offers **ALL** the time
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Manufacturers of
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SEND YOUR ORDER EARLY

The more time we have to set an adv., the more care can be given its typographical display and the better position it will get. CONVENTION NUMBER AUGUST 20.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

520-535 Caxton Building,
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Wednesday morning to insure insertion in the
issue of the following Thursday, and earlier will
be better.Entered at the Chicago post-office as mail
matter of the second class.This paper is a member of the Chicago Trade
Press Association.

INDEX TO ADVERTISERS.

This index covers only those having displayed
advertisements. There is a host of others mak-
ing offers in our classified ads. and they will be
found there under their proper headings.

Allen, J. K.	402	Hammond, J. A.	402
Ameling, E. C.	397	Hancock, Geo. & Son.	407
Aschmann, Godfrey.	400	Hansen, C.	400
Baker, W. J.	401	Hauswirth, P. J.	406
Ball, G. D.	414	Heacock, Jos.	408
Barnard & Co.	385	Herr, A. M.	401
Bassett & Washburn	404-15	Herrmann, A.	386
Bayerdorfer & Co.	386-96	Hicks & Crawbuck.	408
Beach, D. S.	405	Hill Co., E. G.	401
Beckert, W. C.	399	Hippard, E.	419
Beneke, J. J.	406	Hitchings & Co.	416-18-30
Bentley & Co.	404	Holton & Hunkel Co.	405
Berchmans Co.	398	Hunt, E. H.	404-16
Berger, H. H. & Co.	388	Igoe Bros.	419
Bernheimer, E.	401	Jacobs & Son.	418
Berning, H. G.	405	Jennings, E. B.	413
Bonnot Bros.	402	Johnson & Stokes	401
Bowe, M. A.	406	Jurgens, Aug.	405
Bradshaw & Hartman	402	Kasting, W. F.	385
Brague, L. B.	403	Kellogg, Geo. M.	401
Brant & Noe	415	Kennicott Bros. Co.	385
Breitmeyer's Sons	406	Kramer & Son.	409
Brod, J.	407	Kreshover, L. J.	403
Bruns, H. N.	404	Kroeschell Bros. Co.	420
Buckbee, H. W.	415	Kuehn, C. A.	405
Buckley Plant Co.	404	Kuhl, Geo. A.	404-15
Budlong, J. A.	404	Lager & Hurrell.	400
Burpee, W. Atlee & Co.	399	Lange, A.	406
Caldwell Co., W. E.	418	Larkin Soap Co.	416
Caldwell The Woods- man Co.	401	Lecakes & Co., N.	408
California Carnation Co.	407	Limbach, C.	420
Century Flower Shop	406	Livingston Seed Co.	416
Chicago Carnation Co.	386	Loomis Floral Co.	404
Clarke Bros.	406	Loose, J. L.	415
Clarke's Sons, David	406	Lord & Burnham	420
Classified Ads.	408	Ludemann, F.	407
Cottage Gardens.	403	McConnell, Alex.	406
Cowee, W. J.	404	McCullough's Sons.	405
Crabb & Hunter	405	McManus, James.	402
Crowl Fern Co.	403	McMorran & Co.	418
Crooke Co., J. J.	416	Meehan, C. E.	415
Cunningham, J. H.	407	Michigan Cut Flower Exchange	405
Dearborn Engraving Co.	402	Millang, O.	402
Dickinson Co., Albert	399	Moninger Co., J. O.	419
Dietsch, A. & Co.	417	Moon Co., W. H.	398
Diller, Caskey & Co.	418	Moore, Hentz & Nash	402
Dillon, J. L.	413-19	Moss, Isaac H.	405
Dillon Greenhouse Mfg. Co.	420	Muno, John	404
Dixon Crucible Co.	418	Mott Seed & Bulb Co.	407
Dorner, F. & Sons Co.	409	Murphy, Wm.	405
Drer, H. A.	400-14-20	National Florists' Board of Trade	403
Dunn & Co., C. A.	401	N. Y. Cut Flower Co.	402
Dunne & Co.	386	Niessen, Leo.	401
Eickholt, Mrs. Chas.	406	Oechlein Bros.	413
Elliott, J. L.	416	Park Floral Co.	406
Ellis, F. M.	405	Parker-Bruen Co.	419
Fellouris, A. J.	403	Peacock, W. P.	407
Florists' Hall Asso.	419	Pennock, S. S.	400-1-5
Foley, J. J.	402	Perkins, J. J.	403
Foley Mfg. Co.	419	Peterson's Nursery	413
Foster, L. H.	407	Philadelphia Whole- sale Flower Market	403
Fehr, A. G.	403	Pierce Co., F. O.	419
Garland, Geo. M.	420	Pierson Co., F. R.	385-86
Garland, Frank	404	Pierson-Sefton Co.	420
Gasser Co., J. M.	408	Pittsburg Cut Flow- er Co.	403
Geller, Sigmund	386	Pittsburg Rose & Carnation Co.	414
Getmore Box Fac- tory	416	Poehlmann Bros.	404-14
Ghormley, W.	402	Pollworth Co.	415
Giblin & Co.	420	Quaker City Machine Works	420
Gibbons, H. W.	420	Randall, A. L.	404
Graham, H.	407	Rawlings, E. I.	402
Gude & Bro., A.	406	Rawson & Co.	399
Gullett & Sons	413	Rebstock, J. H.	399
Guttman, A. J.	403	Reed & Keller	386
		Regan Ptg. House	417
		Reid, Edw.	401
		Reinberg, Geo.	404
		Reinberg, P.	404-14-15
		Rice, M. & Co.	396

Riedel & Spicer	402	Thaden & Co.	386
Robinson & Co.	386	Thorburn, J. M. & Co.	399
Rock, W. L.	406	Tobacco Warehouse- ing & Trading Co.	416
Roehrs, Julius	407	Traendly & Schenck	403
Rupp, J. F.	401	Vesey, W. J. & M. S.	400
Ryerson, U. C.	419	Vincent, Jr. R. & Son	401
Salter, W. H.	404	Virgin, U. J.	406
Sampson, Wm.	403	Wabash Ry.	417
Sands, W. B.	415	Wagner Park Con- servatories	401
Schlegel & Fottler	399	Weathered's Sons	418
Schmitz, F. W. O.	386	Weber, F. C.	406
Scollay, J. A.	420	Weber & Sons	414
Scott, John	407	Weiland, M.	406
Scott, W.	406	Weiland & Risch	404
Sheridan, W. F.	402	Whitton, S.	407
Shibeley	406	Wiegand & Sons	406
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Siebrecht & Son	406	Williams Co., F. R.	401
Sievers & Bolland	406	Winterson Co., E. F.	400
Sinner Bros.	404	Wittbold Co.	406
Skidelsky, S. S.	413	Wilks Mfg. Co.	418
Smith & Son, N.	414	Young, John	402
Smith Co., W. & T.	398	Young, J. W.	415
Sprague Smith Co.	420	Young & Nugent	402
Stern & Co., J.	386	Zirngiebel, D.	407
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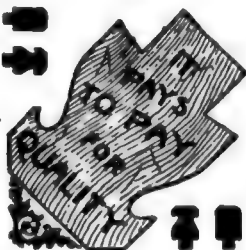


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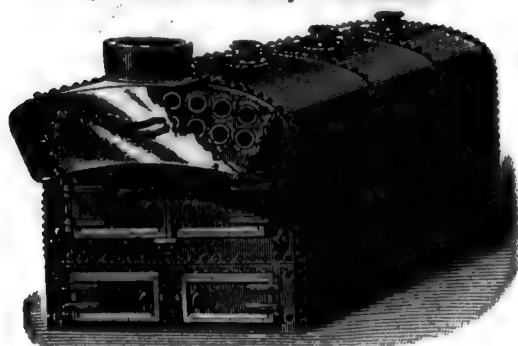
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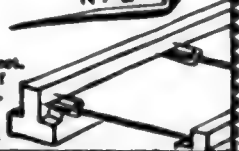
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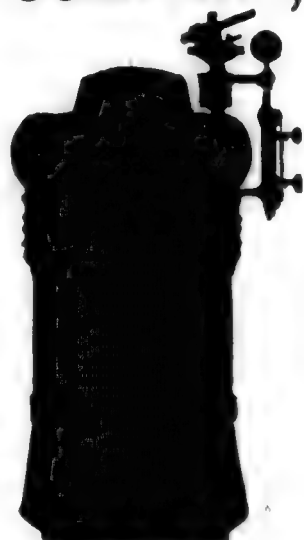
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Vol. XII.

CHICAGO AND NEW YORK, AUGUST 13, 1903.

No. 298.

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MISCELLANEOUS SEASONABLE HINTS.



Firing in Summer.

A seasonable hint, but slightly infringing on the territory so ably covered by "Ribes," who, I know, will forgive me, is the question of firing during the summer months, particularly for roses. To be reminiscent a moment, and let my memory go back fifty years, more or less, in the salubrious climate of the south coast of England, between the South Downs and the English Channel, where the summer days are seldom so warm as what we know as "a hot day," but where the nights in June, July and August seldom go below 60 degrees, firing is never dropped in the houses that contain palms, tropical ferns, orchids, or in the pineapple house or forcing graperies. True, perhaps they get more cloudy days, but what have we had this year for the past two months? Rain at least every other day or night, a hot day very occasionally and within twenty-four hours a temperature at 10 p. m. of 12 degrees above freezing. It may be lower in the still grey hours before the dawn, but we don't know that, for we always retire at 10 p. m. promptly (!).

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A little steam heat and the ventilators open is not raising the temperature but very little. It is only causing a circulation of air and preventing a stagnant dampness settling on the foliage. Next summer, in my small way, the fire will never go out. The slight cost of fuel and the fireman's wages will be paid back fourfold by the clean, pretty flowers that will result. This may not apply to all our northern states so much as it does to northern New York, Pennsylvania and the lake region. I think I have quoted before today the remark of our esteemed friend, J. A. Valentine, of Denver, who said: "We never let our fires out the year around." That is sim-

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As the plants at that time are far from having attained their full growth, each flower stem should be cut not with the object of getting it as long as possible, but with the definite purpose of improving the size and form of the bush, and with the view of enhancing its future productiveness, when the demand will be brisker and prices rule higher.

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Milwaukee, with Exposition Building in Right Foreground.

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Picking out the buds of Beauties, the stems of which are not quite long enough for market, will result in another bud developing just at the base of the bud

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Fine plants, 3 feet\$1.25 each.

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The true long leaf variety, stems from 1/2 lb. to 6 lbs. Per 100 lbs., \$7.50.

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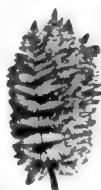
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stem and which in a week or two will reach out and increase the length of the stem by eight or ten inches.

This method can be carried on for some weeks, if necessary, as sometimes the price offered for blooms will not repay the injury done to the plants by hard cutting. **RIBES.**

CARNATION NOTES—EAST.

Stem Rot.

It may be truly said that carnation growers in this section have labored under peculiar conditions this summer. With an extremely dry period at the start and just the reverse for the greater part of the real growing period, it is not surprising to hear of the sad havoc wrought by stem-rot.

In comparing reports it seems that certain varieties have suffered badly with some growers while with others the same varieties are lifting in good health, very few plants being missing. It is obvious then that it is not the tendency of the variety to stem-rot, but that the cause comes from improper handling or the existence in the field of soil conditions or matter unsuitable to the health of the plants.

Having made numerous inquiries as to the methods pursued by different growers in handling the young stock previous to planting out and finding some who followed one and others another course, all claiming a good stand of plants when transferred to the field, I have been led to make still further inquiries as to methods of field preparation. As stated in previous notes, from the results of observation, I cannot believe stem-rot to be a constitutional disease; neither can any variety, in the full sense of the term, be said to be inclined that way but rather that some varieties are more susceptible to it than others.

I cannot credit the romantic theory that stem-rot has its birthplace in the cutting bench, clinging to the plant during its life in a pot or flat inside, still lingering about until it is nearly or quite full grown, then striking a death blow. Stem-rot may develop in the propagating sand, but its effect will soon be shown or healthy conditions repel its advance.

The use of fungus laden soil, or that too rich in animal manure, for potting young stock has been known to bring on the trouble, but I venture to say few growers there are now who are not alive to the importance of proper soil and quarters for their young stock.

In the field is where the evil effect of the cause is shown and I believe cause and effect are not very far apart in the culture of carnations. The same weather conditions which produce growth of plants also promote the growth of fungous diseases; that is heat and moisture, but excessive moisture gives to fungi an advantage, while to plants it acts as a check. Thus the door is open for disease to enter.

As fungi are ever present in soil containing decaying vegetable or animal matter, is it not reasonable to suppose that stable manure, often obtained from an unknown source, may contain dangerous fungi? I have frequently noticed stem-rot to be more prevalent on heavily or recently manured land than on land that has produced a hoed crop the year previous.

My experience this year has proved to my satisfaction that the field should if possible be prepared two years in ad-

vance. Manure and plow in the spring of the first year, planting to a hoed crop, such as potatoes, and cultivate thoroughly. Plow again in late fall, leaving as rough as possible. Another plowing in spring followed by the harrowing or raking in of a liberal coat of wood ashes gives the soil ample fertility and reduces liability of objectionable fungi.

This is the method I have followed and which was advised in my notes of March 26, with the result of a loss of less than five per cent by stem-rot. The results of indoor culture by the compromise method explained in previous notes will receive attention next week.

GEO. S. OSBORN.

MAKING A BEGINNING.

My carnations were planted in the benches May 1, in new, unglazed houses, using about six parts of good blue grass sod and some subsoil to one part of well rotted cow manure, with a good



F. H. Holton.

Superintendent Trades Display.

sprinkling of lime worked in. The varieties are Lawson, America, White Cloud, Joost and Kohinoor. The stock has been well cultivated and watered as it needed water. When shall I glaze the houses and when would a mulch or feed be desirable? What is a good formula of bone meal to use and at what intervals? **STARTER.**

I would not be in a hurry to glaze those new houses if the plants are making satisfactory growth. The greatest trouble with planting carnations on raised benches outside is that they dry out too rapidly and the plants suffer for want of water, but if yours have not suffered in that way they will likely be growing rapidly now and from now on they will be making a strong, sturdy growth which cannot be improved upon by glazing the houses. The fact that we advocate early housing so the plants will make their fall growth inside does not apply in this case. It is not that we want them to be making the growth under glass, but we want them to make it on the soil on which they are to remain all winter and become so much better established. Therein lies the advantage of early planting. You should have the houses glazed before any real

frosts happen along, and whatever date you usually have your first frosts in your locality you know better than I. Here it is usually the latter part of September. You can estimate about how long it will take you to do the job, and you can get everything ready, so you can rush it through when you start.

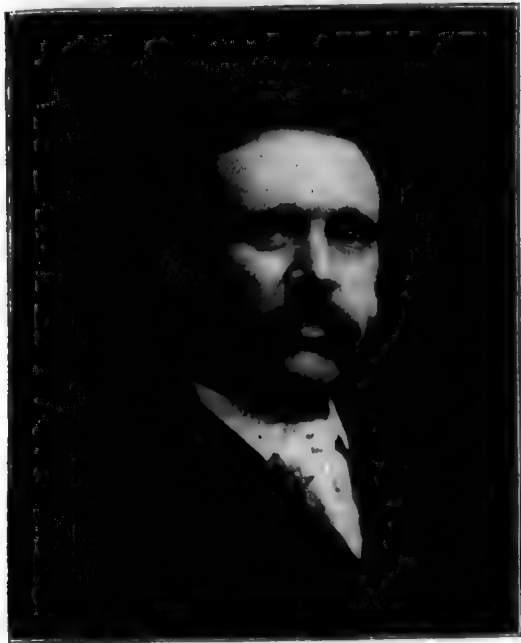
You can give them a light dressing of bone at this time with good results. About a 2½-inch pot full to a row five to six feet across the bench will be about right, and work it into the soil, after which water well. I would follow that at once with about a half inch of half rotten cow manure, to help keep the soil from drying out too rapidly. The mulch might have been applied six weeks ago with good results. This will be all the feed they will need for some time. **A. F. J. BAUR.**

WATERING FIELD CARNATIONS.

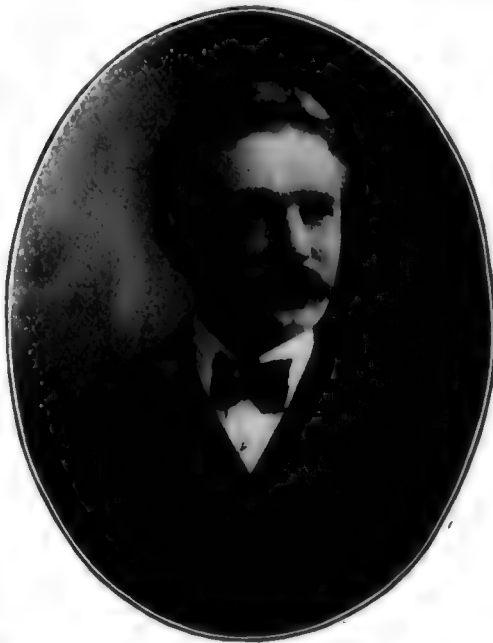
Mr. Scott, in a recent REVIEW, gives a "Seasonable Hint" on "watering vs. cultivating" carnations in the field, taking for his text an article of mine in which I stated that I water my carnations in the field "when water is needed." Unfortunately my article did not advocate watering as against cultivating, for water will not take the place of cultivation. But cultivating will not take the place of watering, either, "when water is needed," for cultivation will not produce moisture, as the immense dams and irrigating ditches of the west abundantly prove. So when water is needed, as is the case at times on my soil, I water my carnations and they grow and do not rot. I hope no one will think I am trying to establish a cast iron rule for carnation growers, regardless of differences of climate, soil, etc.

Mr. Scott seems to ignore the fact that soil dries out by the water in it sinking from its own gravity downwards, as well as by evaporation, and if water were not applied the soil would dry out down to bedrock. This is why I say that cultivation will not produce moisture. If it did the "great American desert" we used to read of could be made to blossom like Eden. It may be true that cultivation, and especially deep cultivation, owes much of its effectiveness to the fact that the hose or plow brings moist soil from below and mixes it with the dry surface soil. If this be so will it not explain why cultivation with a horse implement seems to be more effective than hand hoeing?

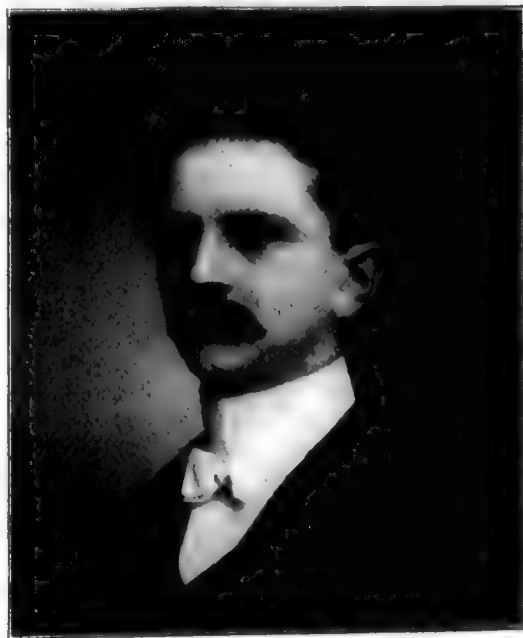
Mr. Baur also pays his respects to my modest article, but from the stem-rot side of the question. He thinks I do not agree with his repeated assertions that frequent cultivation is in most cases preferable to watering carnations in the field. I do most emphatically agree with him on that point, but it was not of "most" cases I was speaking, but of my own case. My soil does not bake. Being high and light, it dries out rapidly. During a dry spell I water my carnations and, as I have said, they grow and do not rot. I have looked in vain in my article to find what Mr. Baur asserts I said, that "frequent watering or excessive rains will not cause stem-rot." I have an idea that too much water will rot any plant not an aquatic. I also have an idea that with healthy plants, proper fertilizers in quantities not in excess of what is needed to produce



C. B. WHITNALL, Treasurer



C. C. POLLWORTH, President.



H. V. HUNKEL, Secretary.

Officers of the Milwaukee Florists' Club.

healthy growth, good drainage and proper cultivation, a scarcity of rainfall can be met by judicious watering without danger of stem-rot.

J. Y. LAMBERT.

BEGONIA SEMPERFLORENS.

Please tell me the time to sow the Begonia semperflorens to have nice plants for early spring sales. M. G.

Sow it at once, or at the latest in the early part of September. We are often too late in sowing this variety, and also in sowing Vernon and several of its type, which are some of our most pleasant flower garden plants. Sow them early and keep them in a night temperature of 50 degrees, with the fullest light during winter, and they make better plants than when sown later and forced along rapidly. All begonias except the Rex species want more daylight than is usually given them.

WILLIAM SCOTT.

ASTER TROUBLES.

I have about a thousand aster plants, Semple's Branching, planted on a piece of ground which was first broken last season. At least three-fourths of them seem to be turning yellow, as if with disease. The ground seems to be soft enough and has been kept stirred. I can discover no parasites on either roots or leaves, even with a glass. Can you suggest what may ail them? Had a few of the same sort last season, so changed them to a new place and procured new seed.

P. W. J.

As. P. W. J. can discover no "parasites," it is hard to say what the trouble can be. Wire worm, or the larva of the May bug, is often most troublesome in soil that has been lately broken up from sod, but their work on the roots would be quickly discovered. The aster beetle, so troublesome this year, would merely destroy the shoots and flowers. Now, in addition to the beetle trouble, we have lost quite a percentage of plants of a batch of Truffaut's peony flowered aster. We pulled up several plants and found a good bunch of healthy roots, but on cutting open the

stem it was black in the center for two or three inches above the ground. The plants just wilt and die. The trouble was a mystery until at last we discovered a small worm that had eaten his way into the very bottom of the stem beneath the ground. The worm is about half an inch long and as thick as a pin or a little stouter. That, of course, is the trouble, as the worm had destroyed the tissue of the stem and all above it soon decayed and the plant quickly died. I don't believe that any remedy can be applied this year. The ground is rich and has grown asters two previous years. Next spring, after plowing, we will harrow in a good dressing of air-slaked lime, and that is all I can recommend P. W. J. to do.

WILLIAM SCOTT.

A REMEDY FOR ANTS.

Will your correspondent who recommends sugar and arsenic on bread as a destroyer of ants please state the proportions he uses in this mixture?

A. S.

We did not make a careful measurement of the mixture, but took about what arsenic could be picked up on the point of a pen-knife and, after mixing with a teaspoon of granulated sugar, spread on a slice of bread.

S. A. P.

POINSETTIAS.

Please tell me about the rooting of poinsettias; all mine rot. The morning temperature is about 72 degrees, noon 94, night 80. There is lath on the glass and one-third the roof is open as well as the sides and ends. The cuttings are started in 8-inch pans in washed plastering sand; no bottom heat. I can root them in spring with bottom heat.

FLORIDA.

The temperature quoted is most assuredly higher than we have been experiencing of late, but that, we think, should make no difference in rooting this tropical plant. It is true that they root easily and surely in the spring when we have some bottom heat and a lower day and night temperature. There is little

doubt that the trouble with our friend in Florida is simply that he doesn't keep the sand wet enough. Some fifteen years ago we made the same mistake ourselves. Keep the bed saturated. If a bright day, water twice a day and keep well shaded and you will have no trouble in rooting them. The open sides and ends of the house I think liable to give them too much draught and that wilts them. When rooted and potted be sure to keep them shaded and not exposed to a draught for the first week.

WILLIAM SCOTT.

CHICAGO TO MILWAUKEE.

Arrangements have been completed with the Chicago, Milwaukee & St. Paul railway for a special train of solid vestibule cars, including buffet car, to leave Chicago from Union Passenger Station, Canal and Adams streets, at 10 o'clock Tuesday morning, August 18. The equipment throughout will be the finest that the road can furnish. Special will arrive at Milwaukee at 11:50 a. m., three hours before the time set for the opening of the convention. Special rate of one fare and a third for the round trip on certificate plan has been granted all those attending the convention. The entertainment committee has arranged for return movement, Milwaukee to Chicago, by steamer for those wishing to make the lake trip. When purchasing your ticket to Milwaukee, be sure that it reads via the Chicago, Milwaukee & St. Paul railway, also ask ticket agent to furnish you with a certificate receipt, as this insures you a return ticket at one-third fare.

Important Notice.

Those from a distance traveling via Chicago must bear in mind that, by whatever way they may travel from Milwaukee to Chicago after the convention, it will be necessary to buy return tickets at Milwaukee to get the one-third fare for the return journey. *Tickets home cannot be purchased in Chicago except at full fare.* Those who come to Chicago without having provided themselves with tickets to their homes will be compelled to return to Milwaukee to avail themselves of the one-third fare.

SHREVEPORT, LA.—Ike R. Myer has opened a flower store here.

A MODERN PLANT.

It is unfortunate that the S. A. F. convention comes at a time when greenhouse establishments in its vicinity are at the low tide of the year, but, while this is true, there is much to excite the interest of practical men in such a place as Peter Reinberg's, where there will be many visitors, passing through Chicago, next week. Building and rebuilding have delayed replanting operations, but the place is now all planted, although a good deal of the dried off rose stock has not yet been started up. It is worth noting that there are 230,000 rose plants on the place, as follows: 60,000 Beauty, 30,000 Maid, 25,000 Bride, 12,000 Perle, 20,000 Golden Gate, 30,000 Liberty, 30,000 Chateaux, 12,000 Sunrise, 5,000 Kaiserin, 5,000 Ivory, 1,000 La France. There are 175,000 carnation plants, a good many of them benched long enough to have got a good start in the new soil. Mr. Reinberg says he never had better plants at this season.

The whole north end of the place, the houses in which Golden Gate was grown the first year they had it, when it was such a winner, is given to Mrs. Lawson. It ought to be a sight about Thanksgiving time. Then comes the range, which was rebuilt this year. Nine old houses were pulled down and replaced by eight 27½x136. By building with the latest pattern of Garland's iron gutter, with iron posts, it was possible to economize two feet of space in each house, making a gain in bench room of eighteen feet, or a bench 18x136. With the gutter cast in eight-foot lengths there is also a saving of one-third the posts as compared with the use of the five-foot gutters. The white carnations are in this range, and beyond them is a splendid lot of Mrs. Nelson.

The new range put up this season is on the other side of Robey street, and it is a model of the new style construction, nine houses 27½x304, eight and one-half feet to gutters, fifteen feet to ridge. There are five four and one-half foot benches in the outside houses, and four five-foot benches in the other seven. There are fifty-six ventilators, 3x4 feet, in each house, twenty-eight on each side of each ridge. The Evans lifter is used throughout the place. The

new style iron gutter in eight-foot lengths is used in these houses. It is only four inches wide at the bottom, by three deep. The picture of the interior of the houses shows the gutter perfectly, the posts being so high that the camera caught nearly a full view of the under side of the gutter. It is notable that the purlins are about as much obstruction to the light as are the gutters. Mr. Reinberg says that recent heavy rains show that ample waterway is provided by outlets every sixty feet, through the posts and into the sewer. Belgian glass was used in part this year, but the saving in price is fully offset by the greater breakage.

Mr. Reinberg built his first house seventeen years ago, four small structures glazed with 10x12 glass. The first two years he grew lettuce, then tried a bench or two of carnations, and after two years more built four more houses 137 feet long. Since then he has added to the place pretty nearly every year, but he has always put in a wall plate, not a gutter, on the last house, being fully convinced he would never build again, but the wall plate has generally had to come out the next spring. However, it went in as usual this year.

SOCIETY OF AMERICAN FLORISTS.

Department of Plant Registration.

W. A. Manda, So. Orange, N. J., submits for registration Manda's Golden privet, a strikingly variegated sport from the California privet, *Ligustrum ovalifolium*.

E. Worden, Jamestown, N. Y., offers for registration geranium *The Mascotte*. Color delicate light rose without any salmon or magenta tint. Flowers semi-double; center blooms remain till cluster is fully developed. Habit, bedder.

WM. J. STEWART, Secretary.

CYCLAMEN.

Please tell me through the REVIEW if cyclamen should be set with buds this early in the season, and if they continue to throw up leaves after the buds begin to form.

SUBSCRIBER.

This will depend on when they were sown. If the seed was sown last October, or even November, and they have been grown with good care, they should now be

in 6-inch pots and would most certainly show the flowers nestling on the corm. As they would be expected to flower by November, this would not be too soon to see the flower showing. It takes two or three months from the time you first see the flower signs until they are fully expanded. If a few stray flowers are showing up, then it is a bad sign, indicating that the plants have had a check in some way. The cyclamen makes a few leaves at the same time that its flower stems show above the foliage.

I can't resist adding that a continuous shade or too bright sunshine are both bad for the cyclamen. Shade when the sun shines and remove it when it does not shine, and keep tobacco beneath them and syringe every bright morning. There is more in growing cyclamen than orchids.

WILLIAM SCOTT.

THAT LITTLE WHITE FLY.

Again comes a communication from S. C. C., asking for some death dealing blow to that small white fly or moth that deposits its eggs on the under side of a leaf, which they soon eat up. This time it is fuchsias that it is preying on, but it is often seen in houses where cucumbers, melons or tomatoes are forced. Tobacco has no effect on it. Fortunately it is many years since we have seen any of them, but I feel sure that they would succumb to the hydrocyanic acid gas, the formula for which has been very recently published in the pages of the REVIEW.

The same subscriber also asks: "Tell me the best remedy for mealy bug, which is so fatal to coleus." If this troublesome insect gets on palms, crotons, a fine stephanotis or plants of value, then syringe, or still better, sponge with kerosene emulsion. If it badly infests coleus, then the most expeditious and inexpensive cure is to throw away the coleus, or better still, burn them.

WILLIAM SCOTT.

A GOOD CATALOGUE.

One of the best printed catalogues of the season is the new and greatly enlarged edition by the John C. Moninger Company, Chicago, entitled "Perfect Greenhouse Construction." The cover is printed in three colors and presents a view of the establishment of Bassett & Washburn, at Hinsdale, Ill. The body pages show thirty-five half-tones of green-



Peter Reinberg's 1903 Addition, Nine Houses, 27½x304, Eight and One-half Feet to Gutters.



View in Center of Peter Reinberg's New Range of American Beauty Houses.

houses and ranges of greenhouses and the balance of seventy-eight pages is devoted to details of the various styles of construction. It is stated that the catalogue cost in the neighborhood of 80 cents a copy, but it will be sent free to any one who is sufficiently interested to send 6 cents to pay the postage.

HOTELS OF MILWAUKEE.

The following downtown hotels in Milwaukee are within five or ten minutes' walk of the convention hall. Rooms for convention week may be reserved at any time:

Aberdeen Hotel, Grand Ave.—Rates, \$10 to \$14 per week, American plan.

Hotel Atlas, Third and Sycamore Sts.—Rate, \$2 per day.

Hotel Blatz, City Hall Square—Rate, \$1 per day and upward, European plan.

Globe Hotel, Wisconsin and Cass Sts.—Weekly rates; American plan, \$10 to \$15; European plan, \$5 to \$10.

Kirby House, E. Water and Mason Sts.—Rates, \$2 to \$2.50 per day.

Hotel Pfister, Wisconsin and Jefferson Sts.—Rates, American plan, \$3 to \$5 per day; European plan, \$1.50 to \$3.50 per day.

Plankinton House, Grand Ave.—Rates, American plan, \$2.50 and upward per day; European plan, \$1 and upward per day.

Republican House, Third and Cedar Sts.—Rates, American plan, \$2 to \$3 per day; European plan, \$1 and upward.

Schlitz Hotel, Grand Ave. and Third St.—Rate, European plan, \$1 per day and upward.

St. Charles Hotel, City Hall Square—Rates, per day, one person, \$2 to \$3.50; two persons, from \$4 to \$6.

HEATING SURFACE.

We have four houses, 20x80, three in carnations and one in roses. The boiler is of the horizontal, return flue, Scotch marine high-pressure type, but we fear a defect in piping, as it does not do the work. We have 2-inch feed pipes, 1-inch in the coils and 1½-inch returns, two going in on one side of the boiler and one on the other. In all we have 2,500 to 3,000 feet of pipe.

The boiler is twenty-three horse-power and will carry 100 pounds pressure, but by the time we turn on all the houses we don't have more than five pounds of steam and in cold weather we cannot leave the boiler any length of time.

T.

I think a part of his trouble lies in a shortage of heating surface in the houses, as if there is glass on the roof only, there would be about 7,800 square feet of glass exposure, which would call for about 1,100 feet of heating surface, or roughly about 3,300 lineal feet of 1-inch pipe. If the correspondent is able to hold five pounds pressure at the boiler, with all pipes working, it would indicate sufficient boiler capacity for the present work. HENRY W. GIBBONS.

"SUN FLOWER" ASTERS.

Please give me the cause of so many asters showing the yellow centers, or, as we call them, "sun flowers." I was careful in buying what I thought was the best seed. One stalk may be all right, while the next to it will be all "sun flowers." Please explain in full.

H. H. G.

In my opinion this is a case of the aster, through some cultural defect, reverting back to its original form, and it is not at all uncommon. You may save seed from the very finest double flowers, but without good culture many of them will come as our friend describes. Some five or six years ago we had about a quarter acre of Semple's. They grew finely until the middle of July, when no more rain fell for two months. Our great expectations took flight and we did not pick one per cent of good flowers. We had no means of watering them and they were a complete

house and ranges or greenhouses and the balance of seventy-eight pages is devoted to details of the various styles of construction. It is stated that the catalogue cost in the neighborhood of 80 cents a copy, but it will be sent free to any one who is sufficiently interested to send 6 cents to pay the postage.

WILLIAM SCOTT.

MILWAUKEE.

Convention Preparations.

There is not much left to be said in regard to the coming convention that has not previously been told. The local committee has completed its plans for the reception of the visitors and it is now up to the good graces of the weather man and a large attendance to make it a complete success. The trade exhibit will be a great feature at the convention. Our spacious hall is well filled and it will be a grand display.

Those interested in the bowling will find here excellent facilities, and the prizes are numerous. A gold medal for each man on the winning team may be more satisfactory than cups, for every man in the winning team will have something to show for his skill. This prize is offered by the Milwaukee Florists' Club. The C. C. Pollworth Company offers six scarf pins for members of the second high team. Sargeant's restaurant offers a gold medal each for the men making greatest number of strikes and spares. John Evans offers a gold medal for high man in the individual class, J. F. Wilcox offers a fine umbrella for highest single score made during the tournament. The Citizens' Business League has voted \$25 in prizes, the awards to be designated by the bowling committee. Henry Weber will

offer a gold medal. F. Pollworth & Brother and Kurz Bros. have also donated trophies. Great interest will center in the Mussey \$25 prize, which will be contested for among the high men on each team and in the individual class, making it a championship game in the S. A. F. tournament. The ladies will have an opportunity to bowl Wednesday morning and their outing is planned for the afternoon. There will also be many points of interest to visit during their leisure moments. The hotels are numerous and there will be excellent accommodations for all.

C. C. P.

DETROIT.

Club Election.

The last regular meeting of the club was the annual one for the election of officers and it resulted in the election of Robt. Flowerday as president; Robt. Watson, vice-president; B. Schroeter, treasurer, and J. F. Sullivan, secretary. Everything points to a very successful year under the administration of the two "Bobs."

Detroit will be represented at Milwaukee by about forty delegates, who will go via the Grand Trunk to Grand Haven, thence by boat to Milwaukee, arriving on Tuesday morning at 6:30, and leaving here Monday evening at 5 o'clock, standard time. Geo. A. Rackham has the transportation in charge and has secured a special car, etc., and would like all florists to join us who can do so. If notified any time before 2 p. m. of Monday he will secure berth on steamer. The fare from Detroit and return, including berth, is \$9.65.

RAG.

PHILADELPHIA.

The Market.

The mountain weather which favored this city during the early part of the month had a beneficial effect on flowers. We really need mountain breezes to waft a little business this way. Alas, it is chiefly the rider on the white horse who comes now. Still there is a little activity at the Flower Market and the commission houses, though many of the employes are enjoying their vacations. The latest acquisitions are dahlias from W. P. Peacock, of Atco, N. J., who is sending in some flowers of Clifford W. Bruton, a fine yellow, a sort of all-the-season variety. Virtually the entire cut of this great dahlia specialist goes to S. S. Pennock.

Coal.

The coal situation showed a marked change during the past week. The anthracite dealers, finding that bituminous coal was replacing the small sizes of hard coal to an alarming extent, put down the price of that stock at the mines about 25 cents, making the price of buckwheat, the most popular florists' size, \$1.15 to \$1.25 a ton for the commercial grades. This is from 5 to 15 cents a ton higher than two years ago. At these figures most florists will find hard coal, if of fair quality, cheaper than soft, the first cost difference being about 90 cents a ton in favor of the former. Excepting in excessive cold weather, it is not probable that the soft coal will make up this difference by the additional heat given out. Possibly prices may decline still more, but in view of the unsettled

HOW TO GET TO THE Principal Places About Chicago.

The convention visitors passing through Chicago on their way to and from Milwaukee will wish to inspect the great greenhouse establishments for which this vicinity is famous. Below we give directions for reaching the various places from the center of the city:

Bassett & Washburn—Take C., B. & Q. R. R. at Union depot, Canal and Adams Sts., to Hinsdale, 18 miles; short walk to greenhouses.

Brant & Nee—Take C., M. & St. P. R. R. at Union depot, Canal and Adams Sts., to Forest Glen, 10 miles; short walk to greenhouses. Peterson Nursery half mile further on same road. Wittbold's new range at Edgebrook also accessible from here.

J. A. Budlong—Take Lincoln Ave. cable cars on Dearborn street; take transfer to Bowmanville electric; greenhouses close to end of line. The places of Weber Bros., H. Bauske, the Krutchens and others are close at hand.

Poehlmann Bros. Co.—Take C., M. & St. P. R. R. at Union depot, Canal and Adams Sts., to Morton Grove, 14 miles; greenhouses right beside the track. Morton Grove Greenhouses close at hand. Niles Center establishments accessible from here.

Reinbergs—Take Lincoln Ave. cable cars on Dearborn St.; take transfer to Robey St. electric, which passes the greenhouses of Peter Reinberg. George Reinberg's place one block to west. Walking west one comes to Bauske's, Budlong's and numerous others within a mile.

Welland & Risch—Take C. & N. W. R. R. at Wells St. depot to Evanston, 12 miles; or take Clark St. cable on Dearborn St. and transfer to Evanston electric.

Wiator Bros.—Take No. Clark St. cable cars on Dearborn St., and transfer to Evanston electric; get off where car turns north from Devon Ave. and walk west over the hill. Close at hand are the places of M. Winandy, Jno. Munro, Adam Zender, Sinner Bros., the Beckers, and many others.

Geo. Wittbold Co.—Take Clark St. cable cars on Dearborn St. and transfer to Evanston electric, which passes greenhouses at North Halsted and Buckingham Pl. New range at Edgebrook, 11 miles on C., M. & St. P. R. R.

Joliet—At Joliet there are the places of the Chicago Carnation Co., Jas. Hartshorne, Mgr., and the J. D. Thompson Carnation Co. Joliet, 40 miles, is reached by frequent trains on the C., R. I. & P. R. R., station at La Salle and Van Buren Sts., on the elevated loop. The greenhouses are some distance from the depot; visitors will be met with a carriage if they give notice as to hour of arrival.

conditions at the mines, it seems good policy to buy now.

Some New Ideas.

M. Rice & Co. have been devoting their energies to making certain things that they are confident will fill long felt wants of the florists. For this purpose Mr. Rice postponed his European trip and he is justly enthusiastic over the results obtained. The first domestic novelty, one which seems destined to play an important part in the work of the decorator, was the willow screen. It stands five or six feet high, about three feet broad, and comes in either open work or closely woven. What an acquisition! Every decorator knows how often he wants to hide an ugly corner, to conceal an orchestra, or what not. Perhaps room is an object, or it is bitter cold, so that plants are not the thing, then here are these screens. Tie several together, drape with some graceful green, fasten on a loose bunch of effective flowers, and presto! it is done.

The basket stands for plants have been greatly improved. One of these filled with a handsome specimen Boston fern should prove well nigh irresistible. Next came a collection of dainty little stands, basket work with wooden top, just the sort of tasty little thing that finishes off an effective decoration when used here and there to support a handsome jardiniere tastefully filled.

Then there were urn-shaped baskets of "green straw" made in sizes to fit fiber vases, so that the busy florist can just drop in one of his store vases, flowers and all, when he wants to show a customer how it will look, a kind device truly, that means good-by to all frantic rushing around to find a vase that will fit. The decorator will be further assisted by combination plant stands holding a specimen on high with four smaller plants below; airy hanging baskets, tin or foil lined; a wonderful reversible plant stand and pedestal, which must be seen to be appreciated, and ever so many other fetching things.

Then there are increased ribbon cases filled with all styles, from 12-inch sashes to 1/8-inch showers, also object lessons in the use of so called Porto Rican mats and in the once well known immortelle wreath, revived and adorned in new attire. Mr. Rice is to be congratulated on the good work his firm is doing for the advancement of our calling. Rice & Co. are preparing a grand catalogue, to be issued in a month.

Notes.

H. Bayersdorfer has returned from abroad, bringing in his train many interesting novelties which the REVIEW hopes to describe when they are safely unpacked. Paul Berkowitz has gone west to arrange his firm's large exhibit at Milwaukee.

Samuel S. Pennock and Mrs. Pennock sail for Liverpool from this port on the steamer Haverford, Saturday, August 15. Mr. Pennock's many friends wish him a pleasant vacation.

The fine canna display at the August meeting of the club was enjoyed among others by Mr. Seeger, of Hartford, who is staying in this city. He brought letters of introduction to George Huster, of Girard College, and, I think, to O. B. Paul, of Fairmount Park.

George Anderson is rapidly pushing the work on his new rose house, one of the largest in this city. Mr. Anderson has been very successful with Bridesmaid. He has increased his planting of this rose.

The firm of D. Landreth & Sons, seedsmen, propose devoting their attention to their wholesale business, relinquishing their retail department after September 1. The street has it that both Peter Henderson & Co., of New York, and J. C. Vaughan, of Chicago, are considering locating in this city.

John F. Andre, of Doylestown, has built two new houses this season. Mr. Andre has been ill. He is recuperating at Wildwood, N. J.

C. A. Dunn spent a few days among



Peter Reinberg's Force of Greenhouse Employees.

the carnation growers near Oxford and in Chester county lately.

The Lord & Burnham Co. have, through their indefatigable agent, D. T. Connor, secured the contract for constructing and heating a rose house 100x19 feet for Richard E. Lange, of 7001 Ridge avenue.

Charles Gray, formerly with Dumont & Co., has returned to Leo Niessen.

Richard Umphried, of the Flower Market, is back from his vacation.

Ralph G. Sheigley, lately with S. S. Pennock, will on Monday commence work with Leo Niessen.

Robert Scott & Son are sending in some of their new rose, Florence Pemberton, to Samuel S. Pennock.

Better go to Milwaukee and cheer for our bowlers. PHIL.

BUFFALO.

Club Picnic.

We can't afford much space for business this week, as the picnic will take up all available room. It did not rain on Wednesday last, so the adjourned picnic came off, not with such an attendance as there would have been if Tuesday had been fair, for all adjourned events are sure to suffer; but still there were about 100, young and old, and the verdict of all was that it was the banner affair of all the club's picnics, and this is due largely to the well laid plans and most excellent work of the committee, Charles H. Keitsch, Rowland B. Cloudsley, W. A. Adams, Emile Brooker and Fred B. Lewis. Gardenville is an ideal place for such a party as ours. There are shady seats for the old and infirm, a fine hall for the two-step, a well kept diamond and field for the young athletes, a bowling alley, a dining-room, a commodious and well stocked—well, everything that you would want at a picnic. The officials of the sports were W. F. Kasting, starter; Captain Braik and Prof. Cowell, judges; Lewis H. Neubeck and R. Cloudsley, handicappers; W. Scott, announcer; Willie Donaldson, general utility man, and William Heuson, chief rooter.

The sports began with a well contest-

ed game of baseball, West Side against the East. The western men were drawn from anywhere this side of Erie, Pa., and the east extended almost to Syracuse. But if the west did win by one run, there was the best of feeling. The battery for the east was composed of Mathewison Weise and David Corfu Scott; for the west, W. Belsey Scott and Robert Burns Scott. The playing was so brilliant all around that it would be impossible to speak of anyone in particular. The umpiring of Wm. Kasting was perhaps the best feature. The 100-yards dash was won by Deerfoot Reichert, the prize a house and lot on Dorchester avenue. In the old man's race Geo. McClure won first prize, a thousand pieces of ornamental wall paper. The race on all fours, 50 yards, brought out brilliantly the peculiar talents and conformation of good old Joe Neubeck, and he looked so much like one of the large anthropoids running from one tree to another that a farmer looking over the fence wanted to shoot at it. The prize was a copy of Huxley's "Descent of Man." The quarter-mile race was won by the same speedy Mr. Reichert and the prize was ten shares in N. Y. C. R. R.

The ladies' race of 75 yards was a very close affair and was won by a nose by Mrs. Bailey. The prize was a celluloid baby carriage. The track, however, was heavy, and if it had been fast Mrs. W. F. Kasting would have won. She was heavily backed for the place, however, and pulled out her backers. This race gave the starter much worry, as the majority of the contestants were maidens and quite fractious at the post and there was considerable backing, rearing and bumping before the barrier rose. Next year I would advise all starters in the race to wear blinkers, so that they wouldn't see who their neighbor was.

The sack race was won by W. B. Scott with both feet through the bottom of the sack. The prize was a box of "Greenhouse Perfectos." The potato race, a very amusing but exhausting event, again went to the swift, Mr. Reichert, and the prize was a bottle of Wilson Family Disturber. The hop, step and jump went

to Wm. Greever, with a fine effort of thirty-nine feet, the prize being a fine kodak. The broad jump was won by David Scott, of Corfu, with nine feet and ten inches; the prize was a gross of corn brooms and a week's meal ticket at Maplehurst. The three-legged race was won by Messrs. Weiss and Reichert. The prize was two bottles of elderberry wine. The one-legged race was won by Mr. Slattery, the prize four cases of Dr. Pierce's Golden Medical Discovery. Now I pause to say that Mr. Slattery, late of New York and now of Byrnes & Slattery, of our city, is an athlete and an all-around good fellow. Half a dozen like him make a picnic an assured success, and if he had had running shoes instead of stockings, he would have given all his competitors a posterior view of himself in several events. He is an acquisition to our club.

A shoe race was won by one of W. J. Palmer & Son's juvenile assistants, name not given, and this ended the sports, after which appetites were appeased. Then the music started the waltz, the rattle of the pins was heard and a select few took a vocal exercise. The sentimental singing of Jake Bailey is alluring—a treat—and the duets by he and Charlie Kanitch are most enjoyable; but of all the vocal efforts the song by Charlie was the thing. The words were Peking Chinese and the air Hiawatha. Finally, there was not an unpleasant incident during the whole day to mar the enjoyment and everyone got home, even if some don't remember how. I forgot to mention that there were good second and third prizes for every event and scarcely a contestant but that earned something. Strange to say that "Old Hoss" Warring won for second prize in the old men's race, a beautiful German stein holding at least a quart. How touchingly appropriate! And now we hear frequently the pathetic appeal, "Kind sir, won't you fill my stein?"

To the Convention.

I don't know that I have mentioned before that the Buffalo delegation to Milwaukee will leave here via the Wabash on Sunday at 8 p. m., arriving in Chicago on Monday at 10:30 a. m. If

we get eighteen to go we will have a sleeper to ourselves. Secure tickets of W. F. Kasting, our well known commission man, and join us. When we get to Chicago we trust that some of them there will show us the road to Pabstville. W. S.

CHICAGO.

The Market.

There are more good Beauties now available, several growers getting fair cuts from young stock, but of course stems are not yet very long. Brides and Maids are not increasing in supply as rapidly as might be expected, possibly due to the cool weather, and good roses are still hard to find. Some growers are getting a second cut of Kaiserin of very good quality. Golden Gate is the most plentiful rose. Carnations from the field are coming in heavier every day, but not in quantities to seriously affect the market.

Asters are in heavy supply, but there are scarcely any whites, and, on the whole, the quality is very much below par. Gladioli are too plentiful, and the same may be said of rudbeckias, hydrangeas and all the outdoor flowers; while large quantities are sold, yet not all the daily receipts find a buyer. The Easter lily is about out of the market, but there are auratum of all degrees of quality. Valley is very good. Green goods of all classes are abundant, except green galax, which is out.

Convention Entertainment.

The plan is to take the S. A. F. members in hand at about 2:30 Friday afternoon, August 21, on their return from Milwaukee. Headquarters will be established in the wholesale district and open house will be kept until 6 o'clock, when the guests will be escorted to the Auditorium for supper, after which everybody will go to the concert at the Coliseum garden. Plans are being made to entertain not less than 800 and it is the understanding that the Milwaukee boys will provide transportation back to the convention city for those who must start their return journey from there, so that everybody can come down for the Chicago affair.

Various Notes.

Stocks of greenhouse glass are pretty well cleaned out, but local dealers expect to have enough to last until new glass is being made, in September. One of the leading houses says that 65 per cent of the calls now are for 16x18. The present market is about \$4.28 on small lots of D. S. A.; \$3.80 on car lots; \$4.10 on B. in small lots; \$3.64 by the car.

Coal contracts are being made at an advance of from 30 to 35 cents a ton over last year's contract price. This makes a big difference where from 2,000 to 10,000 tons are burned, but the dealers say the cost of mining and transportation has advanced nearly the full amount of the raise.

O. P. Bassett and Mrs. Bassett are at Lake Minnetonka.

This has been a great growing season. The carnations in the field all did splendidly, and on being moved indoors took hold of the soil in fine shape. The chrysanthemum plants, too, are making good growth with all the growers in this neighborhood. It has been a particularly favorable summer for those who benched

Mrs. Lawson carnations direct from the pots.

Misses Nell M. Sisler and Lillian Tonner, of E. H. Hunt's, are at Niagara Falls this week.

Sam Pieser has sold his store at 387 North Clark street to Ackerman & Co. Mr. Pieser will have no further connection with the trade.

J. P. Brooks has assumed charge of the Weiland & Risch establishment as foreman.

Mr. and Mrs. Peter Reinberg, George Weiland and Mr. and Mrs. P. Olinger went to Newcastle Tuesday evening for a few day's visit with Peter Weiland.

Mrs. Horton, of Bassett & Washburn's, leaves Saturday for two weeks in the east.

Alois Frey, until recently in business at Hartford, Conn., is to become assistant to C. J. Stromback at Lincoln Park.

Visitors.

J. W. Davis, Morrison, Ill., and A. J. Stahelin, Sand Hill, Mich., buying building materials; John G. Heintz, Terre Haute, Ind.; Miss Martin, of L. L. Lamborn's, Canton, O.; Fred. Breitmeyer, Mt. Clemens, Mich.; Wm. H. Donohoe, with Thomas Young, Jr., New York; Carl Erickson, Princeton, Ill.; S. M. Wyeth, Watseka, Ill.

BOSTON.

Everything is sailing along as smooth as a button. The output has been depreciated by rainy weather, but there is enough of everything to fill all orders unless it may be on the colored carnation side of the house.

Negotiations seem to be progressing better in the Sutherland bankruptcy matter than in those almost immediately preceding. At the second meeting of creditors the committee recommended the acceptance of 25 per cent in cash, a note of nine months for 15 per cent and another of a year and a half for 10 per cent, making 50 per cent all told. This being the best that can be done in their estimation, and agreed upon on his part, it is hoped all hands will sign papers which have been forwarded to them and push this settlement along to a quick finish.

Jack Minton is out with another business card. This time it reads: "Tobin & Minton, undertakers." If there is anything illegal about that, I guess the "Judge" knows it and I presume the same might have been said in regard to the affairs of the N. E. Cut Flower Company. J. S. MANTER.

ST. LOUIS.

The Market.

Trade in cut flowers still retains its summery conditions, and the report from several of the large retailers is "exceedingly quiet." The recent rains put all outdoor stock in fair shape. The early part of last week there was a greater demand for white flowers than at present, on account of extra funeral work. The stock in roses continues to come in very poor, Kaiserin being about the best. Golden Gate and Meteor are also of fair quality. Bride and Bridesmaid are very poor. The best of these bring \$5 per 100, while the poor ones hardly bring over \$2. No good Beauties are in the market. The demand for roses is very good, but

they must be of the first quality to sell well.

There are some good field-grown carnations in the market, especially Mrs. Fisher. The bulk of the carnations that come in are small and with very short stems, which do not sell well at any price. The best long-stemmed ones bring \$1.50, while 50 cents per 100 is all the shorts bring. Good valley continues to come in at the usual price. Of the general outdoor stock tuberose stalks and asters sell the best. The asters that come in are not of as good quality as they should be at this season of the year. Tuberose stalks are selling well at \$4 and \$5 per 100. Gladioli, hollyhocks, hydrangeas and candytuft come in by the thousands, and are having a slow sale at cheap prices. Some good smilax was offered at \$15 the past week.

Various Notes.

The great wind and hail storm of last week, Wednesday, caused considerable damage about town to trees in the parks. The hail was not large enough to do much damage to greenhouses. Some damage to outdoor plants was reported by several of the florists, and C. Juengel lost a little glass.

J. F. Ammann, of Edwardsville, Ill., reports the loss of about 300 feet of glass by hail on Tuesday, August 4.

Theo. Richter, a florist of Kirkwood, was killed on Wednesday last at the World's Fair grounds during the wind and hail storm. Mr. Richter was at one time a member of the club. He leaves a wife and five children to mourn his loss. The remains were taken to Washington, Mo., for burial. The family has the sympathy of the craft.

John Young and family left last Thursday for Atlantic City, N. J., for a month's recreation. John will visit New York and Boston before returning home.

Harry Young is away for a week's hunting trip in Franklin county. Harry is one of the crack shots among the florists and never comes home empty-handed.

George Ostertag was thrown from a street car one day last week and received painful injuries about the head and arms, from which he is recovering fast. Brother Fred has taken his place during his absence.

Charlie Schnelle, with M. M. Ayers, is on his vacation. After seeing the sights in East St. Louis and Belleville he will return and let Wil Adels go with the St. Louis party to Milwaukee. Mrs. Ayers is reported somewhat better and out of danger.

Otto Heineken, who represents Bobbink & Atkins, of Rutherford, N. J., is now stationed out at the World's Fair grounds. Otto likes St. Louis, and expects to stay here until after the World's Fair is over.

Fred C. Weber returned Monday from French Lick Springs much improved in health. Mr. Weber will go with us to Milwaukee, accompanied by his wife, daughter and niece, Miss Dora Weber.

Mrs. C. C. Sanders and her two daughters, Misses Laura and Jessie, returned Saturday from a three weeks' trip down the Tennessee river. They report a pleasant time.

Convention Talk.

Convention matters are being discussed, and you often hear the question asked, "Are you going to Milwaukee?" The arrangements for the trip are complete. Vice-president Juengel, who has the mat-

ter in charge, sent out a neat circular explaining all about the trip, in which he says the St. Louis delegation will leave Sunday, August 16, at 9:05 p. m., via Wabash railroad, in a special sleeper for its exclusive use, arrive in Chicago at 7:30 a. m. Monday, and leave Chicago for Milwaukee Tuesday morning. The return tickets are good until August 25, and will admit of a short stop-over in Chicago if desired. A pleasant trip is expected, and those who have failed to send in their names should do so at once and secure a berth on the St. Louis special sleeper to Chicago. The transportation committee has now some thirty-five names of persons who will make the trip to Milwaukee.

Bowling.

The bowling club held its last practice games Monday night. A new set of pins was used and the score below will show what was made by the team that will represent St. Louis at Milwaukee next Wednesday afternoon. The club has discovered a new florist bowler who is said to be a "crackerjack," but never made it known. He will be at Milwaukee and may roll with the team. His name is Vincent Gorley, who has a store at Fifteenth street and Cass avenue.

Player—	1st.	2d.	3d.	Tl.	Av.
Beneke	200	156	184	540	180
Kuehn	154	160	223	537	179
Guy	144	183	157	484	161
Adels	136	154	177	467	156
Miller	152	143	145	440	146
Schray	130	140	130	400	133

Extra men—	1st.	2d.	3d.	Tl.	Av.
F. M. Ellis	124	141	126	391	130
F. C. Weber	123	115	...	238	120

J. J. B.

NEW YORK.

To the Convention.

Four days more and the New Yorkers and their neighbors will begin their journey to the Cream City. Sunday at 1 p. m. the exodus begins. That it will be a happy party needs no assurance and that it may total 100 is our ambition. Before this issue of the REVIEW reaches your eastern subscribers on Saturday morning the members who will go will be definitely known. There will doubtless be a few stragglers who will get into the ark at the eleventh hour. It will certainly be a disappointment if fewer than 100 materialize when the hour for departure arrives. It is hard to understand why anybody with any love for his profession and for the grand old Society of American Florists can possibly stay away if by any means he can arrange to go. The fact is that there should never be a smaller attendance than 2,000 at any of these annual reunions. That this year may see these figures excelled is the desire of the generous men of Milwaukee who are doing so much to make this convention memorable. Just as I expected, it was necessary only to make the announcement of the prize bowling requirements to have generous offers from every part of the country. Mr. Pollworth has already given a list of donors that includes many of the best known horticulturists, and I have no doubt that by the day of the bowling competition the number will be largely augmented. The evening entertainment to follow the president's reception is now assured. Some of the most popular members of the society will take part in it. I predict it will be a crowded house and an appreciative one. The Milwaukee club deserves

all the appreciation and encouragement it is possible for the society to give, and in no more practical way can this be demonstrated than by a record breaking attendance. The west will do its duty in this respect and the east cannot afford to be outdone in courtesy and numbers. It will be a great host that marches into the beautiful city by the lake next Tuesday.

With the Seed Houses.

The downtown seedsmen are taking advantage of the summer dullness and renovating their establishments, so that with new coats of paint and general refurnishing they begin to look in readiness for the busy fall season so close at hand. Meantime they are running with light forces and enjoying the well earned rest that should always follow a strenuous season. Charles Henderson has just returned from his European trip in excellent health. Patrick O'Mara has wisely deferred his outing until next week and will combine pleasure and recuperation at the Milwaukee convention. Mr. Walter, of the Stumpp & Walter Co., is having his usual vacation with his family up in Maine. C. H. Joosten takes the ocean trip to Portland next week and will have a couple of weeks of ozone in northern New England.

Various Notes.

Charles Carl, of Thorley's has July and August in which to forget business and build up for his arduous ten months' purchasing responsibilities.

James McManus has completed the improvements in his store and handsome oak finish gives the place a decidedly metropolitan appearance.

Mrs. Lairn, bookkeeper for Traendly & Schenck, leaves next week for her annual vacation in the mountains. Thomas Martin, of the same establishment, has been at the Thousand Islands, and Fred Klinge has enjoyed a rest at Rowayton, Conn.

Alex Guttman is comfortably settled in his new home on West Twenty-ninth street, and devotes the entire basement, which has been enlarged, to his wholesale business, an especially convenient arrangement. He is handling immense quantities of gladioli, receiving large daily shipments from the leading growers. He will be with the New Yorkers at the convention. The father of Mr. Guttman met with a serious accident last week by falling down stairs, the eldest son of Mr. Guttman taking the fall with him, but escaping serious injury by a miracle.

August Gaedeke, of Nashua, N. H., was in the city Monday with his brother Albert, of Perth, Scotland. Both gentlemen will be at the convention.

John I. Raynor and Mrs. Raynor have been spending a week at Atlantic City.

Mr. Houghton, of Houghton & Clark, of Boston, with his family, were visitors in the city last week.

Hitchings & Co. are building a 100x24 house in upper New York for A. N. Towell, the florist of Fort Washington avenue.

W. G. Gomersall, of Poughkeepsie, is starting in the florist business at West Nyack, N. Y.

William Tricker has been appointed gardener to W. H. Vanderbilt, Jr., at Great Neck, L. I., and has assumed charge of this splendid estate, where he will have abundant opportunity for the demonstration of his "water garden" ability.

Retailers, notwithstanding the dull season, continue their attractive window displays, and Small's is as brilliantly lighted as in mid-winter every evening.

The Pierioni fern has arrived and promises to be very popular. Doubtless September will see every bon-ton store stocked with a generous supply. During the summer the Anna Foster has won golden opinions as a keeper and for its gracefulness, and many of the window decorators have utilized it and find its good qualities quite equal to its parent, Bostoniensis. The immense greenhouse at Scarboro, which Mr. Pierson erected last year, has been entirely devoted to Pierioni, and with its stock of well developed plants for the retail trade is a wonderful exhibit. Some indication of its beauty will be realized by the firm's display at Milwaukee.

The event of the week is the Astor ball at Newport. Hodgson sent a carload of supplies for it from New York, and many hundreds of American Beauties. The tables are to be decorated with orchids and lilies of the valley. Palms and electric lights innumerable will add to the grand effect. The Newport florists are all busy with dinners, and engagements are looked for into September.

E. W. Bliss, of Bay Ridge, Brooklyn, died suddenly a few weeks ago. He has long desired to have his beautiful property, which commands a view of New York harbor, preserved by the city, and it is now announced that it will become one of the Brooklyn parks. There are splendid greenhouses on the estate and it will become one of the favorite resorts of the metropolis. The aggregate of acres comprising the parks of New York totals nearly 7,000.

Wm. Griffin, landscape superintendent for Alex McConnell and formerly manager of the Sloan estate, met with a serious accident last week, while directing the work at the Carnegie gardens. He fell from a ladder and broke several ribs.

John Lewis Childs sends me some grand spikes of gladioli. He is marketing great quantities.

J. AUSTIN SHAW.

OMAHA, NEB.—The contract is shortly to be let for the new greenhouse at Forest Lawn cemetery. The building is to be iron-frame, 30x30, with two wings 20x50 feet.

PITTSFIELD, MASS.—Thomas B. McClunie, who died recently at Hartford, Conn., is said to have built the first greenhouse ever put up in Berkshire county. He laid out many estates in this neighborhood and along the Hudson.

PINE BLUFF, ARK.—A. A. Harper reports summer business dull here, for the community is healthy and there is little funeral work. Lots of outdoor stock goes to waste. Building material is too high for much of an increase in glass here this year.

CHAMPAIGN, ILL.—John Porte, chief florist for the Illinois Central Railroad, has done a great deal of good bedding work at the station grounds along the line. The three greenhouses 20x120 turn out a great deal of stock. Gus Johnson, his assistant, was gardener at the Insane Hospital at Anna, and August Wagner, another assistant, was for years with E. A. Kanst, in the South Park system, at Chicago.

It's up to you

To come to the Convention

Where **M. RICE & CO.** will have on Exhibition
the Finest and Largest Display of **NOVELTIES** in
Florists' Supplies and Ribbons Ever Made.

LOOK US UP--MONEY MADE AND SAVED.

M. RICE & CO.

LEADING FLORISTS' SUPPLY HOUSE.
RIBBON SPECIALISTS.

918 Filbert Street,

Philadelphia, Pa.

ST. PAUL.

The Picnic.

On Wednesday, August 5, the florists of the Sainly City held their annual outing at Wildwood, White Bear Lake, and pretty nearly every one belonging to the craft, male and female, was there and had the most hilarious time on record. The committee, composed of Messrs. O. Olson, Carl Vogt and C. A. Hanson, worked hard to make it a success, and the many races and contests came off finely, without a hitch or misunderstanding. The prizes were fair donations from different firms connected with the business, directly and indirectly, and were all accepted with grace by the winners. The prizes and the names are too numerous to mention singly, so we will pass that. Of course the pie-eating contest of the senior florists furnished a lot of fun and laughter. Some of the more hairy faces looked anything but nice.

In the afternoon more florists with their spouses and friends came and enjoyed the different sports on the ideal picnic grounds. At 5 o'clock a ride on the steamer across the lake was taken by all. On the other side of that beautiful sheet of water a halt was made at Ramaley's pavilion, the machines were greased, the boys were watered at the nearest inn and the ladies were served with ice cream free by J. Ramaley, the well known Nestor florist, who is entitled to many thanks from the committee. After this trip the day was finished with dancing and other amusements, and it was late, very late, when the last florist reached home. On the

whole, the affair was a success; and it was our first picnic single handed, that is, without Minneapolis.

C. BUSSJAEGER.

GOLD MEDAL FERN.

The following is an extract from the report of the committee on plants, from the Transactions of the Massachusetts Horticultural Society for 1902:

By far the most important and remarkable new plant that has been shown before the society for many years was placed on exhibition at the March show by the F. R. Pierson Company, of Tarrytown, N. Y., and was shown under the name of *Nephrolepis Piersoni*. It originated with them as a sport from *N. exaltata Bostoniensis*, and is very interesting botanically as well as of great value commercially. Instead of the fronds being simply pinnate, as in the original form, the pinnæ have become divided, making the fronds twice pinnate. At the same time, the power of indefinite extension of the tips of the fronds, a characteristic peculiar to *nephrolepis*, seems to have been communicated to the pinnæ, thereby making the fronds of great width and beauty in a well developed plant. The Pierson variety was so remarkably distinct, and at the same time of so much commercial value, that we considered the plant worthy of the highest award offered by the society; we therefore awarded it the gold medal.

MILWAUKEE, WIS.—The C. C. Pollworth Co. has put up three houses this year and will now add two more 23x256 for carnations.

PEKIN, ILL.—George A. Kuhl and family are at Fontana, Wis.

WANT ADVERTISEMENTS.

Advertisements under this head one cent a word, cash with order. Plant advertisements NOT admitted under this head.

Every subscriber is entitled to a free situation wanted or help wanted advertisement not exceeding 35 words in any one issue during the year. If the advertisement exceeds 35 words, send at the rate of one cent for each additional word.

When answers are to be addressed in our care, add 10 cents for forwarding.

WANTED—Working foreman for commercial place, 13,000 feet glass. Must be a good grower of roses, carnations, mums and bedding stock; a good designer and decorator. Good wages and steady employment to reliable man. Send references. McKellar Greenhouses, Chillicothe, Ohio.

WANTED—At once, a sober and reliable man who understands growing of carnations. Good wages and steady employment to reliable man. M. Wetland, 602 Davis Street, Evanston, Ill.

SITUATION WANTED—Young Swiss, competent man, wishes situation with good florist or landscape gardener; southern states preferred. Can furnish No. 1 references. Address No. 152, care Florists' Review, Chicago.

SITUATION WANTED—As manager of small place by an experienced grower. Address No. 153, care Florists' Review, Chicago.

SITUATION WANTED—By single man with 8 years' experience, 5 years in present position. Capable of taking full charge. No. 154, care Florists' Review, Chicago.

SITUATION WANTED—By a competent florist as foreman or to take charge of rose or carnation section; good plant grower; also good designer. A life experience. Can furnish good references. Sober and reliable; age 38; German-American. Address R. K., 23 Umatilla St., Grand Rapids, Mich.

FOR SALE OR RENT—Greenhouses, 6,000 ft. glass, fine location—722 N. 64th Ave. Enquire of Frank June, Oak Park, Ill.

FOR SALE—A bargain—Boiler (25 H.-P.) half front and fixtures complete, in good working order. Sam. Van Bochove, Kalamazoo, Mich.

This is Headquarters

For all CUT FLOWERS in season.

GREEN GOODS A SPECIALTY.

Make it YOUR headquarters while in Chicago.

E. C. AMLING,

The Largest, Best Equipped and Most Centrally Located
Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St.,

Long Distance Telephones 1909 and 1977 Central.

Chicago, Ill.

Mention Review when you write.

WANTED—A florist for store; good make-up, general knowledge of business. Wages, \$14 per week the first year. When applying give references. John Reck & Son, Bridgeport, Conn.

FOR SALE—Cheap for cash—A good second-hand boiler for 3,000 feet of glass; about 1000 ft. of 8x10 and 11x13 glass and bars enough to make greenhouse 100x14. tank, etc. Th. F. Van Der Meulen, Dunkirk, N. Y.

WANTED—A good all-round grower on place of 8,000 feet glass. Roses main crop. Single man preferred. Good wages to the right man. Address J. W. Renz & Son, Peru, Ind.

SITUATION WANTED—By a first class florist, as grower or foreman, 30 years of age; life-long experience in pot plants and cut flowers; good designer; far west or south preferred; party who cannot pay fair salary need not answer this adv. Address No. 156, care Florists' Review, Chicago.

SITUATION WANTED—Where roses and carnations are grown; two years' experience; am single and strictly sober; willing worker; state wages without board. Address No. 155, care Florists' Review, Chicago.

WANTED—An up-to-date florist's wagon, glass sides, in good condition; will pay cash. Write A. B. C., care J. Austin Shaw, City Island, N. Y.

FOR SALE—Some extra good second hand 3-in. pipe, guaranteed sound, 6c per foot; also some 12x12 and larger double thick glass at \$2.75 per box. W. H. Salter, Rochester, N. Y.

FOR SALE—6-inch No. 30 Wilks hot water boiler, with stack complete, used only three months. A bargain for cash. James W. Dunford, R. R. No. 1, Clayton, Mo.

SITUATION WANTED—Strong, willing boy, 19, with florist in or near Chicago preferred; used to field work; references. No. 151, care Florists' Review, Chicago.

SITUATION WANTED—An experienced salesman and designer open for engagement on or before Aug. 1st; first-class store on y. State wages. Address No. 145, care Florists' Review, Chicago.

WANTED—Two or three men for carnations and roses. Bassett & Washburn, Hinsdale, Ill.

WANTED—For a commercial place, a competent and reliable florist, married man. Address J. J. Beneke, 1220 Olive St., St. Louis, Mo.

WANTED—Position as traveller for a first-class horticultural firm in any line or as foreman. Years of experience. Best of reference, Jas. Vick's Sons, Vick & Hill Co. and others. Address A. F. Vick, Barnards, N. Y.

WANTED—Three experienced rose growers who know their business and will work to merit advancement. Good salary paid if ability is shown. Poehlmann Bros. Company, Morton Grove, Cook Co., Ill.

FOR SALE—Pair of first-class tubular steam boilers, 10 feet long, 36-inch diameter, in first-class condition with heavy full blast iron fronts. Grates and all appurtenances and belongings, f. o. b., \$250. If taken at once. Aug. 3. Swanson, St. Paul, Minn.

WANTED—Young man with some experience in general greenhouse work. Permanent place and good wages paid. Address No. 123, care Florists' Review, Chicago.

FOR SALE—One hot water boiler; will heat 8,000 feet of 4-inch pipe; price \$75 f. o. b. Chicago. George Reinberg, 301 Balmoral Avenue, Chicago.

FOR SALE—Two boilers, one cast iron, one water tube, in good order, for 2500 and 4000 ft. of glass respectively. \$60.00 each. Dann & Son, Westfield, N. Y.

FOR SALE—Cheap for cash, second-hand 4-in. cast iron pipe and fittings. Good condition. Address Cole Bros., Box 577, Peoria, Ill.

FOR SALE—About 3,000 feet of 2-in. pipe in first-class condition, 7c per foot, f. o. b. H. B. Lee, Bedford, O.

FOR SALE—Greenhouse property, about 4000 ft. glass, well stocked, everything up-to-date, close to the finest cemetery in eastern Ohio. For particulars call or address W. S. Taggart, St. Clairsville, Ohio.

FOR SALE—Greenhouses; northwestern Illinois; town of 400; two large lots, sloping south; three greenhouses and stock; city water; drilled well; fruit; six room residence. Established trade, two railroads. Send for particulars. No. 137, care Florists' Review, Chicago.

FOR SALE—The Florence Greenhouses, nearly 3000 feet of glass; completely stocked with general line of plants; good stock of supplies. Good stock hardy plants outside. Hot water heat; splendid trade; best town in Colorado; no competition. \$1000 cash takes it. Worth \$3000. Immediate possession. Templin & Co., Florence, Colo.

FOR SALE—New greenhouse material as follows: New 2-in. black pipe, long lengths, 10 cts. per ft.; 6x8, 50 ft. boxes, American glass, single, \$2.25 per box; 6x8, 50 ft. boxes, American, double, \$2.70 box; 6x8, 100 ft. boxes, French, single, \$4.00 box; 8x10 single French glass, \$4.50 per 100 ft. box; 12x14, 16x18, 14x14, 50 ft. boxes, American glass, double, \$3.60 box; 12x12, 10x14, 50 ft. boxes, American glass, single, \$2.40 box. Clear gulf cypress greenhouse material, and everything for building. Send for prices. S. Jacobs & Sons, 1365 to 1375 Flushing Ave., Brooklyn, N. Y.

For Sale. Florist store; centrally located; established 20 years. Will sell stock and fixtures with good will at a sacrifice. For further information address Mrs. J. Wolff, Ridge Ave. and Dauphin St., Philadelphia, Pa.

FOR SALE a Market Garden producing Flowers, Fruits and Vegetables.
HENRY HOUGHTON, Peotone, Ill.

The Annual Meeting of the "FLORISTS' HAIL ASSOCIATION OF AMERICA," will be held at Convention Hall, Milwaukee, at 3 p. m., on Thursday, August 20, 1903.

JOHN G. ESLER, Sec'y.

AMERICAN BEAUTY, Per doz.
20-inch stem.....\$1.50
15-inch stem.....1.25
12-inch stem.....1.00
Short stem.....\$4.00 to \$6.00 per 100

Per 100
Brides and Maids.....\$3.00 to \$5.00
Meteors and Gates.....3.00 to 5.00
Kaiserins.....3.00 to 8.00
Carnations.....1.00 to 2.00
Asters.....1.00 to 2.00
Auratum Lilies, per doz., \$1.25 to \$1.50
Gladioli.....3.00 to 4.00
Valley.....4.00
Marguerites......40 to .50
Asparagus, per string, 25 to 50c.
Asparagus Sprengeri.....2.00 to 5.00
Ferns...per 1000, \$1.25......15
Galax.....1.50......15
Adiantum......75 to 1.00
Smilax.....per doz., \$1.25.....8.00

Subject to change without notice.

WANTED, First-Class Carnation Grower

to take charge of section; good references required as to ability, character and sobriety; wages \$60.00 per month.

THE J. A. BUDLONG & SON CO.,
171 Canal St., Providence, R. I.

....FOR SALE. ..

Gorton side feed steam boiler, No. 138 (largest size) for hard coal, in good condition, used only two winters. Robt. M. Schultz, the extensive and well known florist of Madison, N. J., testifies that a No. 137 (one size smaller) heated for him 15,000 sq. ft. of glass, keeping up a night temperature of 65 degrees and gave entire satisfaction. Other users certify to the efficiency of these boilers. Price \$200 f. o. b.

WM. B. Sands, Lake Roland, Baltimore, Md.

FIXTURES FOR SALE.

Store fixtures complete, consisting of refrigerator 8x6x8 feet, plate glass front 5x6, plate glass doors, box made to order after original design, desk with mirror 5x6 feet, mantel shelf with mirror 5x6 feet, all glass and mirrors beveled plate, counter table 10x4 feet, plant table 8x8 feet, zinc lined, other shelving and fixtures all made to order of select birch, stained mahogany; cost \$800, used six months; will sell at \$500. Address AUGUST S. SWANSON, St. Paul, Minn.

FOR SALE.

Tanks! Tanks! Tanks!

Several round open top cypress tanks, practically new, at about half price. Hold 1200 gallons each. The staves and bottom are 2¼-in. thick, diameter 7 feet across bottom, 6½ at top, 4½ feet deep, 52-in. flat hoops. The above tanks have been but little used and are in perfect condition. Address

Box 18, So. Sudbury, Mass.

FOR SALE.

A Well-Paying Business Opportunity.

WILL SELL OUR RETAIL STORE.

It is a first-class store, is well stocked, is centrally located, and enjoys a very large and excellent patronage.

REASON—Will grow flowers for the wholesale trade.. Address

Hoffmeister Floral Co.,

813 Elm Street, CINCINNATI, OHIO.

NURSERY NEWS.

AMERICAN ASSOCIATION OF NURSERYMEN.

Pres., N. W. Hale, Knoxville, Tenn.; Vice-Pres., F. A. Weber, St. Louis; Sec'y, Geo. C. Seager, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-eighth annual convention will be held at Atlanta, Ga., June, 1904.

C. W. WARD, of the Cottage Gardens, reports peonies for September shipment selling very well indeed.

SEYMOUR NELSON, of Chicago, has made plans for the improvement of South Park at Des Moines, a portion of which will be developed this fall.

P. J. BERCKMANS has again been elected president of the Georgia State Horticultural Society, a position he has held for more than a quarter of a century.

THE consensus of opinion is that the fumigation of nursery stock was by no means general the past season. There are only two fumigation houses at Danville, N. Y., but they have had no San Jose scale there.

At the session of the Indiana Horticultural Society, at Anderson, August 4 and 5, E. Y. Teas, of Centerville, read a paper on "The Catalpa" and C. M. Hobbs, of Bridgeport, one on "Five of the Most Promising New Varieties of Apple."

The Chicago, Milwaukee & St. Paul railroad is about to make a practical experiment in forestry, planting catalpas along its right of way, 640 trees to a mile. It is figured that in sixteen years these trees will have attained a size to furnish one telegraph pole or five cross-ties.

CHARLES H. VICK, director of the New York state horticultural exhibit at the St. Louis World's Fair, states that the extensive grounds around the state building will be largely planted by four Rochester nursery firms, Chase Bros. Co., Ellwanger & Barry, Charlton & Son and Brown Bros. Co.

THE losses at Topeka during the spring flood were: Apple seedlings, 80 per cent; apple grafts, 60 per cent; peach seedlings, 40 per cent; peach coming one year, 65 per cent, with losses on other items about in proportion, according to figures compiled by Peters & Skinner.

THE G. M. Bacon Pecan Company, at De Witt, Ga., has been organized to take over the nursery and 165 acres of pecan groves of G. M. Bacon. There are 200,000 pecan trees in the nursery and a large business is being done in supplying stock to planters, but this department is to be greatly enlarged. They have a new variety, Georgia Giant, shortly to be distributed, the parent tree of which at five years of age bore nuts weighing thirty-two to the pound.

TREE PLANTING IN NEBRASKA.

One hundred acres of land in the sand hills of the Dismal River forest reserve, Nebraska, were planted this spring by the Bureau of Forestry. On eighty acres 100,000 pine seedlings were set out; the other twenty acres were sowed with seed. The work will continue this summer. The nursery will be enlarged so as to cover two acres, which will hold 2,000,000 seedlings. The bureau intends to increase the size of the nursery gradually so as to make it grow enough seedling trees every year to furnish sufficient stock for the planting. It is intended ultimately to turn the whole of the Niobrara and Dismal River reserves, which are now barren sand hills, into forest by planting. The Dismal River reserve includes 86,000 acres, the Niobrara reserve 126,000. A survey of the boundaries of the Niobrara reserve will be made this summer by E. J. S. Moore, of the Bureau of Forestry.

CHICOPEE FALLS, MASS.—Field-grown carnation plants are in good demand in this vicinity, as several florists lost a good many by stem-rot in the field. Chrysanthemums are being grown in about the usual quantities, and the plants are looking well. Hitchings & Co., New York, are building an iron-frame greenhouse for the Springfield Cemetery Association, on Pine street.

Seed Trade News.

AMERICAN SEED TRADE ASSOCIATION.

Pres., S. F. Willard, Wethersfield, Conn.; First Vice-Pres., J. Chas. McCullough, Cincinnati, O.; Sec'y and Treas., C. E. Kendel, Cleveland, O. The 23d annual meeting will be held at St. Louis Mo., June, 1904.

JESSE E. NORTHRUP, of Minneapolis, has fully recovered from his recent injury.

JOHN C. LEONARD and his bride are again at Chicago after a trip to the Pacific coast.

AUGUST RHOTERT sailed from New York for Europe August 11, on the Kronprinz Wilhelm.

ANOTHER two weeks should give much more satisfactory information as to the outcome of the growing season.

THE July issue of Frank B. White's Class Advertising is devoted to the Seed Trade convention and to seed advertising.

BESSEMER, ALA.—W. D. Taylor will open a wholesale and retail seed store in the building now being erected adjoining his premises.

PRACTICALLY all seed crops may be said to be late and early frost is likely to be a very large factor in determining next season's supply in many lines.

THE Department of Agriculture is asking seedsmen for back copies of catalogues to complete the department's files and aid in the work of tracing the origin of varieties and giving proper credit. W. W. Tracey, Jr., is in charge of the work.

THE discontinuance of the Landreth retail department leaves some good men in the market, among them James Vick, who had charge of the mail order department, and Robert Carpenter, who has been with the firm upwards of forty years.

ROCKFORD, ILL.—The insurance on the H. W. Buckbee seed stock destroyed by fire some time ago is in a fair way to be settled, the companies involved having left the matter to a committee representing three of their number for adjustment.

ANNUALLY increasing quantities of radish seed are being grown in the United States. The Michigan crop is short, but rather better than a year ago, while the silence with regard to conditions in California leads to the belief that a good crop may be expected there.

A. H. GOODWIN, of the Goodwin-Harries Co., Chicago, returned August 10 from a trip to the northwest and says corn is not in an encouraging condition. Mr. Harries is just back from the Michigan bean and pea districts, where conditions are better, but the critical stage is not yet passed.

PHILADELPHIA.—Both the hay and grain crops of New Jersey and Pennsylvania are below the average. Corn and tobacco crops are very backward. Both wheat and oats are of average quality. Late planted potatoes are looking thrifty and promise to develop nicely. The cold nights of late are working great havoc with the tomato and vine seed crops. The rust has attacked some

75,000 Pot-Grown Strawberry Plants

If planted now will produce a full crop of **LARGE LUSCIOUS STRAWBERRIES** in 1904. We have these in stock in fifteen of the best varieties. Submit your list of wants for special low quotations.

T. J. DWYER & SON, Orange County Nurseries, Box 21, **CORNWALL, N. Y.**

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W. & T. SMITH COMPANY,
GENEVA, N. Y.

Wholesale Growers of **O** Ornamental Trees, Shrubs, Roses, Clematis, Fruit Trees, and Small Fruits in great variety.

Send for our Wholesale Price List.
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Send to **THE MOON** Company
For Your { Trees, Shrubs, Vines,
and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.,
Morrisville, Pa.
Mention the Review when you write.

Peterson Nursery,

164 La Salle St., CHICAGO.

PEONIES

And HARDY ORNAMENTAL STOCK.

Write for illustrated price list.

Mention the Review when you write.

ORCHIDS..

Arrived in splendid condition a grand lot of *Cattleya labiata*; also *C. Maxima*. Write for prices.

Lager & Hurrell, Growers and Importers... **Summit, N. J.**

Mention Review when you write.

fields of tomatoes and the vines are dying without ripening a single tomato. David Dugreth & Sons are making active preparations to close up their retail department in the city and are offering about everything at bargain prices. Alexander Stewart, formerly with this house, is now with Moore & Simon. Mr. Philler, formerly manager of the retail department, is thinking of starting in the seed business upon his own account.

THE government crop report for August 11 summarizes the corn situation as follows: "Corn is making favorable progress in the central and western portions of the corn belt, but in the upper Ohio valley and the middle Atlantic states the outlook is less promising. While improvement has been general in the states of the Missouri and upper Mississippi valley, in the more northerly portions of these states the crop is in need of warmth."

PEAS AND BEANS.

The John H. Allan Seed Co., Sheboygan, Wis., sends out the following under date of August 10:

Early peas are now mostly harvested except where they were sown very late, and some lots already threshed. Until recently weather was favorable for harvest, and crops that ripened early have been saved without damage and are bright and sound; but for the past two weeks there have been frequent and heavy rains in northern Wisconsin and northwestern Michigan, Ontario, Canada and Northern New York, particularly the latter section, where all crops have been damaged; in some cases to large extent. Along the general line, we hope to ship a large percentage on contracts except in a few lines we have mentioned before, which from special local causes have been cut short, among which are Nott's Excelsior, American Wonder, Pride of the Market, Allan's Dwarf Telephone. We expect shortly, when we shall have finished roguing late peas, to send you a list with percentages we hope to send you on each sort ordered.

Regarding beans: The heavy rains, with cool nights, in New York state have not been favorable to a luxuriant growth, but from the present condition we are expecting a fair crop of dwarf beans from our acreage in western New York, and our acreage in Wisconsin is promising well up to the present, but pole beans have with us been specially unfortunate. Having previously called attention to the loss of large portion of our crops of Kentucky Wonder and Old Homestead, we have now to report the loss of several fields of Worcester, Hampden and Carmine—podded pole beans, and we fear our delivery on these will be light.

BALTIMORE.

The Market.

The weather continues abnormal; the days are warm, the nights cool (August 7 the mercury stood at 50 degrees after sun up) and the precipitation is above the average. Outdoor stuff is plentiful. Asters are wasting by the thousand, and Cochet roses are in excess of requirements, and their quality is not up to that of former years. Last week the demand was somewhat better than the preceding one, but dullness is general.

The White Cochet rose grows constantly in favor as a summer variety. Fred'k. C. Bauer has a block of 7,000 in fine condition on his place, and every one sold. Carnations are being benched, the plants in most cases being fair in quality, though the wet season has resulted in much stem-rot.

Various Notes.

Halliday Bros. have closed up their Baltimore street store and will concentrate their business at 329 N. Charles street. It is a remarkable circumstance that now, on Baltimore street, our main business thoroughfare, there is but one

Stumpp & Walter Co
50 Barclay St. N.Y.

Cycas Stems.
2 to 3 lbs. 4 to 5 lbs. 6 to 7 lbs.
Per 100 lbs...\$7.50 Per 1000 lbs...\$65.00

Burpee's Seeds Grow

SEEDS

THE ALBERT DICKINSON CO.

Timothy, Clovers, Flax, Hungarian, Millets, Red Top, Blue Grass, Lawn Grass, Orchard Grass, Pasture Mixtures, Bird Seeds, ENSILAGE CORN, POP CORN, BUCKWHEAT, BEANS, PEAS, ETC. COTTON GRAIN BAGS. CHICAGO ILL.

Florists Mignonette FOTTLER'S ECLIPSE.

Greenhouse Grown Seed in trade packets of about 2000 seeds, \$1.00.

Finest strain ever offered — Immense spikes, highly colored and fragrant.

PANSY. Special strain for florists. Trade pkt., 50c; per oz., \$5.00.

Choice strains of Florists' Seeds and Bulbs our specialty.

Trade catalogue on application.

SCHLEGEL & FOTTLER CO., Seedsmen, BOSTON, MASS.

Mention Review when you write.

florist from Patterson Park on the east to Fremont avenue on the west, a distance of nearly three miles.

John J. Perry, the busy and efficient manager of the Florists' Exchange, was absent from his post for two or three days last week, visiting his father in Frederick county, who was quite ill, but who has recovered in some measure.

Philip B. Welch lost his mother some days ago, she being a lady advanced in years, who had been living at Waverly. The new farm of Mr. Welch is being rapidly improved, and his business there will be largely in the line of growing flowers for the trade.

L. T. Massey, who a year or two ago sold his place near the York road to J. E. Bartell, has joined forces with the purchaser and the two will hereafter make a team together. Mr. Bartell, as heretofore reported, has added several modern houses and otherwise improved the plant.

In a short time, under the new city government, there will be a change of the members of the park commission, which will involve other changes, unquestionably, in the employes of the various parks and wire pulling is being actively engaged in already by those who are after the choicest places.

B.

NILES, MICH.—The Michigan Central railroad will at once proceed with the erection of four more large greenhouses here.

TUSKEGEE, ALA.—Alfred W. Crawford, a negro florist of Meriden, Conn., has been appointed professor of floriculture and landscape gardening at Booker T. Washington's Tuskegee University.

ESTABLISHED 1802.

Thorburn's Seeds

for over a 100 years have been universally recognized as the standard of excellence.

Florists are invited to send for our

ANNUAL TRADE LIST OF BULBS just published.

New Crop **Thorburn's Superb Pansy and Madame Perret Pansy, NOW READY.**

Cycas Revoluta Stems. J. M. THORBURN & CO. 36 Cortlandt St., NEW YORK.

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W. W. RAWSON & CO., Seedsmen, 12 and 13 Faneuil Hall Square, BOSTON.

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CROP --- 1903

PANSY, SUPERB MIXED, unexcelled, 1/2 oz., 75c; oz., \$5.00.

CINERARIA, DWARF, finest mixed, pkts., 50c and \$1.00. CINERARIA, TALL, finest mixed, pkts., 50c and \$1.00.

BELLIS PERENNIS, Giant Red, White and Pink, pkts., 25c; 1/2 oz., 40c.

W. C. BECKERT, - ALLEGHENY, PA. Mention the Review when you write.

BEGONIA GLOIRE DE LORRAINE
Strong, 2-inch pots.
\$15.00 per 100; \$140.00 per 1000

J. H. REBSTOCK, 586 Main Street, BUFFALO, N. Y.

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Headquarters on CUT FLOWERS.

WRITE FOR WEEKLY PRICE LIST.

45-47-49 Wabash Avenue,

TELEPHONE
MAIN 1129.

CHICAGO.

CINCINNATI.

The Market.

We are still being favored with good summer weather, moderately warm days and cool nights. There has not been as much rain as could have been used readily, but a good soaking rain last week helped outdoor stock a great deal, and a marked improvement is seen in that class of stock.

Business is still first-class for this season of the year, and is far in advance of other years. The supply of good stock of any kind is very scarce and is sold out on sight. Good roses are especially much sought after and are bought as soon as they are unpacked at the wholesale houses. There is a good supply of short roses of all varieties and they sell nicely. Bride and Ivory are most in demand, as there is a great deal of funeral work.

Carnations are very scarce, and those to be had are of poor quality. Gladioli are almost a glut. As is always the case, the spikes of good quality sell readily and at a good price and the poor ones cannot be moved at any price. Moral: Grow only good stock. Great quantities of asters are also on the market. White ones in all grades sell readily and at good prices. Colored ones do not do quite so well, unless of first-class quality. Smilax is scarce, but there is a fair supply of Sprengeri and plumosus.

Notes.

Saturday evening a meeting of the Florists' Society was held in the club rooms. But few members were present and very little business was transacted. E. G. Gillett reported on the final arrangements for attending the convention at Milwaukee. Everything is in readiness and it looks as if Cincinnati will send a large delegation this year. Berths out of this city can be reserved by addressing E. G. Gillett, at 113 East Third street, stating what you want.

The Ohio Cut Flower Co. has moved into larger quarters situated at 129 East Third street.

Louis Kyrk and family and Fred Gear and family are spending their vacations at the lakes.

The Jabez Elliott Flower Market is being repainted on the inside and will be in first-class shape for the fall trade.

I wish to call the attention of growers everywhere to the two flower shows to be held in this city during the fall festival in September. The show days are September 10 and 17. The premiums offered are sufficiently large to attract growers from all over the country. The premium list was published in the REVIEW a few weeks ago. The books are now open for

entries, which should be made as soon as possible to insure obtaining space. Entries to be made with John A. Ringold, Room 75, Perin Bldg., Cincinnati, Ohio.

Visitors were as follows: Dr. and Mrs. Howald, of Atlanta, Ga.; Geo. F. Stuck, representing Lager & Hurrell, of Summit, N. J.; E. G. Hill, Richmond, Ind.; H. T. Moon, representing the Wm. H. Moon Co., Morrisville, Pa.; B. Eschner, of M. Rice & Co., Philadelphia, Pa., and Chas. E. Critchell, manager of the Atlanta Floral Co.'s store and plants, Atlanta, Ga. C. J. OHMER.

CLEVELAND.

There is no change to be reported in this market. Roses are scarce and poor, excepting Kaiserins, which are very fine. Carnations are poor, and almost every one is planting or has finished. Asters are plentiful, but small and short-stemmed. The whites come in very handy for funeral work, which keeps up quite steadily and is well distributed among the different stores.

Vacations are still in fashion, and this week finds F. W. Griffin and wife and George Bate and wife, with a party of friends, camping in the wilds of Canada on the shores of Georgian Bay. They expect to be away two weeks, and large fish stories may be looked for on their return. E.

TARRYTOWN, N. Y.

At the recent meeting Henry Sidenburg, of Hastings; Wm. H. Douglass, of North Tarrytown; J. F. Ditmar, James Devell, and F. V. Mallard, of Tarrytown, were elected to honorary membership in the Tarrytown Horticultural Society. The judges at the fall exhibition will be John G. McNicoll, of Lawrence; Peter McDonald, of Yonkers; Thomas Harrison, of Glen Cove, and Wm. Turner, of Oceanic, N. J. Wm. Smith and A. Gricson were given votes of thanks for their work in judging the June show. Exhibits were staged by Thos. A. Lee, Wm. Scott and David McFarlane, the judges giving the prize, a silk umbrella, to Mr. Scott. It was voted to have an outing, the same as last year, and Wm. Scott, James Smith and Francis Gibson were appointed to arrange the details. H. J. R.

"A SUBSCRIBER" is reminded that one's full name and address are necessary on queries to secure a reply.

MADISON, Wis.—George Rentschler, brother of Fred, the well-known florist, is planning to go into the business here, building greenhouses near the German cemetery.

WE OFFER A BEAUTIFUL STOCK OF

Kentia Belmoreana—	In. high.	Size Pots.	Char.	Leaves.	Per 100
12-15	3-in.		5		18.00
18-20	4-in.		5		30.00
20-24	4-in.		6		50.00
Latania Borbonica—					
12-15	4-in.		2		15.00
15	4-in.		3-4		20.00
18-20	4-in.		5		30.00
Biota Aurea Nana—					
12-15	Very compact,				20.00
18-24					40.00
Cedrus Deodara—					
15-18	Very shapely,				25.00
20-24					30.00
Oranges— Best sorts, grafted on Citrus trifoliata, bearing sizes.					
12 in.	4 in. pot, bushy				20.00
15-18 in.	4-in. pots,				30.00
Kumquats—					
10-12 in.	4-in. pots,				20.00
Exochorda Grandiflora—					
18-24 in.	Very bushy, transpl.,				8.00
2-3 ft.	Heavy,				12.00
Hydrangea Rosea, Thos. Hogg, etc.					
Strong field-grown, well branched.					
12-15 in.					8.00
24-36 in.					12.00

(Not less than 40 of a sort sold at 100 rate.)

We also offer an immense stock of ornamental trees, shrubs, conifers, azaleas, camellias, and other stock suitable for landscape work.

No Disease or Insects on our Stock. Catalogues sent on application.

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Good Fortune is the Chum of Opportunity.

This is your chance to lay in a stock of Godfrey Aschmann's tip-top *Araucaria Excelsa*. Do it now and they will help to fill your treasure box: they will be growing into money for you while you're asleep. We are headquarters for this great favorite among decorative plants. Our houses are full of choice April importations—no seedlings—raised in Belgium from top cuttings only. Here is my very lowest quotation. Who can beat such stock as I offer for the money?

5½-in., 3 to 4 tiers, 10 to 12 in. high.... \$0.50 each
5½-in., 3 to 4 " 10 to 12 " very broad .60 "
5½-in., 3 to 4 " 13 to 15 " .75 "
6-in., 4 to 5 " 16 to 19 " 80c. 90c. 1.00 "

Cycas Revoluta—(Sago Palm) very fine, 6 to 7-inch pots, from 3 to 4, 5, 6, 7 and 8 leaves, 10c per leaf.

Kentia Forsteriana—36 to 42 inches high, 5½-in. pots, 75c to \$1.00 each.

Ficus Elastica—Imported, 4-inch pots, 25c each.

Boston Ferns—5-in. pots, 25c to 35c each.

Asparagus Plumosus—3-in., at the rate of \$10.00 per 100.

Solanum—(Jerusalem Cherry), 2½-inch, to clean out, only \$2.00 per 100.

Cash with order please. Goods travel at purchaser's risk only. Please state if with or without pots.

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Wholesale Grower and Importer of Pot Plants,

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Popular Pansies

FROM THE BEST ENGLISH, GERMAN and FRENCH GROWERS.

	Per 3000 seeds.	Per oz.		Per 3000 seeds.	Per oz.
Azure Blue	25c	\$0.75	Rainbow or Pheasant's Eye,	25c	\$0.85
Bugnot's Giant Blotched	60c	1.00	(quadri-color)		
Belgian Striped	25c	.50	Snow Queen (Candidissima) satiny		
Bronze varieties very rich	25c	.50	white	25c	.75
Cassler's Giant Blotched	50c	3.50	White with Dark Eye	25c	.75
Emperor William, ultramarine blue	25c	.75	Yellow with Dark Eye	25c	.50
Fire Dragon, orange and bronze	25c	.80	Pure Yellow	25c	.75
Havana Brown	25c	.75	Improved Giant Trimardeau,		
Lord Beaconsfield, deep purple			mixed	25c	1.00
violet	25c	.80	Improved Giant Trimardeau,		
Mahogany Colored	25c	.80	separate colors	30c	1.25
Meteor, bright yellow and brown	25c	.80	Splendid Mixed German	25c	.75
Peacock, ultramarine blue, claret			Mme. Perret (grown by Lucien		
and white	30c	1.00	Perret	40c	3.00
Prince Bismarck, golden bronze	25c	.75			

OUR KINGLY COLLECTION OF GIANT PANSIES—Unquestionably the finest strain of Giant Pansies now offered to the trade.

1000 seeds, 30c; 2000 seeds, 50c; 5000 seeds, \$1.00; per oz., \$5.00.

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IMPROVED CHINESE. Finest large-flowering fringed varieties grown, single and double, named or mixed, ready for 3-inch pots, \$2.00 per 100. Extras added liberally.

XXX SEEDS

CHINESE PRIMROSE. Finest grown, large flowering, fringed, single and double, 15 varieties, mxd., 500 seeds, \$1.00. half-pkt., 50 cts.

CINERARIA. Finest large-flowering, dwarf, mixed, 1000 seeds, 50 cts.

PRIMULA OBCONICA Grandiflora. The finest large-flowering, 1000 seeds, 50 cts.

DAISY. Double Giant, white and rose, mixed or separate, 1000 seeds, 25 cts.

GIANT PANSY SEED.

The best large-flowering varieties, critically selected, 5000 seeds, \$1.00; half-pkt., 50 cts.

5000 seeds of Giant "Mme. Perret" added to every \$1.00 pkt. of Giant Pansy seed.

Cash. Liberal extra count of seeds in all packets.

JOHN F. RUPP, SHIREMANSTOWN, PA.
The Home of Primroses.

Wholesale Cut Flower Prices.

Philadelphia, Aug. 12:

	Per doz.
Beauties, Specials	\$ 2.50 to \$ 3.00
Extra	1.00 to 1.50
No. 1	.75
Queen of Edgely, Specials	2.50 to 3.00
Seconds	1.00 to 1.50
Thirds	.75
Brides and Maids, Specials	\$4.00 to \$6.00
No. 2	2.00 to 3.00
Golden Gates, Firsts	4.00 to 5.00
Seconds	2.00 to 3.00
Kaiserin, Firsts	6.00 to 8.00
Seconds	2.00 to 4.00
Liberty, Firsts	6.00 to 10.00
Seconds	2.00 to 5.00
Meteors, Firsts	4.00 to 6.00
Seconds	2.00 to 3.00
La France, Firsts	4.00 to 6.00
Seconds	2.00 to 3.00
Carnations, Commons	.50 to 1.00
Selects, all colors	1.50 to 2.00
Fancy	3.00 to 4.00
Adiantum Cuneatum	1.00
Asparagus plumosus, Strings	35.00 to 50.00
Sprenger Sprays, per bunch, 35-50c	
Smilax	12.50 to 15.00
Cornflower	.20
Lilium Harrisii	8.00 to 12.50
Lilium Auratum	\$2.00 per doz.
Tiger Lilies	\$2.00 doz. stalks
Lily of the Valley	2.00 to 5.00
Double Petunias	.50 to 1.00
Sweet Peas	.20 to .40
Gladioli	2.00 to 3.00
Asters	1.00 to 2.00
Dahlias	1.50
Daisies, Yellow	1.00

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Growers of CUT FLOWERS at Wholesale.

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Greenhouses: Pleasant Hill, Mo.

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Write, Wire or Phone the introducers

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or their agents: L. J. Kreshover, New York; J. B. Deamud, Chicago; H. Bayerdorfer & Co., Philadelphia; W. F. Kasting, Buffalo; J. M. McCullough's Sons, Cincinnati, Ohio; H. G. Berning, St. Louis, Mo.

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Smilax Seedlings,

50c per 100.

SAMUEL S. PENNOCK,
1612-18 Ludlow St., Philadelphia.

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Miscellaneous Greenhouse Stock	
	Per 100
Acalypha Macaeseana	\$3.50
Strobilanthes Dyerianus, 75 cts. per doz.	5.00
Abutilons in var., \$20.00 per 1000	2.50
Pompon Chrysanthemums, 50 var., \$17.50 per 1000	2.00
Coleus, in var., \$17.50 per 1000	2.00
2 1/4-in. pots, per 100	
Fuchsias, in variety	\$2.50
Hardy English Ivy, extra strong	2.00
Lemon Verbena	2.50
Sedum variegata	2.00
Smilax	2.00
Swansea Alba	2.00
(Rooted Cuttings of Hardy English Ivy, 75c per 100; \$5.00 per 1000.)	
Send for trade list. Cash with order.	
R. VINCENT, Jr. & SON, White Marsh, Md.	

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Specimen Palms
Latania Borbonica

We have a limited quantity of extra fine specimens in 14-in. pots; will close out at \$7.50 each. This is a bargain; give us your order at once.

Wagner Park Conservatories, Sidney, O.
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Charles Millang, New York

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Flowers in their season.

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Reasonable Prices.
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Out-of-town florists promptly attended
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THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND.
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My large shipping trade enables me to command the highest prices.

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us the best market prices. Tel. 167 Madison Sq.

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Receiving Extra Quality American Beauties
and all other varieties of Roses. Carnations.
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Consignments receive conscientious and prompt
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The finest stock in the market always on hand.

Plants and Rooted Cuttings a Specialty.
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OUR MOTTO is to supply a standard grade of
stock equal to any on the market, at low prices.
Our prices enable you to make a good profit, also
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Wholesale Cut Flower Prices.

New York, Aug. 12.

	Per 100
Beauties, Specials	\$10.00 to \$25.00
Extra	6.00 to 8.00
No. 1	2.00 to 3.00
Shorts	1.00 to 2.00
Queen of Edgely, Specials	10.00 to 20.00
Extra	6.00 to 8.00
No. 1	2.00 to 3.00
Brides and Maids, Specials	3.00 to 4.00
Extra	2.00 to 3.00
No. 1	1.00 to 2.00
No. 2	1.00
Liberty	5.00 to 10.00
Meteor	2.00 to 4.00
Oatleyas	40.00 to 60.00
Cypripediums	12.00
Dendrobium formosum	15.00 to 25.00
Laelias	10.00 to 40.00
Carnations, Common .....	.25 to .50
Selects .....	.50 to .75
Fancies .....	.75 to 1.00
Novelties	1.00 to 2.00
Asters... 100 bunches, \$2.00 to \$5.00	
Gladioli .....	.50 to 2.00
Mignonette .....	.50 to 1.00
Stocks, per 100 bunches, \$2 to \$3	
Tuberose	2.00
Sweet Peas, per 100 bunches, \$1 to \$2	
Adiantum cuneatum .....	.25 to .35
Croweanum .....	.75 to 1.00
Asparagus plumosus, Strings	25.00 to 50.00
Sprenger Sprays	1.00 to 2.00
Harriall lilies	4.00 to 8.00
Valley	1.00 to 2.50
Smilax	8.00 to 12.00
Ferns, Common, per 1000, 75c.	
Fancy, per 1000, \$1.50.	

Business in the wholesale marts is at low tide, and seems to be completely stagnant. No change is anticipated before the end of the present month. It is the old, old story, repeated year after year at this time. The summer reports have been late in opening because of the unpropitious weather, but a profitable season is anticipated, if a late one. Gladioli are coming in enormous quantities, and asters, too, are coming like a flood. Values on these have steadily fallen, but the best roses are readily taken at good prices, and the supply is not equal to the demand.

PLANT an adv. in the REVIEW and see your business grow.

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300-306 Dearborn St., CHICAGO.

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and all reasonable flowers.
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Tel. 1905 Madison Sq.
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Young & Nugent 42 West 28th Street New York

Send for Quotations
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H. C. RIEDEL. F. D. SPICER.
Riedel & Spicer
Wholesale Florists,
Strictly Wholesale, 34 W. 29th Street,
Tel. 3039 Madison Sq. New York City.

The New York Cut Flower Co.
55 and 57 West 28th Street,
WHOLESALE FLORISTS.
Daily Reports. Weekly Payments.
Tel. 2239 Madison Sq. J. A. MILLANG,
2034 Madison Sq. Manager.

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Asparagus Sprengeri, Strong Clumps for Dividing. Write for Prices. Fine BEAUTIES.

OPEN FROM 7:00 A. M. TO 5:00 P. M.
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Telephone 1738 Madison.
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WHOLESALE and COMMISSION FLORIST,
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Telephone No. 958 Madison Sq.

WANTED a few more reliable growers of Carnations and Violets. Only first-class stock handled.

BRANCH STORE, 48 West 30th St., New York. R. W. PERKINS, Manager.
Consignments Solicited. Quick returns to Shippers.
Highest Market Prices Guaranteed.
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WM. SAMPSON,

Coogan Building, WHOLESALE FLORIST.
26th St. and 6th Ave.

With the New York Cut Flower Co.
Tel. No. 2239 Madison. Consignments Solicited.
Specialties, CARNATIONS and MIGNONETTE.
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COTTAGE GARDENS

Wholesale Florists,
QUEENS, - L. I., N. Y.
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HARDY CUT FERNS.

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Oldest, largest and most reliable dealer in the U. S.
Mr. Brague will have an Exhibit at the Convention Hall, Milwaukee.
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A SPLENDID OFFER.

Asparagus Plumosus, 3-in., \$5.00; 4-in., \$8.00 per 100. Asparagus Sprengeri, 2-in., \$2.00; 3-in., \$5.00; 4-in., \$7.00 per 100. Aspidistra Green, 4-in., \$25.00 per 100.

ADOLPH G. FEKE, - Belleville Ill.
Mention Review when you write.

Wholesale Cut Flower Prices.

Buffalo, Aug. 12.

	Per 100
Beauties, Specials.....	\$20.00 to \$25.00
Extra.....	10.00 to 15.00
No. 1.....	6.00 to 8.00
Shorts.....	1.00 to 8.00
Brides and Maids, Extra.....	6.00
No. 1.....	4.00 to 5.00
No. 2.....	1.00 to 3.00
Carnot.....	2.00 to 6.00
Ousin.....	1.00 to 4.00
Golden Gate.....	1.00 to 5.00
Kaiserin.....	2.00 to 6.00
Liberty.....	1.00 to 8.00
Meteor.....	1.00 to 6.00
Mrs. Morgan.....	1.00 to 5.00
Perle.....	2.00 to 4.00
Sunrise.....	1.00 to 3.00
Carnations, Selects.....	1.00 to 2.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, Strings.....	40.00 to 50.00
Sprays.....	1.00 to 2.00
Sprengeri, Sprays.....	1.00 to 3.00
Asters.....	.40 to 2.00
Gladioli.....	.50 to 2.00
Lilium Auratum.....	8.00 to 12.00
Speciosum.....	2.00 to 5.00
Harrisii.....	15.00
Longiflorum.....	15.00
Lily of the Valley.....	2.00 to 4.00
Smilax.....	10.00 to 15.00
Sweet Peas.....	.10 to .30
Water Lilies.....	.50 to 3.00
Galax.....	.10 to .15
Leucothoe.....	.50 to .75
Common Ferns.....	.10 to .15

Baltimore, Aug. 12.

	Per 100
Beauties, Shorts.....	\$3.00 to \$6.00
Brides and Maids, best offering....	2.00 to 4.00
Golden Gate.....	2.00 to 4.00
Kaiserin.....	2.00 to 4.00
Perle.....	2.00 to 8.00
White Coquets.....	1.50 to 3.00
Carnations, Commons.....	.50 to .75
Adiantum Cuneatum.....	1.00
Asparagus plumosus, Sprays.....	1.50 to 2.00
Sprengeri, Sprays.....	1.50 to 2.00
Gladioli.....	2.00 to 4.00

PORTLAND, ORE.—The morning Oregonian reprints in full E. G. Hill's recent article on "The Roses of Oregon."

CANONSBURG, PA.—Harvey C. Sheaff, of Mrs. E. A. Williams' staff, Pittsburg, is spending his vacation with his mother here.

We are head-quarters for HARDY CUT FERNS!

Fancy or Dagger, 50c per 1000. Contracts made to supply the year around. Use our Laurel Festooning. It's the best decorative material to be found, we make it fresh daily 4c. 5c and 6c per yd. Bargains in Galax, A No. 1 quality, Bronze or Green, 75c per 1000 in 10,000 lots. Mosses, &c. Send us your wants and be well satisfied.



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Tel. Office, New Salem.

Long distance telephone connections.
Mention Review when you write.

FRANK H. TRAENDLY. CHARLES SCHENCK.
TRAENDLY & SCHENCK,
Wholesale Florists
AND CUT FLOWER EXCHANGE
38 W. 28th St., NEW YORK.
Telephones 798 and 799 Madison Square. CONSIGNMENTS SOLICITED.
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Hicks & Crawbuck

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108 Livingston Street, BROOKLYN, N. Y.
Tel. 3660-3661 Main.
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GALAX.

Brilliant Bronze, at 75c per 1000 in 2000 lots or more.

FERNS—Fancy, \$1.25 per 1000; Dagger, \$1.00 per 1000. Green Sheet Moss—\$2.50 per bbl. sack. Sphagnum Moss—\$1.75 per large bale.
All kinds FLORISTS' SUPPLIES.

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TEL. 697 MADISON SQUARE.
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PITTSBURG CUT FLOWER CO. Ltd.

WHOLESALE FLORISTS, Pittsburg, Pa.
Mention The Review when you write.

Peacock'sDahlias

For plants, bulbs or cut blooms. Address

W. P. PEACOCK,
Dahlia Specialist. ATCO, N. J.
Mention the Review when you write.

N. LECAKES & CO.

45 West 29th St., NEW YORK

Tel. No. 1214 Madison Sq.

and

53 W. 28th St.

(Basement)

Tel. 1797 Madison Sq.

Stands at Cut

Flower Exchange

Coogan Bldg., W.

26th St., and 34th Street Cut Flower Market.

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GALAX LEAVES, FERNS and
LEUCOTHOE SPRAYS.

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NEW MANAGEMENT.
PROMPT COLLECTIONS
AND PROMPT RETURNS.

Full information concerning all claims entrusted to us. Plenty of time to attend carefully to your interests.
Satisfaction guaranteed. No delays. No neglect. No waiting.

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Rooms 601, 602, 603.

NEW YORK CITY.

HARRIS H. HAYDEN, Pres.

WM. A. MOORE, Vice-Pres.

JNO. E. WALKER, Sec. and Treas.

Mention The Review when you write.

Wholesale Cut Flower Prices.

Chicago, Aug. 12.

	Per doz.	
Beauties, 24-inch stems.....	\$2.00 to \$2.50	
" 20 "	1.50	
" 15 "	1.25	
" 12 "	1.00	
Shorts .....	.75	
Bridesmaids, Specials	Per 100.	
" Firsts	\$4.00 to \$5.00	
" Seconds	2.00 to 3.00	
Brides, Specials	4.00 to 5.00	
" Firsts	2.00 to 3.00	
" Seconds	1.00	
Kaiserin	4.00 to 5.00	
Liberty, Specials	8.00 to 10.00	
" Firsts	6.00 to 8.00	
" Seconds	3.00 to 5.00	
Golden Gate, Firsts	4.00 to 5.00	
" Seconds	2.00 to 3.00	
Meteor, Firsts	4.00 to 5.00	
" Seconds	2.00 to 3.00	
Mme. Chatenay, Firsts	6.00 to 8.00	
" Seconds	3.00 to 5.00	
Ivory, Firsts	4.00 to 5.00	
" Seconds	2.00 to 3.00	
Perles, Firsts	4.00 to 5.00	
" Seconds	2.00 to 3.00	
Carnations, Fancy	2.00	
" Commons	1.00 to 1.50	
Gladioli	2.00 to 4.00	
Asters .....	.50 to 1.00	
Water Lilies	1.00	
Auratum Lilies.....	\$1.00 to \$1.50 doz	
Valley	8.00 to 5.00	
Shasta Daisies	2.00	
Marguerites .....	.40 to .50	
Adiantum cuneatum.....	.75 to 1.00	
Asparagus plumosus, Strings.....	25.00 to 50.00	
" Sprays	2.00 to 3.00	
Asparagus Sprengerii, Sprays.....	2.00 to 5.00	
Smilax	\$1.25 per doz.	
Common ferns, per 1000.....	\$1.25	
Galax Leaves, \$1.50 per 1000		

Boston, Aug. 12.

	Per 100.	
Beauties, Specials.....	\$20.00	
" Extra.....	\$12.00 to 15.00	
" No. 1	8.00 to 10.00	
" Shorts	2.00 to 3.00	
Brides and Bridesmaids, Specials.....	6.00 to 8.00	
" Extra.....	4.00	
" No. 1	2.00	
" No. 2	1.00	
Carnot	2.00 to 10.00	
Kaiserin	2.00 to 12.00	
Liberty	2.00 to 12.00	
Carnations, Common.....	.50 to 1.00	
" Selects	2.00	
" Fair Maid.....	3.00	
Adiantum Cuneatum.....	.50 to 1.00	
Asparagus plumosus, Strings.....	50.00	
" Sprays.....	1.00 to 2.00	
" Sprengerii, Sprays.....	1.00 to 3.00	
Asters .....	.25 to .50	
Gladioli	5.00	
Lilium Auratum	8.00	
Lily of the Valley	2.00 to 4.00	
Mignonette, Ordinary	1.00	
Smilax	10.00 to 12.00	
Sweet Peas .....	.10 to .15	
Tuberose	4.00	
Galax .....	.15	
Common Ferns.....	.15	

Detroit, Aug 12.

	Per 100	
Beauties, Specials.....	\$35.00	
" Extra.....	20.00	
" No. 1	15.00	
" Shorts	\$5.00 to 10.00	
Brides and Maids, Specials.....	3.00 to 5.00	
Cusin.....	3.00 to 5.00	
Golden Gate.....	3.00 to 5.00	
Meteors	3.00 to 5.00	
Mrs. Morgan.....	3.00 to 5.00	
Cattleyas	50.00	
Cypripediums.....	25.00	
Carnations, Common.....	1.00 to 1.50	
Adiantum Cuneatum.....	1.00	
Asparagus plumosus, Strings.....	40.00 to 50.00	
" Sprengerii, Sprays.....	2.00 to 6.00	
Asters .....	.50 to 1.00	
Gladioli	2.00 to 4.00	
Lily of the Valley	4.00 to 5.00	
Mignonette, Ordinary.....	1.00	
" Fancy.....	2.00	
Smilax	12.50 to 15.00	
Stocks	2.00 to 3.00	
Sweet Peas .....	.20	
Tuberose	1.00	
Galax .....	.15	
Common Ferns.....	.10	

GRAND RAPIDS, MICH.—Wm. Cunningham's lease has expired on the John Schmidt property, adjoining John Ball Park, and the city wants to secure the land, with the six greenhouses.

E. H. HUNT

THE "OLD RELIABLE" FOR

Wholesale Cut Flowers

Hunt's Flowers Go Everywhere.

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Greenhouses at Hinsdale, Ill.

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A. L. RANDALL,
Wholesale Florist

Don't forget we are at 19 and 21 RANDOLPH ST., CHICAGO.

Write for special quotations on large orders.

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J. A. BUDLONG

37-39 Randolph Street CHICAGO.

Roses and Carnations
A Specialty.....WHOLESALE
GROWER OF**CUT FLOWERS****WIETOR BROS.**Wholesale Growers of.. **Cut Flowers**

All telegraph and telephone orders given prompt attention.

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WEILAND AND RISCH

CHICAGO'S RELIABLE WHOLESALE GROWERS AND SHIPPERS OF...

CUT FLOWERS.

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All telegraph and telephone orders given prompt attention. greenhouses: Morton Grove, Ill.

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Mention Review when you write.

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F. F. BENTHEY, Manager. Wholesale and Commission **FLORISTS**

Consignments Solicited.

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Grower and Wholesaler of Cut Flowers

800,000 SQUARE FEET OF GLASS.
Headquarters for American Beauty.

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With the Flower Growers' Co. Telephone—Central 3067.

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Special attention given to Hardy Cut **FERNS.**

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Two Daily Shipments from my greenhouses. Fresh Stock always ready for orders.

Write, Wire or Phone. Quick Service Given.

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Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.50; 50,000... \$6.25. Sample free.

For sale by dealers.

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MICHIGAN CUT FLOWER EXCHANGE.

WHOLESALE FLORISTS AND CUT FLOWER COMMISSION.

Full line of FLORISTS' SUPPLIES and SUNDRIES.

WM. DILGER,
Manager.

COMMON FERNS, \$1.00 per 1000.
GALAX, Bronze or Green, 1.25 "

26 Miami Ave., Detroit, Mich.

Wholesale Cut Flower Prices.

St. Louis, Aug. 12.

	Per doz.
Beauties, Specials.....	\$1.50 to \$2.00
No. 1.....	.75 to 1.00
Brides and Maids, Specials.....	\$4.00 to \$5.00
No. 1.....	2.00 to 3.00
Carnot.....	4.00 to 5.00
Golden Gates.....	3.00 to 4.00
Kaiserin.....	4.00 to 5.00
Liberty.....	3.00 to 4.00
Meteor.....	2.00 to 3.00
Perle.....	2.00 to 3.00
Carnations, Commons.....	.50 to .75
Fancies.....	1.00 to 1.50
Adiantum Cuneatum.....	1.00 to 1.25
Adiantum Farleyense.....	1.00 to 1.25
Asparagus plumosus, Strings.....	35.00 to 50.00
Sprays.....	1.00 to 1.50
Sprengerl.....	1.00 to 1.50
Asters.....	.50 to 2.00
Daisies.....	.20 to .35
Gladioli.....	2.00 to 3.00
Hollyhocks.....	.50 to .75
Lily of the Valley.....	3.00 to 4.00
Smilax.....	12.50 to 15.00
Tuberose.....	4.00 to 5.00
Galax.....	.15
Common Ferns.....	.15

Milwaukee, Aug. 12.

	Per 100
Beauties, Extra.....	\$15.00
No. 1.....	\$10.00 to 12.50
Shorts.....	4.00 to 6.00
Brides and Maids, Specials.....	6.00
Extra.....	4.00
No. 1.....	3.00
No. 2.....	2.00
Golden Gates.....	4.00 to 6.00
Kaiserin.....	4.00 to 8.00
Liberty.....	4.00 to 8.00
Meteor.....	4.00 to 6.00
Perle.....	4.00 to 5.00
Carnations, Selects.....	1.00
Fancy.....	1.50 to 2.00
Asparagus plumosus, Strings.....	50.00
Sprays.....	2.00 to 4.00
Sprengerl.....	2.00 to 4.00
Asters.....	1.00 to 2.00
Daisies.....	.50
Gladioli.....	4.00
Lilium Speciosum.....	4.00
Longiflorum.....	8.00
Mignonettes, Ordinary.....	2.00
Smilax.....	12.50
Sweet Peas.....	.15
Common Ferns.....	.20

JAMESVILLE, N. Y.—T. M. Miller, formerly of Miller & Clark, is building a range of greenhouses and will continue the florists' business under his own name.

DAYTON, O.—H. M. Altick has a plan which he intends to propose at the S. A. F. meeting at Milwaukee, to raise funds for a McKinley memorial cemetery at Canton.

SAND HILL, MICH.—A. J. Stahelin is starting in business here, building a house 28x200. He will grow lettuce this winter, but hopes to put up another house in the spring and plant carnations a year hence.

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.
Manufacturers of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.
1122 PINE STREET, ST. LOUIS, MO.



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WHOLESALE FLORIST,
1322 Pine Street,
ST. LOUIS, MO.

HOLTON & HUNKEL CO.
WHOLESALE FLORISTS.

MILWAUKEE, - WIS.

Rice Brothers
128 N. 6th Street,
MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Shippers of Choice Cut Flowers and Greens of all kinds. Give us a trial order. Mention the Review when you write.

Wm. Murphy,

Grower and Commission Dealer in.....

Cut Flowers and Florists' Supplies,

Telephone Main 980.

130 E. 3d Street, CINCINNATI, OHIO.

Mention Review when you write.

J. M. McCULLOUGH'S SONS,
Seedsmen and Wholesale Florists.

Consignments solicited. Special attention given to shipping orders.

316 Walnut Street, CINCINNATI, OHIO.

Mention Review when you write.

Lily of the Valley

of good quality always on hand.

AUGUST JURGENS,

134 to 144 Herndon St., CHICAGO.

Mention Review when you write.

Wholesale Cut Flower Prices.

Cincinnati, Aug. 12.

	Per 100
Beauties, Extra.....	\$15.00 to \$20.00
No. 1.....	10.00 to 12.50
Shorts.....	3.00 to 4.00
Brides and Maids, extra.....	5.00
No. 1.....	8.00 to 4.00
No. 2.....	2.00
Golden Gates.....	2.00 to 5.00
Kaiserin.....	2.00 to 5.00
Liberty.....	2.00 to 5.00
Meteor.....	2.00 to 4.00
Perle.....	2.00 to 3.00
Carnations, Commons.....	.50
Selects.....	.75 to 1.00
Fancies.....	1.50 to 2.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, Strings.....	35.00 to 50.00
Sprengerl, Sprays.....	2.00 to 4.00
Asters.....	.50 to 2.00
Dahlias.....	2.00 to 3.00
Daisies.....	.25 to .50
Gladioli.....	2.00 to 4.00
Hollyhocks.....	1.00 to 2.00
Smilax.....	12.50 to 15.00
Tuberose.....	2.00 to 4.00

Pittsburg, Aug. 12.

	Per 100
Beauties, Specials.....	\$20.00 to \$30.00
Extra.....	8.00 to 12.00
No. 1.....	6.00 to 8.00
Shorts.....	2.00 to 5.00
Brides and Maids, Special.....	4.00 to 5.00
Extra.....	2.00 to 4.00
No. 1.....	1.00 to 2.00
Kaiserin.....	2.00 to 6.00
Liberty.....	2.00 to 6.00
Meteor.....	2.00 to 4.00
Carnations, Selects.....	.50 to 1.00
Fancies.....	1.00 to 1.50
Adiantum Cuneatum.....	.50
Asparagus plumosus, Strings.....	30.00 to 50.00
Sprays.....	2.00 to 4.00
Sprengerl, Sprays.....	2.00 to 4.00
Asters.....	.50 to 1.50
Gladioli.....	1.00 to 3.00
Lily of the Valley.....	2.00 to 4.00
Smilax.....	10.00 to 12.00
Galax.....	\$1.25 per 1000
Common Ferns.....	.20

IOLA, KAN.—A. L. Harmon will spend the next few months in California, in search of a place to locate in the florists' business.

CHRYSANTHEMUMS

Strong young plants in 2 and 2½-inch pots: Col. Appleton, Jerome Jones and Merry Xmas, \$3.00 per 100.

ASPARAGUS

Plumosus and Sprengerl, strong plants from 2¼-inch pots, \$3.00 per 100; \$25.00 per 1000.

Asparagus Plumosus, 500 strong plants from bench, \$10.00 per 100.

ENGLISH IVY, strong plants from 3-inch pots, \$5.00 per 100.

30,000 field-grown CARNATION PLANTS, prices and varieties on application.

I. H. MOSS, Govanstown, Baltimore, Md.

Mention Review when you write.

FRANK M. ELLIS,

Wholesale Florist,

1316 Pine Street,

St. Louis, Mo.

PLENTY OF STOCK IN ALL FLOWERS IN SEASON.
A COMPLETE LINE OF FLORISTS' SUPPLIES.
Mention the Review when you write.

LEADING RETAIL FLORISTS.

The following retail florists are prepared to fill orders from other florists for local delivery on the usual basis. If you wish to be represented under this heading now is the time to place your order.

ALEXANDER McCONNELL, 546 Fifth Avenue,
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New York City.

Telegraphic orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.
Cable Address: **ALEXCONNELL.** Telephone Calls: 340 and 341 38th Street.
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ORDERS FOR....

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WILL BE FILLED BY

P. J. HAUSWIRTH,
227 Michigan Ave.
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David Clarke's Sons

2139-2141 Broadway,
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New York City.

Out-of-town orders for delivery in New York carefully and promptly filled at reasonable prices.

M.A. Rowe

1294 BROADWAY,

In the heart of NEW YORK CITY.

TEL. 2270 38TH ST.

OUR MOTTO—"THE GOLDEN RULE."

HAVE YOUR

RETAIL ORDERS

FILLED BY THE

GEO. WITTBOLD CO.,
1657-59 Buckingham Place, CHICAGO.

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602 Davis St., EVANSTON, ILL.

Suburb of Chicago.

Out-of-town orders of all kinds given careful and prompt attention.

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1610 to 1620 N. Illinois St., Indianapolis, Ind.

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EUCLID AVENUE, CLEVELAND, OHIO.

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Telephone Central 2522. 51 Monroe St., **CHICAGO.**

Orders for MINNESOTA or the North-west will be properly executed by

AUG. S. SWANSON ST. PAUL or MINNEAPOLIS.

WILLIAM L. ROCK, FLORIST,

1116 Walnut St., **Kansas City, Mo.**

JOLIET, ILL.—Work is in progress at the corner of Cass street and Casseday avenue on a store and show houses for the Chicago Carnation Company.

ELMIRA, N. Y.—H. C. Mandeville, president of the Board of Trade, issues an open letter in which he states that he is in communication with a company which wishes a site for greenhouses to cover a million feet and to cost \$400,000. A bonus is expected to secure the concern.

BLOOMSBURG, PA.—Davis Bros. are erecting a carnation house 26x500 feet. They will plant a large part of it with their new scarlet variety, Crisis. The Dillon Greenhouse Mfg. Co. has the contract and is installing the patent composition gutters and posts and Eureka construction.

HUGH GRAHAM

104 So. 13th Street, Philadelphia.

I am in a position to handle any orders for Philadelphia or vicinity, either large or small; would be pleased to have correspondence with the trade in general.
Our facilities for handling orders, either for flowers or plants, are of the very best.

Special Wheat Sheaf Announcement!

FOR THE MONTH OF AUGUST ONLY.

A deduction of 10% allowed on Sheaves from list price ordered by the dozen or more during the above month.

H. BAYERSDORFER & CO.

Importers and Manufacturers
of Florists' Supplies.

50-56 N. 4th Street,

Philadelphia, Pa.

New Catalogue on application.

The BEST are the CHEAPEST in the end.

Enchantress.....	per 100, \$14.00	Per 1000, \$120.00
Gov. Wolcott.....	" 9.00	" 80.00
Queen Louise.....	" 7.00	" 65.00
Lawson.....	" 7.00	" 65.00
Joost.....	" 5.00	" 45.00

Lillian Pond.....	per 100, 10.00
Prosperity.....	" 7.00
Boston Market.....	" 8.00

Lorna, Admiral Cervera, Morning Glory,
Gomez, Dorothy, Crane, Norway.
Cressbrook, G. Lord and Flora Hill,
all \$6.00 per 100. —Cash.—

C. L. HOWE,

CARNATION
SPECIALIST, Dover, N. H.

Mention the Review when you write.

YOU CAN PLANT AT ANY TIME ROSES FROM 4 AND 5-INCH POTS.

Crimson and Yellow Rambler, Coquette des
Blanches, Clothilde Soupert, etc., fine, clean
plants 9c. Large flowered Clematis, finest pur-
ple, lavender, white and pink sorts, 2 year, from
5-inch pots, 18c; 1-year, from 3-inch, 9c. Clematis
Paniculata, 2-year, from 5-inch pots, 10c; extra
from 6-inch, 18c. Ampelopsis Veitchii, fine, from
5-inch, 15c; 4-inch, 10c; from 3-inch, 5c. Also fine
young stock, this season's propagation—Large
flowered Clematis, 3½-inch, 6c. Clematis Pan-
iculata, 3c. Amp. Veitchii 3c. Rooted cuttings,
Hydrangea P. G., 2c. Weigelia Rosea and varie-
gated, 2c. Japan Goldleaf Honeysuckle, 2c.
Packed free for cash.

W. H. SALTER, ROCHESTER, N. Y.

Mention the Review when you write.

CARNATIONS!

Extra Fine, Healthy, Field-Grown Plants.

The following varieties, ready for immediate
planting, \$6.00 per 100. Lawson, Prosperity,
Crane, Lorna, Guardian Angel, White Cloud,
Bradt, Marquis.

CHRIS. HANSEN, - St. Paul, Minn.

Mention the Review when you write.

Asparagus Sprengeri!

2-inch pots.....	\$2.00 per 100
2½-inch pots.....	2.50 "
3-inch pots.....	3.00 "

We prepay express charges and guarantee
satisfaction.

LOOMIS FLORAL CO., - LOOMIS, CAL.

Mention The Review when you write.

ARAUCARIA EXCELSA

2-inch pots, two tiers, \$16.00 per 100.

Araucaria Imbricata

2½-inch pots, strong plants, \$10 per 100.

CALLA LILIES—	100	1000
6-inch circumference.....	\$5.00	\$45.00
5 " " " " " " " " " " " "	4.50	40.00
4 " " " " " " " " " " " "	4.00	35.00
2½ to 3-inch " " " " " " " " " " " "	2.50	22.50
Narcissus—Paper White, extra size	1.00	7.50
large size " " " " " " " " " " " "	.75	5.00
Freesia Bulbs—Extra selected	.50	4.00
Large " " " " " " " " " " " "	.35	2.50
Amaryllis Belladonna—Ready to bloom	\$1.00	
per doz.; \$8.00 per 100.		

F. LUDEMANN,

3041 Baker St., SAN FRANCISCO, CAL.

Mention The Review when you write.

Zirngiebel GIANT PANSIES

Market and Fancy Strains

are the finest grade this season that we
ever sent out, when large size and colors
are wanted.

As growers, we know every strain of
note in cultivation and we can recom-
mend our pansies as unequalled.

New crop seed ready now in trade
packages of either strain, at \$1.00 each.

Denys Zirngiebel

NEEDHAM, MASS.

Mention the Review when you write.

SMILAX

Strong, 2-inch.....	\$1.25 per 100
Asparagus Sprengeri, 2-inch, \$2.00 per 100	
Beauties, 3-inch.....	5.00 "
Brides and Maids, 3-inch...	4.00 "

JOHN BROD, - Niles Center, Ill.

Mention Review when you write.

JOHN SCOTT,

Keep St. Greenhouses, Brooklyn, N. Y.

Headquarters
...for Bostons

Fine "PIERSONI" in 2½-inch pots.

The Cottage Gardens' Collection of Cannas.
Grand stock. Send for particulars.

Mention Review when you write.

Always mention the Florists' Review
when writing advertisers.

PITTSBURG.

The Market.

A very common expression in this sec-
tion is "Business is gescheft," but it
has not held good the past week; the
only thing one can say is that it is dead
in every sense of the word. It looks as
if all the flower buyers had left this part
of the country.

The wholesale houses and the mar-
kets are swamped with gladioli and asters,
about the only good flowers we are get-
ting now. There are a few good roses,
but not enough to go around, if there
was any business.

Notes.

A number of the boys have had their
vacations and are back at work, looking
the better for their trips.

A. T. Lorch, of De Haven, Pa., has
built a new carnation house, 40x300,
which is about planted.

T. P. Langhans, of the Pittsburgh Cut
Flower Co., left last Monday with his
family for Chautauqua. If his fishing
results compare with his expectations
and preparations, his friends here will
have to save all their spare change to
pay express charges on the fish he will
send them!

The Florist Club met last Tuesday
evening to cuss and discuss gladioli; also
the trip to the convention. The best
rate from here is \$17 for the round
trip. A large party expects to attend.

Miss E. B. Maxwell, of Wilkinsburg,
is visiting Chicago and other western
points and will look in at the conven-
tion.

Karl Klinke, bookkeeper for the Cut
Flower Co., is visiting his brother at
Muncie, Ind.

Ernst Zieger, who has just returned
from a trip through the east, goes to
Cambridge Springs with his wife, for a
ten days' rest. Hoo-Hoo.

MINNEAPOLIS, MINN.—The sweet pea
show given in the Dayton building, under
the auspices of the Journal, was a pro-
nounced success. It was an amateurs'
exhibition, but the florists got some good
advertising out of it.

I AM very well pleased with returns
from the REVIEW.—FRANK N. PIERSON,
Cromwell, Conn.

THE AMERICAN

CARNATION

HOW TO GROW IT.
FULLY ILLUSTRATED.

By C. W. WARD.

A PRACTICAL work on Carnation grow-
ing; complete in every particular,
including the full calendar of operations
for the year, with chapters on Soils, Ferti-
lizers, Insects, Diseases, Heating. Each
and every phase of commercial Carnation culture
treated clearly and comprehensively. The
book contains 200 large pages finely printed.
It should be in the hands of every grower.

Sent carriage paid on receipt of \$3.50.

Florists' Publishing Company,
Caxton Bldg., Chicago.

CLASSIFIED PLANT ADVERTISEMENTS.

Rates for advertisements under this head, 10 cents a line net, per insertion. New advs. and changes must reach us by Wednesday morning at latest to secure proper classification in issue of Thursday.

ABUTILONS.

Abutilons in variety, 2½-in., \$2.50 100; \$20.00 1000. R. Vincent, Jr., & Son, White Marsh, Md.

ACALYPHAS.

Acalypha Macaefeeana, \$3.50 100. R. Vincent, Jr. & Son, White Marsh, Md.

ALYSSUM.

Alyssum, double, 2½-in. pots, \$3.00 100. N. Smith & Son, Adrian, Mich.

AMPELOPSIS.

Ampelopsis Veitchii, good plants, 2½-in. pots, \$3.00 per 100. E. C. HAINES, Bedford Station, N. Y.

Ampelopsis Veitchii, strong seedlings, \$1.00 100. Cash. Chas. B. Stahl, 27 So. 11th St., Philadelphia.

Ampelopsis Veitchii, 5-in., 15c; 4-in., 10c; 3-in., 5c. W. H. Salter, Rochester, N. Y.

ARAUCARIAS.

Araucaria excelsa, raised in Belgium from top cuttings only.

	Tiers.	High.	Each.
5½-in. pots	3 to 4	10 to 12 in.	50c
5½-in. pots	3 to 4	10 to 12 in.	60c
5½-in. pots	3 to 4	13 to 15 in.	75c
6-in. pots, 4 to 5 tiers, 16 to 19 inches high,			80c, 90c and \$1.00 each.

GODFREY ASCHMANN, 1012 Ontario St., Philadelphia, Pa.

DREER'S SPECIAL OFFER. We have in stock about 15,000 ARAUCARIAS, on which we are in a position to offer special values.

H. A. DREER, 714 Chestnut St., Philadelphia.

Araucaria excelsa, 2-in. pots, 2 tiers, \$16.00 100. A. imbricata, 2½-in. pots, strong plants, \$10.00 100.

F. LUDEMANN, 3041 Baker St., San Francisco, Cal.

ARBOR-VITÆ.

Blota aurea nana, 12-15 in. high, very compact, \$20.00 100; 18-24 in. high, very compact, \$40.00 100. Not less than 40 of a sort at 100 rates. P. J. BERCKMANS CO., Augusta, Ga.

ASPARAGUS.

300 Asparagus plumosus, 3-yr.-old roots, right for ground bed for growing strings, \$3.00 per 100 to close out. They are strong and healthy. Cash with order. H. P. Owens, Central Valley Greenhouses, Toughkenamon, Pa.

Asparagus comorensis, 3-in. pots, \$10.00 100. Extra strong, ready to shift. A. Sprenger, 2½-in., \$4.00 100. A. plumosus nanus, 2½-in., \$5.00 100. A. tenuissimus, 2½-in., \$4.00 100. Nathan Smith & Son, Adrian, Mich.

Asparagus Sprenger, our specialty. All strong plants. Per 100: 2½-in., \$3.00; 3-in., \$4.00; 4-in., \$8.00; 5-in., \$15.00; 6-in., \$30.00. Special price on large lots.

J. H. BORNHOEFT, Tipton, Ind.

Asparagus Sprenger and plumosus, strong plants, 2½-in., \$3.00 100, \$25.00 1000. 500 strong A. plumosus plants from bench, \$10.00 100. ISAAO H. MOSS, Govanstown, Baltimore, Md.

Asparagus plumosus, 2-in., ready for 3-in., \$3.00 100. A. Sprenger, 2-in., \$2.00 100; 4-in., extra fine, \$6.00 10; 5-in., very large and fine, \$10.00 100. N. P. COLBERG, Morris, Ill.

Asparagus plumosus nanus, strong 2½-in., \$3.00 100; \$25.00 1000. A. Sprenger, \$2.00 100; \$15.00 1000. Cash, please. G. M. Naumann, Doan St., Cleveland, O.

Asparagus plumosus nanus, from flats, \$2.00 100; \$15.00 1000, prepaid. A. Sprenger, 2 and 2½-in., strong, \$2.00 100; 3-in., \$2.50 100. Bell Conservatory Co., Sacramento, Cal.

Asparagus Sprenger, from flats transplanted, \$5.00 per 1000. 3-in. pots, \$10.00 per 1000. To clean out. Express prepaid to your city.

CALIFORNIA CARNATION CO., Loomis, Cal.

Asparagus plumosus, fine plants, 2 and 2½-in. pots, \$3.00 100; \$25.00 1000. Cash. Will exchange for young palms.

Theodore Miller, Ironton, Ohio.

Asparagus Sprenger, 2½-in., heavy, \$2.00 100. \$15.00 1000; 4-in., heavy, \$7.50 100. 50 at 100 rates. Cash with order.

HASKELL AVE. FLORAL CO., Dallas, Tex.

Asparagus Sprenger, from flats, \$1.00 100. \$6.00 1000; 5000 for \$25.00; 2½-in., \$1.50 100. \$12.50 1000.

S. Whitton, 15 Gray Ave., Utica, N. Y.

Well-grown Asparagus Sprenger, from 3-in., \$2.50 100, \$20.00 1000; seedlings, 75c 100, \$5.00 1000.

S. S. PENNOCK, 1612 Ludlow St., Philadelphia.

Asparagus plumosus, strong 2½-in., \$4.00 100, \$35.00 1000. Cheap for this quality. THE GEORGE WITTBOLD CO., 1657 Buckingham Place, Chicago, Ill.

A. plumosus, 3-in., \$5.00; 4-in., \$8.00 100. Sprenger, 2-in., \$2.00; 3-in., \$5.00; 4-in., \$7.00 100. A. G. Fehr, Belleville, Ill.

Asparagus Sprenger, extra strong. Per 100: 2½-in., \$3.00; 3-in., \$4.00; 4-in., \$6.00. Critchell's, Avondale, Cincinnati, O.

Asparagus Sprenger, 2-in. pots, \$2.00 100. A. plumosus nanus, \$2.50 100. Cash. Jos. H. Cunningham, Delaware, Ohio.

Asparagus Sprenger, 2-in., \$2.00; 3½-in., \$2.50; 3-in., \$3.00 100. Express prepaid. LOOMIS FLORAL CO., Loomis, Cal.

Fine plants of Asparagus Sprenger; 2000 plants, 3-in. pots, \$3.50 per 100. JOHN HACK, Fort Scott, Kan.

Asparagus Sprenger, extra good for 6 and 8-in. pots, \$25.00 to \$35.00 100. A. Duebendorfer, Elwood, Ind.

Asparagus Sprenger, 2-in., \$2.00 100. A. plumosus, 2½-in., \$3.50 100. STORRS & HARRISON CO., Painesville, O.

Asparagus Sprenger and plumosus, extra strong, 2-in., \$30.00 1000. C. BETSCHER, Canal Dover, O.

Asparagus Sprenger, 2, 3 and 4-in. Plumosus, 2, 2½, 3, 4 and 5-in. Geo. A. Kuhl, Pekin, Ill.

Asparagus plumosus, 3-in., at the rate of \$10.00 per 100. Godfrey Aschmann, 1012 Ontario St., Phila.

Asparagus Sprenger, from flats, \$1.00 100; \$8.00 1,000. Exotic Nursery, Santa Barbara, Cal.

ASPARAGUS PLUMOSUS NANUS. Cut strings, 50 cents each. W. H. ELLIOTT, BRIGHTON, MASS.

Asparagus Plumosus nanus, fine, 2-in., \$2.50 per 100. Byer Bros., Chambersburg, Pa.

Asparagus Sprenger, from flats, 75c 100; \$5.00 1000. Chas. Alf & Co., Austin, Texas.

Asparagus plumosus, 2-in. pots, \$3.00 per 100. Wm. Keir, Pikeville, Md.

Asparagus Sprenger, 2-in., \$2.50 per 100. C. Winterich, Defiance, Ohio.

Asparagus Sprenger, 2½-in., \$1.25 100. R. O. Henderson, Iola, Kan.

Asparagus Sprenger 2-in., \$2.00 100. John Brod, Niles Center, Ill.

Asparagus plumosus, all sizes. A. S. MACBEAN, Lakewood, N. J.

ASPIDISTRAS.

Aspidistra, green, 4-in., \$25.00 100. A. G. Fehr, Belleville, Ill.

ASTERS.

Asters, from 3-in. pots, 3c each. Cash. M. F. LA ROCHE, Collingdale, Pa.

BAY TREES.

Bay Trees. Have just received a fine lot of standards and pyramids. F. W. O. Schmitz, Prince Bay, N. Y.

Among our specialties, bay trees, boxwood, palms, evergreens, etc. BOBBINK & ATKINS, Rutherford, N. J.

BEGONIAS.

Begonia Gloire de Lorraine, 2½-in. pots, \$15.00 per 100. Write for prices on large lots. Stock guaranteed absolutely free from disease. THOMAS ROLAND, Nahant, Mass.

Begonia incarnata, 2½-in. pots, \$5.00 100. B. manicata aurea, 2½-in., \$6.00 100. B. Rex, 3-in., \$6.00 100. Nathan Smith & Son, Adrian, Mich.

Rex begonias, a number of the best varieties, 2-in., \$4.00 100. Begonia aurea manicata, 2-in., \$4.00 100. N. O. CASWELL, Delavan, Ill.

Begonia Vernon, strong plants from flats, showing bud, \$1.00 and \$1.50 per 100. I. E. BAILEY, Swampscott, Mass.

Begonia Gloire de Lorraine, strong 2-in., \$15.00 100, \$140.00 1000. J. H. Rebstock, 586 Main St., Buffalo, N. Y.

Begonia Rex in assortment, 3-in., \$6.00 100. Nanz & Neuner, Louisville, Ky.

Mammoth begonias, in flower, 4-in., \$8.00 100.

S. Whitton, 15-17 Gray Ave., Utica, N. Y.

Begonia de Lorraine, 2½-in., \$15.00 100; \$140.00 1000. Julius Roehrs, Rutherford, N. J.

Mixed begonias, from 2½-in. pots, 8c each. Cash. M. F. La Roche, Collingdale, Pa.

BERRIED PLANTS.

Christmas peppers and Jerusalem cherries. Have fine lot of plants, 2½-in. pots, at \$2.50 100. JOHN BONNER, 301 Beecher st., Syracuse, N. Y.

Jerusalem cherry, from 2½-in. pots, 2½c each. Celestial peppers, 4-in., 10c each. Cash. M. F. La Roche, Collingdale, Pa.

Capsicum annuum, field plants, in bloom, short and stocky. A bargain at 3c cash. BYER BROS., Chambersburg, Pa.

Jerusalem cherries, 2½-in. pots, to clean out, \$2.00 per 100. Godfrey Aschmann, 1012 Ontario St., Phila.

BOX WOOD.

Among our specialties, boxwood, bay trees, palms, evergreens, etc. BOBBINK & ATKINS, Rutherford, N. J.

BULBS.

	12.	100.	1000.
Freesia refracta alba,			
¾-inch	\$0.15	\$0.45	\$3.50
½-inch	.20	.65	5.00
¾-inch	.25	1.00	7.50
Monsters	.30	1.50	10.00
Calla ethiopica, white,	12.	100.	1000.
1½ to 1¾-inch diameter	\$0.65	\$4.50	\$40.00
1½ to 2-inch diameter	.85	5.50	50.00
2 to 2½-inch diameter	1.50	8.00	75.00

Prices for freesias and callas include delivery by express or freight.

L. Harrisil, Al stock, 12. 100. 1000. 5x7, f. o. b. New York.....\$0.55 \$0.75 \$3.50 6x7, f. o. b. New York......65 4.25 40.00 7x9, f. o. b. New York..... 1.00 8.00 72.00 9x11, f. o. b. New York..... 2.00 15.00 H. H. Berger & Co., 47 Barclay St., N. Y.

Freesia bulbs, extra selected, 50c 100, \$4.00 1000; large, 35c 100, \$2.50 1000. Amaryllis Beladonna, ready to bloom, \$1.00 doz., \$8.00 100. Narcissus paper white, extra size, \$1.00 100. \$7.50 1000; large size, 75c 100, \$5.00 1000. Calla lilies, 6-in. circ., \$5.00 100, \$45.00 1000; 5-in., \$4.50 100, \$40.00 1000; 4-in., \$4.00 100. \$35.00 1000; 2½ to 3-in., \$2.50 100; \$22.50 1000. F. LUDEMANN, 3041 Baker St., San Francisco, Cal.

Calla bulbs now ready, and they are fine, 1-in. in diameter, \$2.50 100, \$20.00 1000; 1 to 1½-in. in diameter, \$3.50 100, \$30.00 1000. Delivered. California Carnation Co., Loomis, Cal.

Bulbs, Plants, Seeds, Hyacinths, Tulips, Narcissus, Lilies, etc. Special prices on application. JAMES VICK'S SONS, Rochester, N. Y.

Choice strains of florists' BULBS and SEEDS our specialty. Send for trade catalogue. SCHLEGEL & FOTTLER CO., Boston, Mass.

Lillium Harrisil, now ready for delivery; fine, pump bulbs. W. W. BARNARD & CO., 116 Kinzie St., Chicago.

Send for our annual trade list of bulbs, just published. J. M. THORBURN & CO., 36 Cortlandt St., N. Y.

CACTI.

Cacti. Choice, strong cuttings and roots, 30 var., sold in no other way, \$3.00 100; \$2.00 per 50; 25, all different, \$1.50. Express only. GEM NURSERY, Los Gatos, Cal.

CALADIUMS.

200 caladiums, 8c each. David S. Mach, Bridgeport, Conn.

CARNATIONS.

Field-grown carnations from good healthy stock and extra selected cuttings. These are fine plants and guaranteed as represented. Gov. Wolcott, \$8.00; Queen Louise, \$5.00; Maceo extra large, \$5.00; Crane, \$5.00; Fair Maid, late propagated, \$6.00; Joost, \$4.00; Ward's Improved Flora Hill, \$5.00. BACKER & CO., Billerica, Mass.

Field-grown carnation plants in fine condition; strong and healthy. 3,000 Crane, 1,000 White Cloud, 2,000 Cressbrook, 1,500 Norway, 2,000 Genevieve Lord, 1,500 Q. Louise, \$5.00 100; \$40.00 1,000. J. A. BUDLONG & SON CO., 171 Canal St., Providence, R. I.

Extra fine, healthy field-grown carnations, ready to plant. Lawson, Prosperity, Crane, Lorna, Angel, W. Cloud, Bradt, Marquis, \$6.00 100. CHRIS. HANSEN, St. Paul, Minn.

PLEASE MENTION THE REVIEW WHEN WRITING ANY OF THESE ADVERTISERS.

FIELD-GROWN CARNATIONS.

	100.	1000.
Harlowarden, crimson	\$12.00	\$100.00
Marshall Field, variegated.....	12.00	100.00
Her Majesty, white.....	10.00	80.00
Tiger, variegated	10.00	75.00
Mrs. Nelson, pink	6.00	50.00
Mrs. Higginbotham, light pink..	5.00	45.00
Palmer, scarlet	5.00	40.00
Golden Beauty, yellow	6.00	.....
Cressbrook, pink	6.00	50.00
Gaiety, variegated	5.00	40.00
Equiper, pink	5.00	40.00
Lawson, cerise	6.00	50.00
Prosperity, variegated	5.00	40.00
Norway, white	5.00	40.00
America, scarlet	4.00	30.00
Chicot, white	4.00	30.00
Roosevelt, crimson	5.00	40.00
Lorna, white	5.00	40.00
Flora Hill, white	5.00	40.00
White Cloud, white	5.00	40.00

OUR NOVELTIES FOR SEASON 1903-4.

ORDERS BOOKED NOW.

CRUSADER, scarlet seedling from Lawson and Crane. RELIANCE, large pure white. FLAMINGO, scarlet (Marquisee), Indianapolis, cerise pink (Baur & Smith).

CHICAGO CARNATION CO., Joliet, Ill.

FIELD-GROWN CARNATIONS.

It has been a good growing season and plants are in fine shape, strong and bushy.

	100.	1000.		100.	1000.
Lawson	\$8.00	\$50.00	Chicago	\$5.00	\$40.00
G. Angel	4.00	35.00	Hill	5.00	40.00
Joost	3.00	25.00	Dorothy	6.00	50.00
Lord	3.00	25.00	Nelson	6.00	50.00
Triumph	4.00	35.00	Prosperity	8.00	75.00
Higginbotham	5.00	40.00	Mrs. Ine	4.00	35.00
Crane	5.00	40.00	Norway	5.00	40.00
Palmer	4.00	35.00	W. Cloud	5.00	40.00
Bradt	5.00	40.00			

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded. Cannot accept orders for less than 50 of a variety.

P. REINBERG, 51 Wabash Ave., Chicago.

Field-grown carnations, strong, healthy stock.

Armazindy	General Maceo
Buttercup	Gold Nugget
G. H. Crane	Harry Fenn
Cressbrook	Lorna
Dorothy	Morning Glory
Eldorado	Mrs. G. M. Bradt
Flora Hill	Prosperity
Genevieve Lord	Queen Louise
Glacier	White Cloud
1st size, \$8.00; 2d size, \$6.00 per 100.	Daybreak
Alaska	Melba
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Primula obconica, alba and rosea, Forb., \$2.00 100. Chinese primroses, 2-in. pots, \$2.00 100.

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Baby primroses, 2 1/2-in., \$1.50 100; 400 for \$5.00; Chinese, \$2.00 100; 300 for \$5.00.

S. Whitton, 15-17 Gray Ave., Utica, N. Y.

Primula obconica grandiflora, fine strain, mixed colors, 2-in., \$2.00 per 100.

N. O. CASWELL, Delavan, Ill.

Primroses, Chinese, white, light pink and red, 3-in., \$5.00 100. N. Smith & Son, Adrian, Mich.

Primula obconica, in flats, ready to pot, \$1.00 100.

C. Whitton, City St., Utica, N. Y.

PLEASE MENTION THE REVIEW WHEN WRITING ANY OF THESE ADVERTISERS

ROSES.**SURPLUS STOCK.**

	Per 100.
American Beauty 2 1/2-inch	\$5.00
Liberty 3-inch	5.00
Brides 2 1/2-inch	2.50
Brides 3-inch	2.50
Maids 2 1/2-inch	2.00
Maids 3-inch	2.50
Meteors 3 1/2-inch	2.50
Ivory 2 1/2-inch	2.00
Ivory 3-inch	2.50
Golden Gate 2 1/2-inch	2.00
Golden Gate 3-inch	2.50

W. IETOR BROS., 51 Wabash Ave., Chicago.

WINTER BLOOMING ROSES.

Fine healthy stock from selected cuttings. Sunrise, American Beauty, La France, 3-in., \$5.00 100.

Bride, Maid, Golden Gate, Meteor, Safrano, Elm Silene, Mme. Hoste, Papa Gontier, 3-in., \$5.00 100.

GRAFTED ROSES, fine bushy plants in 3 1/2 and 4-in. pots. Liberty and Ivory, \$15.00 100. Bride, Golden Gate, Maid and Kaiserin, \$12.00 100.

J. L. DILLON, Bloomsburg, Pa.

Sterilized-soil-grown roses. We offer the following surplus stock made from selected cuttings:

1300 Beauties, 3-inch	\$8.00 100
1350 Liberties, 3-inch	8.00 100
1150 Maids, 3-inch	5.00 100
1000 Brides, 3-inch	5.00 100

They are ready for 4-in. or benching. Cash or C. O. D. J. LOUIS LOOSE, Washington, D. C.

AMERICAN BEAUTIES, 3-in., \$6.00 100; \$50.00 1000. Also a few thousand **GOLDEN GATES**, 2 1/2-in., \$2.50 100; \$20.00 1000, and **IVORY**, 2-in., \$8.00 100; \$25.00 1000.

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.

P. REINBERG, 51 Wabash Ave., Chicago.

	Per 100.	Per 1000.
3-in. Bride	\$3.50	\$30.00
3-in. Maid	3.50	30.00
3-in. Ivory	3.50	30.00
3-in. American Beauty	6.00	50.00

WM. O. SMITH, 61st and Market Sts., Philadelphia, Pa.

Strong, healthy stock at low prices to close out. Brides, Bridesmaids, Ivory, Meteors, 3-in., \$4.00 100; \$35.00 1,000. Brides, Maids, Ivory, Gates, 2 1/2-in., \$2.50 100; \$20.00 1,000; 200 at 1,000 rate. Stock guaranteed.

W. H. GULLETT & SONS, Lincoln, Ill.

American Beauties	400 4-in., \$12.00 100
Meteors	300 4-in., \$8.00 100
Brides	500 2 1/2-in., \$3.50 100
Baldwin	250 2 1/2-in., \$5.00 100

W. J. & M. S. VESEY, Fort Wayne, Ind.

Roses, surplus stock, nice and clean. Bride, Bridesmaid, Perle and Wootton, 3 1/2-in. pots, \$5.00 per 100; \$40.00 per 1000. Golden Gate, 2-in. pots, \$2.00 per 100. Cash.

JOHN WHITE, Elizabeth, N. J.

3000 Brides and 1000 Maids, 2-yr.-old, 10c straight. Perles, Meteors, Maids, Brides and Golden Gates, on own roots, this year's stock, 6 and 8c each.

D. S. BEACH, Box 253, Bridgeport, Conn.

Bride, Bridesmaid, Golden Gate and Wootton roses, 4-in., \$8.00 100; \$70.00 1000. Grafted, \$15.00 100.

GEO. L. PARKER, Washington and Rockwell Sts., Boston, Mass.

ROSE PLANTS, healthy and strong. Beauties, 3-in., \$6.00; 3 1/2-in., \$8.00 per 100. Brides, 3-in., \$5.00; 4-in., \$7.00 100. Maids, 3-in., \$4.00 4-in., \$7.00 100. A. C. BROWN, Springfield, Ill.

Rose plants. Fine healthy stock of Liberty, Maids and Beauties in 3-in., and a few hundred fine Beauties in 2 1/2-in. Cheap. Write for prices.

A. C. CANFIELD, Springfield, Ill.

Clearance sale rose plants. 1000 American Beauties, 3-in., \$35.00 1000; 4000 Meteors, 3-in., \$25.00 1000; 1500 Meteors, 3 1/2-in., \$30.00 1000.

BRANT & NOE, Forest Glen, Chicago, Ill.

Roses, strong plants from 3-in. pots. 450 Brides, 400 Maids, 150 Perles, 100 Ivory, 250 Golden Gates. Make offer to close out.

The Blackman Floral Co., Evansville, Ind.

600 Golden Gate roses, strong own root stock, from 3 1/2-in. pots, \$4.00 per 100. Will exchange for carnation plants.

ONAWAY GREENHOUSES, Boonton, N. J.

100 each of 3 and 4-in. Ivory and Maids, 250 Brides, 3 and 4-in., the lot at \$4.00 per 100 to close out.

WM. F. KASTING, Buffalo, N. Y.

Brides and Maids, strong plants, 3-in., \$5.00 per 100. Chas. E. Meehan, Locum and Musgrove Sts., Germantown, Pa.

Surplus rose plants, 700 Bridesmaid, 300 Bride, 3 and 4-in.; \$25.00 will buy the lot.

C. H. HOLLIED, Maryville, Mo.

Roses, extra strong. American Beauty, 3 1/2-in., \$10.00 100. Golden Gate, 3 1/2-in., \$8.00 100.

H. Weber & Sons, Oakland, Md.

Crimson and yellow Ramblers, C. des Blanchons, O. Souperet, etc., 4 and 5-in., 9c.

W. H. Salter, Rochester, N. Y.

GOLDEN GATE roses, thrifty plants from 2 1/2-in. pots, \$2.00 100; \$17.50 1000.

WM. B. SANDS, Lake Roland, Baltimore, Md.

Roses. Maids, 2 1/2-in., \$22.50 per 1000. Wootton, \$3.00 and \$5.00 per 100.

J. H. BORNHOFF, Tipton, Ind.

Ivory, Bride, Maid and Sunrise roses too cheap to quote here. Write for prices.

W. W. COLES, Kokomo, Ind.

Roses. American Beauties, 3-in., \$8.00 100.

La France, 3-in., \$6.00 100.

Nanz & Neuner, Louisville, Ky.

Roses, all the best varieties in 2, 2 1/2, 3 and 4-in. Elegant stock. Write

GEO. A. KUHL, Pekin, Ill.

BRIDE and MAID roses, 2 1/2-inch pots, \$4.00 per 100; \$35.00 per 1000.

W. H. ELLIOTT, Brighton, Mass.

200 fine 4-in. Ivory, 200 fine 4-in. Golden Gate, at \$5.00 per 100.

JOSEPH BANCROFT & SON, Cedar Falls, Ia.

Surplus roses, 300 Brides, 300 Maids, 100 Gates, 3-in., \$2.50 100.

I. L. Pillsbury, Galesburg, Ill.

Maid, Perle, Meteor, Ivory and Gate roses, fine 3-inch, \$4.00 per 100.

C. C. POLLWORTH CO., Milwaukee, Wis.

Surplus roses, fine goods. See displayed adv. in this issue.

Poehlmann Bros. Co., Morton Grove, Ill.

American Beauty plants, choice 4-in. stock, \$5.00 per 100.

Bassett & Washburn, 76 Wabash Ave., Chicago.

Bridesmaid roses, 3-in. pots, good stock, \$3.00 per 100.

JOSEPH BRADBURY, South Orange, N. J.

Extra choice Bridesmaids, 3-in., \$30.00 1000.

INDIANAPOLIS FLOWER & PLANT CO., Indianapolis, Ind.

Beauties, 3-in., \$5.00; Brides, Maids, 3-in., \$4.00 100. John Brod, Niles Center, Ill.

Ivory roses, 3-in., fine, \$4.00 per doz.

Crabb & Hunter, Grand Rapids, Mich.

Manetti stock for fall delivery.

HIRAM T. JONES, Elizabeth, N. J.

RUBBERS.

Orders for my 3-in. RUBBERS will be taken now for August delivery. Be quick if you wish some of this extra fine stock. Can fill no orders now—stock all sold.

A. C. OELSCHIG, Savannah, Ga.

Ficus elastica, rooted cuttings, \$15.00 per 100; 4-inch, \$22.00 per 100; 6-inch pots, 3 feet high, \$40.00 per 100. Cash.

WM. O. SMITH, 61st and Market Sts., Philadelphia, Pa.

Ficus elastica, imported, 4-in., 25c each.

Godfrey Aschmann, 1012 Ontario St., Phila.

SEEDS.

New crop smilax seed, pkt., 10c; oz., 25c; lb., \$2.50. Shasta daisy, 25c 100; \$2.00 1000. A.

Sprengeri, fresh crop, 20c 100; \$1.00 1000. A. decumbens, 1.00 100; \$7.50 1000. P. canariensis, true, 30c 100; \$2.50 1000. P. reclinata, true, 40c 100; \$3.00 1000. Primula sinensis umbriata, in pure white, blood red, crimson, rose, white with yellow eye, blue, 25c 100; \$1.75 1000. All colors mixed, 20c 100; \$1.50 1000. Cineraria hyb. max. and dwf., pkt., 25c; 5 pkts., \$1.00. Calceolaria hyb., tigered and spotted, pkt., 25c; 5 pkts., \$1.00. Pansy, the finest prize strains. Berger's Never-fail mixture, all sorts, all colors, 1000 seeds, 25c; 5000 seeds, \$1.00; oz., \$3.00.

H. H. BERGER & CO., 47 Barclay St., N. Y.

New crop, home raised, very choice seeds. **WALLFLOWERS**, 6 shades, mixed. **HOLLY-HOOKS**, double or single, 9 colors and shades, white to garnet, mixed or 5 colors separate. **SCABIOSA**, white, pink, garnet, mixed or garnet separate. **MARIGOLDS** mixed. **FRENCH DOUBLE MARIGOLDS**, mixed. **SWEET PEAS**, white, pink, red, yellow and lavender, mixed or separate. **SWEET ALYSSUM**, white. **MORNING GLORIES**, extra fine, mixed.

ALL KINDS VEGETABLE SEEDS.

Very large trade pkts., 5c, 15c, 25c postpaid. 5 pkts. choice seed with each \$1.00 order.

GEM NURSERY, Los Gatos, Cal.

XXX SEEDS. Chinese primrose, large-flowering, fringed, single and double; 15 varieties, mixed, 500 seeds, \$1.00; half pkt., 50c. Cinerarias, large-flowering, dwarf, mixed, 1000 seeds, 50c. Primula obconica grand., large-flowering, 1000 seeds, 50c. Daisy, double giant, white and rose, mixed, 1000 seeds 25c. Giant pansy seed, large-flowering, critically selected, 5000 \$1.00; half pkt., 50c. 500 seeds of giant Mme. Perret added to every \$1.00 pkt. of giant pansy seed.

JOHN F. RUPP, Shiremanstown, Pa.

XXX PANSY SEED.

If you want the finest large and fragrant pansy flowers try Woodbury's noted seeds. Seven pkts. (700 seeds) fine assorted, 50c. Finest German and Giant flowers, French strain, blended or either separate, 2000 seeds, 50c; 1/4-oz., \$1.00; oz., \$4.00. List free.

DAVID B. WOODBURY, S. Paris, Me.

PANSY SEED. The most popular varieties from the best English, German and French growers. For varieties see displayed adv. in this issue.

JOHNSON & STOKES, 217-219 Market St., Philadelphia, Pa.

WINTER FLOWERING sweet pea seed, for forcing only—Zvolanek's Christmas, pink, and Florence Denzer, pure white. Stock seed of these varieties is carefully selected in my greenhouses from stems over 14 inches long. Seed sown first of Sept. will bloom for Christmas. Sown in Dec., after the late mums, will bloom in Feb. New crop seed ready by the middle of Aug. at 75c pkt., \$2.00 lb. Orders booked and filled in rotation.

ANT. O. ZVOLANEK, Grand View N. J.

PANSY, Mme. Perret, the Gold Medal pansy; Trimardeau, giant yellow and fine mixed, Mlle. Cecile Davy and Marguerite, Parisian, Beaconsfield, Falaise. Special mixture for florists. Send for testimonials and prices.

SPECIAL. For short time only. Anyone ordering a copy of Ward's "The American Carnation" at \$3.50, through me, will receive 1/4 oz. of Mme. Perret Pansy Seed (value \$1.25) free.

H. BEAULIEU, Woodhaven, N. Y.

Hollyhocks, white and yellow. Double Sweet Williams. Hunt's auriculifolia. Digitalis, 12 varieties mixed. Delphiniums, finest tall-growing. Primula acaulis. Gold-laced polyanth. Lobelia cardinalis, finest of all border flowers. Begonia tuberosa rooted, all colors mixed. Veronica serratifolia, fine blue. Gaillardia grandiflora. Trade packets, 10c.

CHAS. LONG, 277 Jefferson Av., Rochester, N. Y.

New crop **CYCLOMEN PERSICUM GIGANTEUM** seed just arrived. We can furnish it in pure white, rose, blood red and white with carmine eye, at 75c per 100 seeds, \$6.00 per 1000; finest mixed colors, 60c per 100 seeds, \$5.00 per 1000. 250 seeds or more at 1000 rate. For other seasonal flower seeds and bulbs see our current wholesale list.

H. A. DREER, 716 Chestnut St., Philadelphia.

Palm seeds, just arrived from Australia: Areca Baueri, 25c 100; \$2.00 1000 seeds. Kentia Belmoreana and Forsteriana, 35c 100; \$2.50 1000 seeds. Pritchardia Seamanii, \$4.50 100 seeds. Erythra edulis, 75c 100; \$6.00 1000 seeds.

F. LUDEMANN, 3041 Baker St., San Francisco, Cal.

New crop pansy seed of the famous **JENNINGS'** strain now ready. Large-flowering, finest colors in great variety. By mail, 3000 seeds, \$1.00; 1/4 pkt., 50c; 1 oz., \$5.00. Separate colors in blue, black, red, white and yellow, 50c pkt. Cash.

E. B. JENNINGS, Box 254, Southport, Conn.

PANSY SEED. New crop now ready; my own saving; large flowering; every conceivable shade, color and marking; pkt. 25c, 1/4-oz. \$1.00, oz. \$3.00. Also at wholesale.

Mr. B. O'Neill, florist, Elgin, Ill., writes: "The best mixture of Pansies I ever had."

FRANCIS BRILL, Hempstead, L. I., N. Y.

MANICABA RUBBER TREE SEEDS.

(Ficus elastica.)

Limited shipment just received from Brazil—5 lbs., \$1.50 per lb.; 25 lbs., \$1.35 per lb. About 1,000 seeds to lb.

CHAS. W. JACOB & ALLISON, Raffles Importers, 18 Cedar St., New York.

Pansy seed, crop of 1903. **BARNARD'S FLORISTS' MIXTURE** is high grade, up-to-date and will give you pansies that will sell. Trade pkt., 25c; 1/4-oz., \$1.00; 1/2-oz., \$3.75; oz., \$7.00. Giant Mixture, trade pkt., 25c; 1/4-oz., 50c; oz., \$4.00.

W. W. BARNARD & CO., 161 Kinzie St., Chicago.

Zirngiebel's giant pansies, Market and Fancy strains, are the finest grade this season that we ever sent out, when large size and colors are wanted.

New crop seed ready now. Trade pkt., of either strain, \$1.00 each.

DENYS ZIRNGIEBEL, Needham, Mass.

Pansy seed, superb mixed, 1/4-oz., 75c; 1-oz., \$5.00. Cineraria dwarf, finest mixed, pkts., 50c and \$1.00. Cineraria, tall, finest mixed, pkts., 50c and \$1.00. Bellis perennis, giant red, white and pink, pkts., 25c; 1/4-oz., 40c.

W. C. Beckert, Allegheny, Pa.

FOTTLER'S ECLIPSE MIGNONETTE, finest strain ever offered. Greenhouse-grown seed in trade pkts. of about 2000 seeds, \$1.00. **PANSY**, special strain for florists, 50c trade pkt.; \$5.00 oz. Send for our trade catalogue.

SCHLEGEL & FOTTLER CO., Boston, Mass.

Cyclamen persicum grandiflorum, Primula obconica grandiflora and Primula sinensis, all fine pedigreed strains, \$1.00 per trade pkt.

WM. F. KASTING, Buffalo, N. Y.

Allen's Defiance mignonette seed, grown inside, selected stock. Trade packet, \$1.00.

JOEL G. HAYDEN, Floral Park, N. Y.

New crop seed of **THORBURN'S** superb pansy and Mme. Perret pansy now ready.

J. M. THORBURN & CO., 36 Cortlandt St., N. Y.

Pansy seed, New York Market strain, extra selected, \$2.50 per oz.

H. KUHNERT & SON, Hackensack, N. J.

Wholesale price list of seeds for florists and market gardeners.

W. Atlee Burpee & Co., Philadelphia, Pa.

Rawson's Arlington tested seeds for florists. Catalogue free.

W. W. RAWSON & CO., Boston, Mass.

Smilax seed, new crop, \$1.50 per lb. Cash with order. Cottage Nursery, San Diego, Cal.

PLEASE MENTION THE REVIEW WHEN WRITING ANY OF THESE ADVERTISERS.

Pansy seed, Ne plus ultra, ready in August, \$4.00 oz. Jos. H. Cunningham, Delaware, O.

Shasta daisy seed, trade pkt., 15c. S. J. Galloway, Eaton, Ohio.

SMILAX.

Smilax, strong plants from 2 1/4-in. pots, twice cut back, ready for planting, \$2.25 100; \$20.00 1000. Cash with order.

MADSEN & CHRISTENSEN, 170 Bidwell Ave., Jersey City, N. J.

Smilax, 3,000 extra strong, from 3-in. pots, \$2.50 per 100; \$20.00 per 1,000. Strong 2 1/2-in., \$1.50 per 100. Satisfaction guaranteed. Cash with order.

OTTO KESER, Portland, Conn.

Smilax, 2-in., strong, twice cut back, \$2.50 100. From flats, transplanted and cut back as good as most 2-in., \$1.50 100.

N. P. COLBERG, Morris, Ill.

Smilax, 3,000 strong 2 1/4-in. pots, \$2.00 per 100, \$17.50 per 1000. Cash with order. H. P. Owen, Central Valley Greenhouses, Toughkenamon, Pa.

Smilax, strong 2 1/4-in., \$2.00 100, \$15.00 1000. 50 at 100 rate. Cash with order.

The Haskell Ave. Floral Co., Dallas, Tex.

Smilax, 700 strong, 2 1/4 and 2 1/2-in., cut back, \$1.50 per 100. Cash.

M. M. Lathrop, Cortland, N. Y.

Smilax, strong, out of 3-in. pots, ready for planting, \$4.00 100.

Chas. Krombach, 181 25th St., Brooklyn, N. Y.

Smilax, strong 3-in., \$3.00 per 100. Cash or C. O. D.

WM. SWAYNE, Box 226, Kennett Square, Pa.

1000 nice, 2-in. smilax, at \$1.00 per 100 to clear. Joseph Bancroft & Son, Cedar Falls, Ia.

Smilax, 2-in., strong, cut back, \$9.00 1000; \$1.00 100. Cash. R. Kilbourn, Clinton, N. Y.

Smilax, strong 2 1/4-in., \$1.25 100; \$10.00 1000. Buckley Plant Co., Springfield, Ill.

2000 extra fine 3-in. smilax, \$2.50 100.

N. METZ, Dayton, Ohio.

Smilax seedlings, 50 cents per 100. S. S. Pennock, 1612 Ludlow St., Philadelphia.

Smilax, extra strong, \$2.00 per 100. The Stafford Greenhouses, Marquette, Mich.

Smilax, strong 2-in. \$1.25 per 100. John Brod. Niles Center, Ill.

Smilax, 2 1/2-in., \$1.25 per 100. R. O. Henderson, Iola, Kan.

Smilax, \$2.00 per 1000. Crabb & Hunter, Grand Rapids, Mich.

Smilax, \$2.00 100. R. Vincent, Jr. & Son, White Marsh, Md.

STEVIAS.

Stevia serrata, fine winter blooming; strong, bushy plants, from 4-in. pots, \$6.00 per 100.

DEAN FERRIS, Peekskill, N. Y.

Stevia, 2 1/2-in. pots, 2 1/2c each; var. stevia, 3-in., 5c each. Cash.

M. F. La Roche, Collingdale, Pa.

Stevia, 3 1/2-in., \$40.00 1,000; 2 1/2-in., \$20.00 1,000.

Poehlmann Bros. Co., Morton Grove, Ill.

STRAWBERRY PLANTS.

75,000 pot-grown strawberry plants. If planted now will produce a full crop of large, luscious strawberries in 1904. We have these in stock in fifteen of the best varieties. Submit your list of wants for special low quotations.

T. J. DWYER & SON, Box 21, Cornwall, N. Y.

I have the finest line of POT-GROWN strawberry plants in the East; 15 of the best varieties, and the prices are right. Send for my list.

WILFRID WHEELER, Concord, Mass.

SWAINSONAS.

Swainsona alba, 2 1/4-in., \$2.00 100. R. Vincent, Jr. & Son, White Marsh, Md.

The Florists' Manual, by William Scott, is a whole Library on Commercial Floriculture.

SULTANAS.

White sultana, Platypetala, flowers large, pure white, with red dot in the center. Now is the time to stock up for the coming season. IT SELLS. Strong plants, \$1.00 per doz.

N. O. CASWELL, Delavan, Ill.

VEGETABLE PLANTS.

CABBAGE—Early and Late Flat Dutch, Savoy and other varieties, 25c per 100; \$1.00 per 1000.

CELERY—White Plume, Golden Heart, Giant Pascal and other varieties, 25c per 100; \$1.00 per 1000; \$8.50 per 10,000.

TOMATO—25c per 100; \$1.00 per 1000.

PARSLEY—25c per 100; \$1.25 per 1000. Cash with order.

See our flower plant adv. in this issue. R. VINCENT, JR. & SON, White Marsh, Md.

Celery plants, very strong. White Plume, Giant Pascal, Perfection and Golden Heart, \$1.00 1000; \$8.50 10,000. Same var. transplanted, \$2.00 1000. 200 bu. top onion sets; hardy, planted in Aug. and Sept. will produce eatable green onions on unprotected field in March and April next, \$1.00 per bu. Cash with order.

LUDWIG MOSBAEK, 85th St., nr. So. Chicago Ave., Chicago, Ill.

Celery, strong transplanted plants, well-hardened, \$2.00 1000; \$8.00 for 5000. White Plume and Boston Market. Cash, please.

R. Kilbourn, Clinton, N. Y.

VERBENAS.

Lemon verbenas, 2 1/4-in., \$2.50 100. R. Vincent, Jr. & Son, White Marsh, Md.

VINCAS.

We are booking orders for field-grown vincas, Oct. and Nov. delivery, \$3.00 per 100. Cash. Dann & Son, Westfield, N. Y.

Vinca major, extra strong, 2 1/4 and 3-in., \$3.00 100. N. P. Colberg, Morris, Ill.

Vinca major, 6-in., \$3.00 doz. L. H. Foster, Dorchester, Mass.

500 vincas, 5c each. David S. Beach, Bridgeport, Conn.

VIOLETS.

15,000 Farquhar, Imperial and Marie Louise violets from 3-in. pots. All sand rooted from clean stock, Feb. and March struck. Ready the last of Aug. Booking orders now at \$3.50 per 100; \$30.00 per 1,000.

A. J. THOMPSON, 757 Campbell Ave., West Haven, Conn.

Princess of Wales and Lady Campbell violet plants, strong field-grown clumps from sand struck cuttings. Ready September 15, \$5.00 per 100; \$40.00 per 1,000. Samples, 10c.

Albert H. Brown Co., Westboro, Mass.

I have the largest and healthiest stock of PRINCESS OF WALES violets in the country. Am booking orders now for strong young plants, at \$2.00 per 100; \$15.00 per 1000.

Wm. Sim, Cliftondale, Mass.

Violets, Marie Louise and Lady Campbell, good, strong, healthy plants, out of 3-in. pots, carefully packed, \$3.00 per 100; \$25.00 per 1000. Cash with order.

GEO. H. BENEDICT, Yorkville, N. Y.

Violets, Imperial, M. Louise and Campbell, 3-in., \$4.00 100; \$35.00 1000; Campbells, 2 1/4-in., \$20.00 1000. Crabb & Hunter, Grand Rapids, Mich.

Violets, Marie Louise, clean and healthy in every particular, 3-in. pots, \$5.00 per 100. Cash with order.

WM. J. CHINNICK, Trenton, N. J.

Marie Louise, speak quick. Strong, healthy stock, \$3.00 per 100; \$25.00 per 1,000.

JOHN JONES, Convent Station, N. J.

Violets Princess of Wales, fine plants, 2 1/4-in., \$2.00 100; \$18.00 1000. Cash, please.

G. M. Naumann, Doan St., Cleveland, O.

Marie Louise violets, clean stock, ready to plant, \$2.00 per 100; \$18.00 per 1,000.

JOHN B. RUDY, Elmira, N. Y.

Violets Marie Louise, strong, healthy field-grown, \$2.00 100. GEM NURSERY, Los Gatos, Cal.

TO EXCHANGE.

To Exchange—Will exchange Asparagus plumosus and Sprengerii, smilax, vincas, sword ferns, Adiantum cuneatum, all extra good plants, at prices as per classified advertisement in this number, for white carnation plants from field; must be good plants. Have also Belgian hares; old and young.

N. P. COLBERG, Morris, Ill.

To Exchange—Latania borbonica, fine stock, 3-in., showing one to two character leaves, for good plants of Mrs. Lawson, Hill and White Cloud carnations.

Critchell's, Avondale, Cincinnati, O.

To Exchange—Asparagus plumosus for small palms.

Theodore Miller, Ironton, O.

CANE STAKES.

Japan bamboo cane stakes, 6-ft. long, 1000 in bundle, \$5.50; 2000 in bundle, \$10.00; 3000 in bundle, \$13.25; 5000 in bundle, \$21.00; 10000 in bundle, \$37.50.

H. H. BERGER & CO., 47 Barclay St., N. Y.

CUT FLOWER BOXES.

Hunt's LIBERTY Folding Boxes are PURE WHITE, almost waterproof and stronger than any other box on the market. Send for sample. Price no higher than the "cheap-looking" boxes usually sold.

E. H. HUNT, 76-78 Wabash Ave., Chicago.

CUT FLOWER BOXES, the best, strongest and neatest folding cut flower box made.

Livingston Seed Co., Box 104, Columbus, O.

Our box sells on its merits. Send for sample.

C. C. POLLWORTH CO., Milwaukee, Wis.

Florists' Boxes. The J. W. Sefton Mfg. Co. 241-247 S. Jefferson St., Chicago.

DECORATIVE MATERIAL.

Oldest dealer in the United States in hardy cut fancy and dagger ferns. Write for prices.

L. B. BRAGUE, Hinsdale, Mass.

Fancy and dagger ferns, laurel festooning, ground pine, sphagnum moss, etc.

Crowl Fern Co., Millington, Mass.

Fancy and dagger ferns, laurel festooning, leucothoe sprays, bouquet green, etc.

H. M. Robinson & Co., 11 Province St., Boston.

Leucothoe sprays, fancy ferns, green sheet moss, sphagnum moss, etc.

L. J. Kreshover, 110 W. 27th St., N. Y.

Fancy and dagger ferns, evergreens, etc. Good stock, low prices.

A. J. Fellouris, 468 Sixth Ave., New York.

Galax, ferns and leucothoe sprays are our specialties.

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Galax, bronze or green, and small green galax for violets.

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Siebert's zinc "Never-rust" glazing points. Sold by all seedsmen, or C. T. Siebert, Pittsburg, Pa.

The "Model" glazing point. Zinc. Practical. Durable.

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The Florists' Manual, by William Scott, is a whole Library on Commercial Floriculture.

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Bull-dog hose, 7 ply, guaranteed; 1/2-in., 15 ft. U. Cutler Ryerson, Newark, N. J.

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Use SULPHO-TOBACCO SOAP and have clean, healthy plants. Sample free cake if you mention The Florists' Review.

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Tobacco dust, fresh stock, \$1.75 100 lb. stems about 100-lb. bales, 1c per lb.

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SURE CURE WASH for all insect life and mildew, etc., on roses, orange trees, etc. Trade pkt. by mail, 25c.

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Rose Leaf Extract of Tobacco will save you money. For free booklet write KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

NICOTICIDE kills all greenhouse pests. Sold by all seedmen.

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TWEMLOW'S OLD ENGLISH GLAZING PUTTY. An old article when goods were made for quality, not cheapness. It lasts a lifetime and is the best article today for all greenhouse glazing. Makes a firm, lasting bed for glass, unaffected by heat or cold. No leaky sash-bars when this is used.

1-gallon can (16 lbs.).....	\$ 1.25
5-gallon can	5.00
10-gallon can	12.00
20-gallon can	23.00

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Standard Pots. We are now ready to supply a superior quality of pots in unlimited quantities. Catalogues and price lists furnished on application.

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Standard Flower Pots. If your greenhouses are within 500 miles of the Capital, write us; we can save you money. W. H. Ernest, 28th and M Sts., N. E., Washington, D. C.

Flower Pots. Before buying write us for prices. Geo. Keller & Son, 361-363 Herndon St. (near Wrightwood Ave.), Chicago.

Those RED pots. The right kind.

O. C. POLLWORTH CO., Milwaukee, Wis.

Red pots. Write for prices and sample pot. Colesburg Pottery Co., Colesburg, Iowa.

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Sphagnum moss of first quality. Can ship at a moment's notice—2 bales, \$1.50; 10-bale lots, \$6.00. E. K. JEWETT & CO., Sparta, Wis.

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Sphagnum moss, selected, 5-bbl. bale, \$2.25. U. Cutler Ryerson, Newark, N. J.

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American brand FLORIST FOIL—The standard foil of America.

John J. Crooke Co., 155 Ave. D, New York.

TOOTHPICKS.

Wired toothpicks, 10,000, \$1.50; 50,000, \$6.25. Sample free. For sale by dealers.

W. J. COWEE, Berlin, N. Y.

Wired toothpicks, box of 10,000, \$1.50. W. W. Barnard & Co., 161 Kinzie St., Chicago.

WIRE SUPPORTS.

Model Extension carnation supports and galvanized rose stakes. Parker-Bruen Mfg. Co., 208 Jersey St., Harrison, N. J.

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Galvanized wire plant stakes at rock-bottom prices. N. F. McCarthy & Co., 84 Hawley St., Boston, Mass.

We are the largest manufacturers of wire work in the west. E. F. Winterson Co., 45, 47, 49 Wabash Ave., Chicago.

We are manufacturers—no middleman's profits.

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Emil Steffens, Manufacturer of Florists' Wire Designs, 335 East 21st St., New York.

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CALANTHE VEITCHII.

In a great many places this orchid is very much neglected, but when grown well, there is nothing to surpass it for Christmas decorations, and it may be freely used for house, conservatory, or table. We have had many racemes measuring over 50 inches from the base to the summit, the flowers of good size and splendid color. This I attribute to the pseudo-bulbs not being too large, and also not being too much hurried into flower. After finishing their growth, a lower temperature suffices. The best time for potting this species is the month of March, when growth has recommenced. The cultivator should never cut away all the old roots, but leave plenty to support the pseudo-bulb in position at the top of the soil, which should be quite half or even an inch above the rims of the flower-pots; in no case should too large ones be used. The

NEW CROP Just Arrived

Cyclamen

Persicum Giganteum

We have just received from our grower new crop seed of above; there is nothing choicer in quality than this stock. If you grow cyclamen you should secure your requirements at once.

We can furnish it in **Pure White, Rose, Blood Red and White with Carmine eye** at 75 cts. per 100 seeds, \$6.00 per 1000 seeds. **Finest mixed colors** 60 cts. per 100 seeds, \$5.00 per 1000 seeds. (250 seeds or more at 1000 rate.)

For other seasonable flower seeds and bulbs see our current wholesale list.

HENRY A. DREER, Phila.

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CYCLAMEN PERSICUM GIGANTEUM.

The FLORISTS' MANUAL

by
WILLIAM SCOTT

Price, \$5.00 Carriage Prepaid.

Florists' Publishing Co., CAXTON BUILDING, Chicago.

Is a book of 224 large pages (same size as those of the Florists' Review), and contains about 200 articles on commercial plants and cultural operations, each giving "the meat" only, from the personal experience of a thoroughly practical man who is in daily touch with each department of the business and who has that rare quality of being able to tell others what they want to know. The articles are arranged alphabetically, like those in an encyclopedia, and in an instant one can turn to the subject upon which light is desired at the moment. The book is illustrated by over 200 fine half-tone engravings. It is

A Complete Reference Book for Commercial Florists

and is a whole library on practical commercial floriculture in one volume. It is very handsomely and substantially bound in half leather, with specially designed title in gold.

compost should consist of one part turfy-loam, two parts turfy-peat, one part sphagnum, with an addition of small pieces of dry cow-manure, but not using any sand. Special care should be taken to use no fine material whatever, letting the roots ramble with as much freedom as possible. Firm potting should not be resorted to, the fingers being sufficient. In finishing off, use a stick and an old pair of vine-scissors for cutting off the rough material used.

Then place in a temperature not less than 60 degrees for the first month, after that the stove temperature will suit them, but be most careful in watering during the first period of their growth; also avoiding strong sunshine, as it is apt to burn the foliage. When growth is completed, which would be in September, a lower temperature is essential, gradually exposing them to the sun to ripen the bulbs. During the growing season, applications of manure-water are beneficial, but in no case use artificial manures. Damping between the pots with manure-water is of great benefit to the foliage; syringing should not be resorted to at all, as it often causes that black spot which is seen on the pseudo-bulbs. An occasional sponging of the foliage is all that is necessary to keep in check red-spider and scale. After the flowering period is over, calanthes should be rested in a temperature not less than 60 degrees.—W. Fulford, in Gardeners' Chronicle.

WELL GROWN Sprengeri Plants.

For 3 in. pots.....\$2.50 per 100; \$20.00 per 1000
Seedlings......75 5.00

SAMUEL S. PENNOCK,

1612 Ludlow Street,

Philadelphia, Pa.

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LOW PRICE! QUICK PROFIT! The Anna Foster Fern.

Small 3 to 4 frond plants \$10 per 100, \$80 per 1000. Beautiful plants cut from bench at \$35. \$50 and \$75 per 100. Pot plants, 3-in., \$20 per 100; 6-in. \$1. 7-in. \$2. 8-in. \$3 each. 10,000 KENTIA PALMS.

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ALBERT M. HERR

LANCASTER, PA.

Carnations, Geraniums, Smilax, Asparagus.

Correspondence Solicited.

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MY PALMS and Decorative Plants

Never were finer than they are at the present time and are sure to give satisfaction.

LOOK FOR MY EXHIBIT AT THE MILWAUKEE CONVENTION.

For Full Description Send for Price List.

LEMUEL BALL, Wissinoming, Philadelphia, Pa.

Mention the Review when you write.

SAN FRANCISCO.

The Market.

The weather still continues cold. We see nothing of the sun until the afternoons, and plenty of wind from the ocean. Business is about the same as for the last few weeks, considerable funeral work, and now that the schools are commencing their sessions again, many families are coming back to town. The prices of roses and carnations remain the same, but there is some advancement in the quality. Asters are beginning to be a factor in business and, although they are not as plentiful as they will be in a week or two, they bid fair to be of good quality. They are raised mainly by Chinese and long-stemmed flowers bring from \$1 to \$2 per hundred. E. Schwerin is cutting some very fine valley, about the best I have seen. The outlook for stock at present is good and if we have plenty of cool weather our fall crop of carnations and roses will be first-class.

Various Notes.

D. Greuttner, the well known florist of Vallejo, Cal., was in town Monday and says that business is very good at present. He has the majority of the floral work that used to be made in San Francisco before Vallejo had a first-class florist. Mr. Greuttner was gardener at the Mare Island navy yards for many years.

The California commissioners have asked Professor G. W. Dunn to take charge of the state botanical exhibit at St. Louis. Professor Dunn had charge of the exhibit at the World's Fair at Chicago.

The Alameda County Horticultural Society had its regular meeting in Oakland on Wednesday. Landscape gardening was the subject for the evening's discussion. Several new names were proposed for membership.

James Bell, the well known rose grower of Berkeley, instituted suit against his wife this week to quiet title to a piece of property which he desires to sell. Mr. Bell states in his petition that it was his before he married and wishes to have the court set it aside as his individual property. G.

ROSWELL, N. M.—Mrs. J. R. Church is adding a house 17x100 to her facilities. She anticipates a good fall and winter season.

Orchids! Orchids!

If you want to procure the Right Stock of Orchids at the Right Price, do not forget to give us a call at our stand at the Convention, where we will have a full line of imported and established Orchids for your inspection.

LAGER & HURRELL,
Orchid Growers and Importers, **SUMMIT, N. J.**

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"Special Attention"

Examine and Compare our Exhibit at the S. A. F. Convention.

Largest Stock of PALMS, ORCHIDS, FERNS, etc., in the United States.

ROSE HILL NURSERIES,
SIEBRECHT & SON,
NEW ROCHELLE, N. Y.

BEAUTY

Plants from 3-inch pots, \$6 per 100; \$50 per 1000. Also a few thousand

GOLDEN GATE, 2½-inch, \$2.50 per 100; \$20 per 1000.

IVORY, 2-in., \$3 per 100; \$25 per 1000.

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG,
51 Wabash Ave., Chicago.

GRAND RAPIDS VIOLET STOCK.

Imperial, M. Louise and Campbell, 8-in. pots, \$4.00 per 100; \$35.00 per 1000. Campbell, 2½-in. pots, \$20.00 per 1000.

Chrysanthemums, \$20.00 per 1000.
Roses, Ivory, 8-in., fine, \$4.00 per 100.
Smilax, \$20.00 per 1000.

Crabb & Hunter, Grand Rapids, Mich.

Winter Flowering SWEET PEAS

Seed for forcing only.

ZVOLANEK'S CHRISTMAS—PINK.
FLORENCE DENZER—PURE WHITE.

Price—One pkt., 75c; 1 lb., \$2.50, mailed free. Not less than 75c worth will be sold. Sold only in my original packet, with directions.

Stock seed of this variety is carefully selected in my greenhouses from stems over 14 inches long. These two varieties, if sowed the first part of September, will bloom for Christmas. When planted in December, after latest mums, will bloom in February. New crop ready middle of August. Orders booked now and filled in rotation.

ANT. C. ZVOLANEK,
GRAND VIEW, N. J.

Money Orders: Sommerville, N. J.

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Last Call. 'MUMS

We have several thousand strong plants of the best standard varieties, which we will close out at \$2.50 per 100; \$20.00 per 1000. Selection left entirely to us.

NATHAN SMITH & SON, Adrian, Mich.

It will pay you to work up a stock of

TREGO

The best Semi-double Scarlet Geranium to date. Strong, 2½-inch pots, \$8.00 per 100.

S. S. SKIDELSKY,
708 N. 16th St., PHILADELPHIA.

DREER'S SPECIAL OFFER OF KENTIAS

We have this season OVER TWO ACRES OF GREENHOUSE SPACE FILLED WITH KENTIAS, the plants are clean, vigorous, thrifty and of a good, dark color. The plants are all of exceptional good value.



KENTIA BELMOREANA.				Per doz.	Per 100	Per 1000
2 1/4-in. pots.	4 leaves.	8 to 10 in. high.		\$1.25	\$10.00	\$90.00
3	5	12 to 15		2.00	15.00	140.00
4	5 to 6	15 to 18		4.50	35.00	325.00
5	5 to 6	18 to 20		7.50	60.00	
5	5 to 6	20 to 24		9.00	70.00	
6	6	20 to 22				Each \$1.00
6	6	28 to 30				1.25
6	6 to 7	30 to 36				1.50
7	6 to 7	30 to 36				2.00
8	6 to 7	36				2.50
8	6 to 7	38 to 42				3.50
8	6 to 7	42				4.00
9	6 to 7	42 to 48				5.00

KENTIA FORSTERIANA.				Per doz.	Per 100	Per 1000
2 1/4-in. pots.	4 leaves.	8 to 10 in. high.		\$1.25	\$10.00	\$90.00
3	5	12 to 15		2.00	15.00	140.00
4	5 to 6	15 to 18		4.50	35.00	325.00
5	5 to 6	18 to 20		7.50	60.00	
6	6	28 to 30				Each \$1.00
6	6	30 to 32				1.25
6	6	32 to 36				1.50
7	6	36				2.00
8	6	42				2.50
8	6 to 7	42				3.00
8	6 to 7	4 ft. high.				4.00
8	6 to 7	4 to 4 1/2				5.00
9	6	5 1/2 to 6				6.00
10	6 to 7	5 1/2 to 6				7.50
10	6 to 7	5				10.00
10	6 to 7	6				12.50
12 in. tubs.	6 to 7	6				20.00
12	6 to 7	7 to 8				25.00

MADE-UP KENTIA FORSTERIANA.

All of these are extra good value.

4-in. pots, 4 plants in a pot, 15 to 18 inches high, pretty stock for retailing,	
\$4.50 per doz.; \$35.00 per 100.	
5-in. pots, 4 plants in a pot	each, 60c; per doz., \$6.00
8 " 2 to 3 plants in a pot, 4 ft. high	each, 2.50
10 " 3 " " " 3 1/2 " "	6.00
10 " 4 " " " 4 1/2 " "	7.50
9-in. tubs, 3 " " " 4 1/2 " "	8.00
12-in. pots, 3 to 4 " " " 5 1/2 to 6 " "	12.50
10-in. tubs, 3 " " " 6 " "	15.00
12 " 3 " " " 7 " "	20.00

KENTIA MACARTHURI.

3-in. pots, 15 inches high	each, 25c; per doz., \$2.50
4 " 18 " "	35c; " " 3.50
6 " 30 " "	each, 1.50

KENTIA SANDERIANA.

A comparatively new Palm which, when it becomes more plentiful and can be sold at a lower price, will become a popular standard variety on account of its graceful habit of growth.

3-in. pots, 15 inches high	each, \$.50
6 " 24 " "	2.50
4 " 3 plants in a pot, 16 to 18 inches high	1.25

For a complete list of PALMS and other DECORATIVE STOCK, also BULBS and SEASONABLE FLOWER SEEDS, see our current Wholesale List.

HENRY A. DREER, - - PHILADELPHIA, PA.

Mention the Review when you write.

Beach the Florist Leads Why not buy Direct.

Perle, Meteors, Maids, Brides and Gates, on own roots, this year's stock at 6c and 8c a piece. 500 Brides and 3000 Maids, two years old, at 10c straight. Orders taken for Carnations; state your wants by application.

10,000 Geraniums, all kinds and colors, 5c straight

500 Vincas 5c

1000 E. Ivy 10c

500 Cannas 6c

200 Caladiums 8c

1000 Fuchsias 8c

Leading Mums, in pots or out.....\$5.00 per 100

Two Windmills, Corcoran make, 12 ft. and 16 ft., mostly new. 600-bbl. Cedar Tank, one No. 15 Hitchings' Boiler and 300 ft. of 1 1/2 and 2-in. pipe, ready to set up. Correspondence solicited.

Country Printing Press, prints 2 sheets, large size, weight 2 tons, power by hand or electricity.

David S. Beach, Box 253, Bridgeport, Conn.

Mention the Review when you write.

Primroses....

Nice strong plants from 2 1/4-in. pots, best varieties.

Chinese.....\$2.50 per 100; \$20.00 per 1000

Obconica - Alba and Rosea, \$2.50 per 100; \$20.00 per 1000. Cash.

OECHSLIN BROS., 1688 West Madison St. CHICAGO.

Mention the Review when you write.

Yellow Eaton

ooted cuttings, 20c each; \$2.00 per doz.

OTTO BOURDY, LOWELL, MASS.

Calla Bulbs Now Ready. They are Fine this Year.

1 to 1 1/2 in. diameter.....	\$3.50 per 100; \$30.00 per 1000
1-in. diameter.....	2.50 " 20.00 "

F. O. B. YOUR CITY.

California Carnation Co., L. Box 103. Loomis, Cal.

Mention Review when you write.

Primroses. Asparagus.

Chinese, 2-in. pots.....	\$2.00 per 100	Sprenger, ready August 15.....	\$2.00 per 100
Obconica, alba and rosea.....	2.00	Plumosa Manus.....	2.50
Forbesi, "Baby".....	2.00	Narcissus, paper white grandifl.,	
Pansy Seed, Ne plus ultra, August. 4.00 per oz.		Sept. 1.....	1.00

CASH, PLEASE.

JOS. H. CUNNINGHAM, - - Delaware, Ohio.

Mention The Review when you write.

Pansies The Jennings Strain.

New crop seed now ready. Large flowering, finest colors, in great variety. By mail, 3000 seed, \$1.00; 1/2-pkt., 50c; 1 oz., \$5.00; 2 oz., \$9.00; 3 oz., \$12.00. Separate colors in blue, black, red, white and yellow, 50c pkt. Cash with order.

E. B. JENNINGS,

Lock Box 254. SOUTHPORT, CONN.
Grower of the Finest Pansies.

Mention Review when you write

1000 Poinsettia

1-year-old, 4-inch, \$12.00 per 100.

Asplenium Tenuensis,

1000, \$4.00 per 100.

JOHN BREITMEYER'S SONS,
Detroit, Mich.

Mention the Review when you write.

GRAND RAPIDS, MICH.

We have had a dull, cloudy, raw week, cool enough to wear an overcoat at night; good carnation growing weather, but unfavorable for peaches, for which this section is famous.

Several firms started Monday to plant carnations, which are, despite the late frost and unfavorable weather, nice, bushy plants, better than they were this time last year. The carnation crop is about over, and but very few asters are in as yet. Funeral work and shipping keeps all greenhouse flowers cleaned up; outdoor flowers are cheap. One of the florists had a wagon-load of hardy phlox and Golden Glow, peddling them on the street at 75 cents per 100. Then it is when the storemen are asked why they charge 25 cents or more per dozen for the same goods, that they feel pleasantly disposed to the peddler wagon. Prices of carnations are 25 cents per dozen; roses \$1; American Beauties, \$1.50 to \$3. Outdoor flowers: prices unmentionable. Although every one is busy, either rebuilding or building, there is talk of going to the Milwaukee convention. While every one favors conventions and likes to attend them, it is hard to get them to offer a positive promise. "I'll see if I can spare the time," but at least ten will attend, and will do what they can to make the convention a success, and we may carol the busy bees to the tune of five or six more.

It is now time to turn our attention to the coal bins, the florists' "supply combination" seems to be quietly sleeping, and it now, evidently, is a "go-as-you-please" race.

The city is trying to purchase 40 acres of land adjoining John Ball Park, the project of purchasing Schmidt Bros.' greenhouses and grounds having fallen through.

G. F. C.

DANBURY, CONN.—W. G. Kræber has leased the greenhouses of J. H. Ives.

FIELD-GROWN

Carnation Plants.

Plants are in fine condition, strong and healthy.

3000 Crane, 1000 White Cloud,
2000 Cressbrook, 1500 Norway,
2000 Genevieve Lord,
1500 Queen Louise,

Price \$5.00 per 100
or \$40.00 per 1000.

THE J. A. BUDLONG & SON CO.,
171 Canal St., PROVIDENCE, R. I.

Mention the Review when you write.

Latania Borbonica.

3-inch pots, 12 to 15 inches
high, 1 to 2 character leaves,
fine stuff for 5-inch pots for
fall sales, \$7.00 per 100.....\$60.00 per 1000

Asparagus Sprengeri.

2½-inch pots, extra strong.....\$3.00 per 100
3-inch pots.....4 00
4-inch pots.....6 00

Eucharis Grandiflora.

The best of the class; three to four
crops of bloom each season,
fine white flowers when they
are most wanted.
Large bulbs, growing.....8 00
Medium bulbs, growing.....5 00

"CRITCHELL'S," AVONDALE,
CINCINNATI, OHIO.

BALL'S
PALMS, Etc.

The choicest stock. Strong, hardy and handsome. Perfect in every respect. Samples will be exhibited at the Milwaukee S. A. F. Convention, where I shall be pleased to receive orders for immediate or future delivery. Don't forget to place your orders early. It is important.

ARECA LUTESCENS—2½-inch pots at \$6.00 3-inch at \$10.00 per 100. "Made-up" 3 strong plants, 4-inch at 25c, 5 and 6-inch at 50c, 6-inch at 75c and \$1.00, 8-inch at \$2.00 and \$3.00, 10-inch at \$5.00 and \$7.50 each.

KENTIA BELMOREANA—2½-inch pots at \$12.00, 3-inch at \$15.00 and \$20.00 per 100. 4-inch 80c and 40c, 5-in. 75c, 6-in. \$1.00 and \$1.25, 8-in. \$2.00. "Made-up" 3 strong plants, bushy and handsome, 7-inch at \$1.50, 8-inch at \$2.00 and \$3.00 9-inch at \$4.00, 10-inch at \$5.00, \$7.50 and \$10.00 each.

KENTIA FORSTERIANA—2½-in. pots at \$12.00, 3-inch at \$15.00 and \$20.00 per 100. 4-inch at 80c and 40c. "Made-up" 3 strong plants, 6-inch at \$1.00 and \$1.50, 8 inch at \$2.00 and \$3.00, 12-inch, very bushy and heavy, \$15.00 to \$20.00 each.

LATANIA BOBBONICA—2½-inch pots at \$4.00, 3-inch at \$3.00 per 100. 4-inch at 25c 6-inch at 50c and 75c, 8-inch at \$1.50; "Made-up" 3 plants, 8-inch at \$1.50 each.

ARAUCARIA EXCELSA—At 50c, 60c, 75c, \$1.00 and \$1.25 each.

PANDANUS VEITCHII, DRACENA TERMINALIS, D. SANDERIANA, FIGUS ELASTICA, COCOS WEDDELIANA, LIVISTONA ROTUNDIFOLIA, ETC.

Descriptive Price List on application.

CHAS D. BALL,
Holmesburg, Phila., Pa.

Mention the Review when you write.

Winter Flowering Roses.

Fine healthy stock from selected cuttings. Sunrise, American Beauty, La France, 3-in pots, \$7.00 per 100.

Brides, Maids, Golden Gates, Meteors, Safrano, Bon Silene, Mme. Hoste, Papa Gontier, 3-in. pots, \$5.00 per 100.

GRAFTED ROSES. Fine bushy plants in 3½ and 4-in. pots.

Liberty, Ivory, \$15.00 per 100. Brides, Maids, Golden Gates, Kaiserin, \$12.00 per 100.

J. L. DILLON, BLOOMSBURG, PA.

Mention Review when you write.

Don't Miss This

If you wish to secure stock of the following superb bedders: S. A. Nutt (crimson), Alph. Ricard (scarlet), E. G. Hill, Beaute Poltevine (salmons), Jean Viald (pink), Mrs. E. Buchner (white). Strong plants from 2½-inch pots at rooted cuttings' prices — \$1.50 per 100; \$15.00 per 1000. Smilax, strong 2½-inch plants, \$1.25 per 100; \$10.00 per 1000.

NOTICE—This stock is guaranteed strictly first-class in every respect and WORTH TWICE THE MONEY.

THE W. T. BUCKLEY PLANT CO.
SPRINGFIELD, ILL.

Mention the Review when you write.

PANDANUS
VEITCHII,

6 to 8-inch pots. Write for prices.

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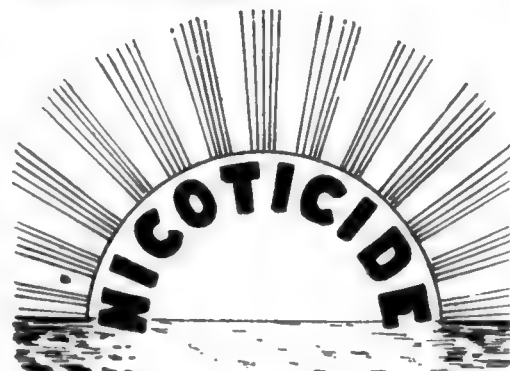


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INDEX TO ADVERTISERS.

This index covers only those having displayed
advertisements. There is a host of others mak-
ing offers in our classified ads. and they will be
found there under their proper headings.

Allen, J. K.	440	Gullett & Sons	455
Amling, E. C.	435	Guttman, A. J.	441
Aschmann, Godfrey	438	Hammond, Benj.	457
Baker, W. J.	439	Hammond, J. A.	440
Ball, C. D.	434	Hancock, Geo. & Son	457
Ball, L.	452	Hansen, C.	445
Barnard & Co.	421	Hauswirth, P. J.	444
Bassett & Washburn	442-55	Heacock, Jos.	424
Bayersdorfer & Co	424-45	Herr, A. M.	451
Beach, D. S.	453	Herrmann, A.	424-57
Beckert, W. C.	437	Hicks & Crawbuck	441
Beneke, J. J.	444	Hill Co., E. G.	439
Bentley & Co.	442	Hippard, E.	459
Bercmans Co.	438	Hitchings & Co.	456-58-60
Berger, H. H. & Co.	424	Holton & Hunkel Co.	443
Bernheimer, E.	439	Howe, C. L.	445
Berning, H. G.	440	Hunt, E. H.	442-56
Bonnot Bros.	440	Igoe Bros.	457
Bourdy, Otto	453	Jacobs & Son	458
Bowe, M. A.	444	Jennings, E. B.	453
Bradshaw & Hartman	440	Johnson & Stokes	439
Brague, L. B.	441	Jurkens, Aug.	413
Brant & Noe	455	Kasting, W. P.	431
Breitmeyer's Sons	444-58	Kellogg, Geo. M.	439
Brod, J.	445	Kennicott Bros Co.	421
Bruns, H. N.	442	Kentucky Tobacco	457
Buckbee, H. W.	455	Pr duct Co.	457
Buckley Plant Co.	464	Kramer & Son	449
Budlong, J. A.	442	Kreshover, L. J.	441
Budlong & Son Co.	454	Kroeschell Bros. Co.	460
Burpee, W. Atlee &	437	Kuehn, C. A.	443
Co.	437	Kuhl, Geo. A.	456
Caldwell Co., W. E.	458	Lager & Hurrell	436-52
Caldwell The Woods-	439	Lange, A.	444
man Co.	439	Larkin Soap Co.	457
California Carnation	453	La Roche, M. F.	457
Co.	453	Lecakes & Co., N.	441
Century Flower Shop	444	Limbach, C.	460
Chicago Carnation	421	Livingston Seed Co.	456
Co.	421	Loomis Floral Co.	445
Clarke Bros.	444	Loose, J. L.	455
Clarke's Sons, David	444	Lord & Burnham	460
Classified Ads.	446	Ludemann, F.	445
Cottage Gardens	441	McCarthy & Co., N. F.	457
Cowee, W. J.	442	McConnell, Alex.	444
Crabb & Hunter	452	McCullough's Sons	443
Critchell's	454	McManus James	440
Crowl Fern Co.	441	McMorrin & Co.	458
Crooke Co., J. J.	456	Meehan, C. E.	455
Cunningham, J. H.	453	Michigan Cut Flower	443
Dearborn Engraving	440	Exchange	443
Co.	440	Millang, C.	440
Dickinson Co., Albert	437	Moninger Co., J. O.	459
Dietsch, A. & Co.	459	Moon Co., W. H.	436
Diller, Caskey & Co	453	Moore, Hentz & Nash	440
Dillon, J. L.	454-59	Moss, Isaac H.	443
Dillon Greenhouse	460	Muno John	442
Mfg. Co.	460	Mott Seed & Bulb Co.	424
Dixon Crucible Co.	456	Murphy, Wm.	443
Dorner, F. & Sons Co.	439	National Florists'	441
Dreer, H. A.	451-58-60	Board of Trade	441
Dunn & Co., C. A.	439	N. Y. Cut Flower Co.	440
Dunne & Co.	424	Niessen, Leo	439
Dwyer & Son, T. J.	436	Oechalin Bros.	453
Eickholt, Mrs. Chas.	444	Park Floral Co.	444
Elliott J. L.	456	Parker-Bruen Co.	457-59
Ellis, F. M.	443	Peacock, W. P.	441
Florists' Hall Asso.	421	Pennock, S. S.	423-39-51
Foley, J. J.	440	Perkins, J. J.	441
Foley Mfg. Co.	459	Peterson's Nursery	436
Foster, L. H.	451	Philadelphia Whole-	441
Fehr, A. G.	441	sale Flower Market	441
Garland, Geo. M.	459	Pierce Co., F. O.	459
Garland, Frank	442	Pierson Co., F. R.	421-23
Gasser Co., J. M.	444	Pierson-Sefton Co.	460
Geller, Sigmund	424	Pittsburg Cut Flow-	441
Ghormley, W.	440	er Co.	441
Giblin & Co.	460	Poehlmann Bros.	442-55
Gibbons, H. W.	460	Pollworth Co.	455
Graham, H.	455	Quaker City Machine	460
Gude & Bro., A.	444	Works	460
		Randall, A. L.	442
		Rawlings, E. I.	440
		Rawson & Co.	437
		Rebstock, J. H.	437

Reed & Keller	424	Stewart, S. B.	444
Regan Ptg. House	424	Stump & Walter	437
Reld, Edw.	439	Swanson, Aug. S.	444
Reinberg, Geo.	442	Thorburn, J. M. & Co.	437
Reinberg, P.	442-52-55	Tobacco Warehouse-	450
Rice Bros.	443	ing & Trading Co.	450
Rice, M. & Co.	434	Traendly & Schenck	441
Riedel & Spicer	440	Vesey, W. J. & M. S.	454
Robinson & Co.	444	Vincent, Jr. E. & Son	439
Rock, W. L.	444	Virgin, U. J.	444
Roehrs, Julius	421	Wabash Ry.	422
Rupp, J. F.	439	Wagner Park Con-	439
Ryerson, U. C.	457	servatories	439
Salter, W. H.	455	Weathered's Sons	458
Sampson, Wm.	441	Weber, F. O.	444
Sands, W. B.	445	Weber & Sons	454
Schlegel & Fottler	437	Welland, M.	444
Schmitts, F. W. O.	424	Welland & Risch	442
Scollay, J. A.	460	Whitton, C.	457
Scott, John	445	Whitton, S.	456
Scott, W.	444	Wiegand & Sons	444
Sheridan, W. F.	440	Wietor Bros.	442
Shibeley	444	Williams Co., F. R.	439
Siebert, C. T.	459	Winterson Co., E. F.	438
Siebrecht & Son	452	Wittbold Co.	444
Sievers & Boland	444	Wilks Mfg. Co.	458
Sinner Bros.	442	Young, John	440
Skidelsky, S. S.	452	Young, J. W.	454
Smith & Son, N.	452	Young & Nugent	440
Smith Co. W. & T.	436	Zirngiebel, D.	445
Sprague Smith Co.	460	Zvolanek, A. C.	453
Stern & Co., J.	424		

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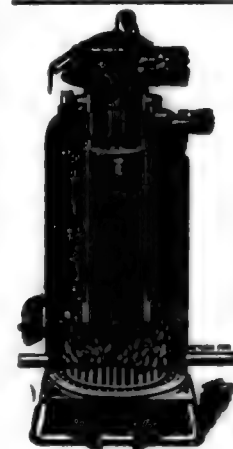
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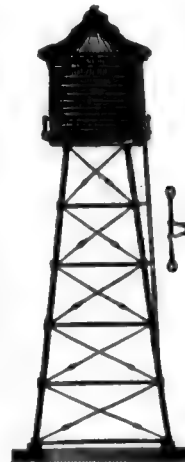
Hot Water Boilers, Pipes, Fittings

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....Trackworks of man and nature are
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Tanks and
Towersare unmoved amid flying
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Cypress of the tanks and the
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simplicity and strength. These
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We furnish everything for Erecting. BOILERS

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Neatest, simplest, most convenient and only practical device for converting ordinary flower pots into hanging baskets. They fit all standard made pots from 2 to 10 inches in diameter. The illustration shows how they are attached. Just the thing for hanging up Ferns, Begonias, etc. You can make room and money by their use. Try them.

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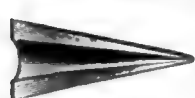
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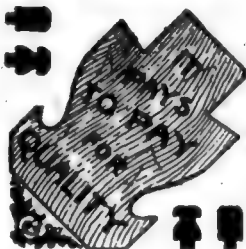
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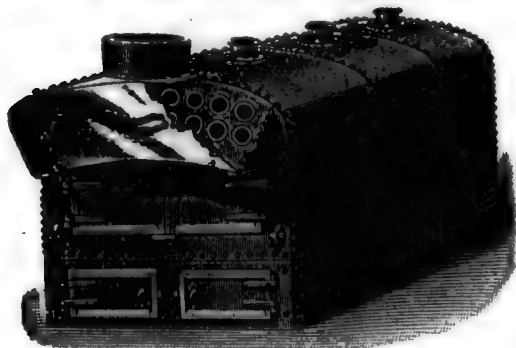
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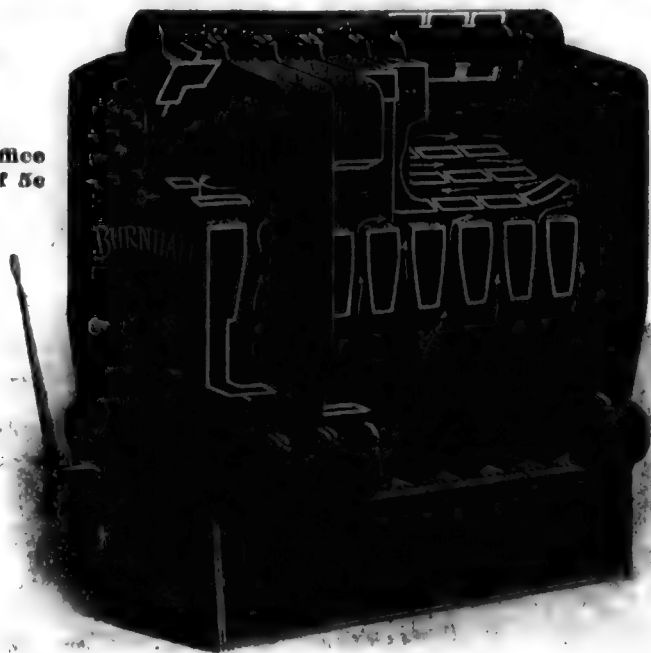
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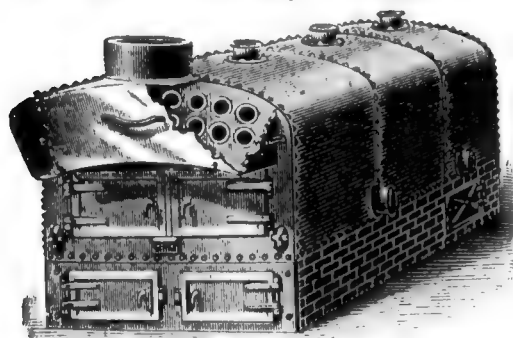
THE WEEKLY FLORISTS' REVIEW



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AUGUST 20, 1903

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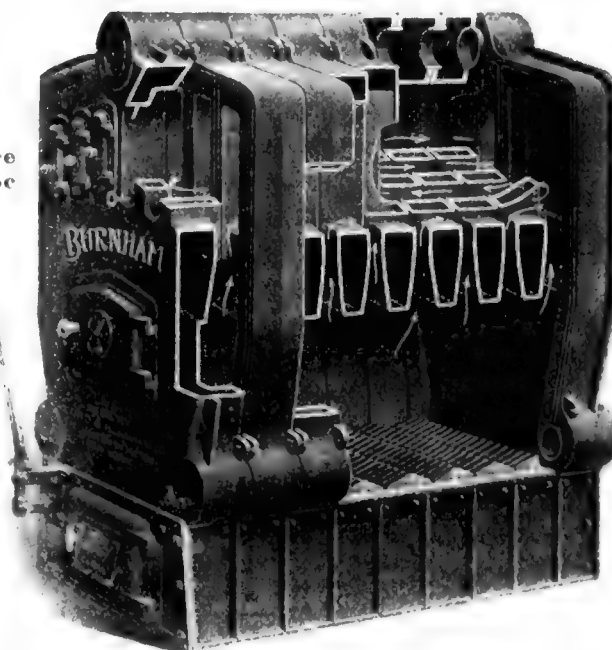
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Quickly Set,
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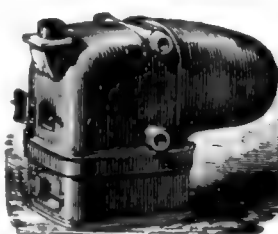
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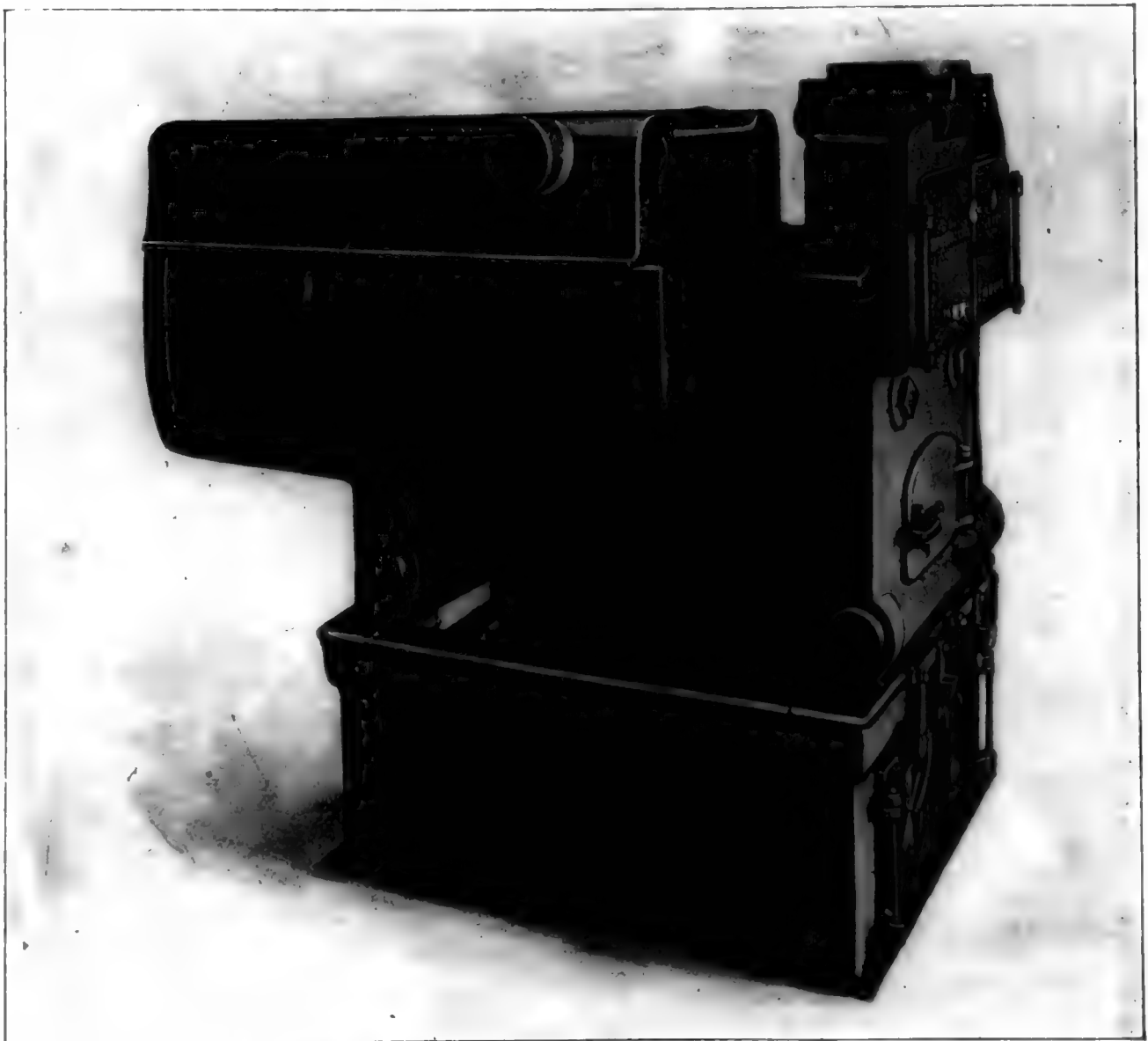
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A JOURNAL FOR FLORISTS, SEEDSMEN AND NURSERYMEN.
FLORISTS' PUBLISHING CO., 520-525 Caxton Building, CHICAGO.

Vol. XII.

CHICAGO AND NEW YORK, AUGUST 20, 1903.

No. 299.

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6 to 7-in. bulbs (not 5 to 7s as usually packed) 350 to the case, \$4.00 per 100; \$35.00 per 1000.

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Full case lots at 1000 rate. 5 per cent. discount for cash with order.

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100 each 3 and 4-inch Ivory; 100 Maids; 250 Brides, 3 and 4-inch—will clear out lot at \$4.00 per 100.

Cyclamen Persicum Grandiflorum; Primula Obconica Grandiflora; Primula Sinensis; all fine pedigreed strain, \$1.00 per trade packet.

Ferns for Ferneries now ready. Orders also taken for later delivery. About 15 different varieties, 2 1/4-in. pots, \$3.00 per 100; \$25.00 per 1000.

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PALMS for Florists.

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A high class, up to-date mixture that fills the bill "par excellence"—made up from leading colors, producing flowers of the most perfect type. It gives you Pansies that sell.

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In bricks, 10 lbs., \$1.00; 100 lbs., \$7.00.

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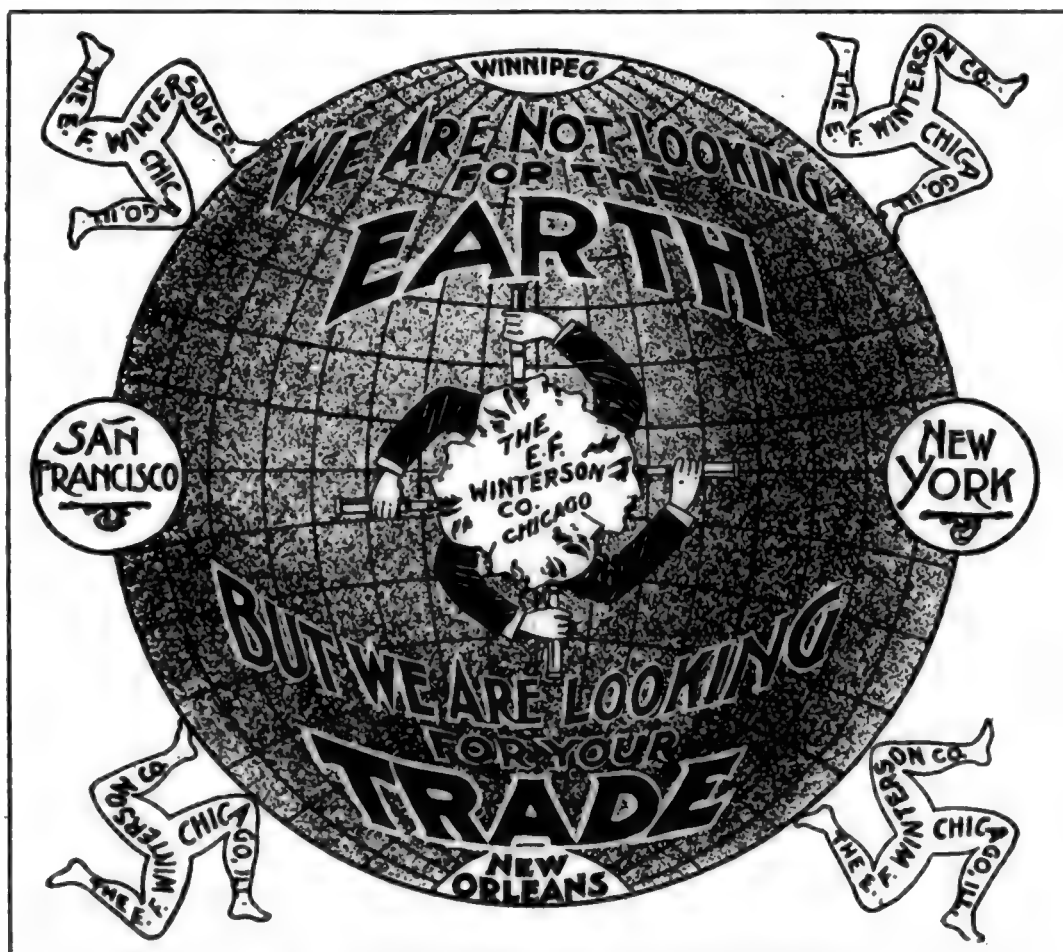
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What has brought about this almost phenomenal success?

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We have taken good care of every flower our growers produced and shipped in and earned their confidence that we are at all times working for their interests.

We have carefully studied the wants of our customers and proved to their satisfaction that we can at all times be relied on to furnish anything that is to be had in this market and in addition we make special efforts to supply Novelties or Specialties not always to be had elsewhere.

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We expect to continue as we have done, and push our business harder than ever this season. We certainly can do better now than ever before. Seven years ago the work was all done by one man. Now we have five experienced helpers and a wholesale house equipped second to none.

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Satisfied Growers and Customers

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Our Mr. Amling is at the Convention this week.

We hope you have all seen him and got acquainted, or renewed old acquaintance.

Make our place headquarters when passing through Chicago.

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**The Largest, Best Equipped and Most Centrally
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NEW CROP.

Hunt's "Unrivalled"

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A very choice mixture for florists whose customers want size as well as markings. Trade pkt., 20c; 1-8 oz., 50c; 1-2 oz., \$2.50; 1 oz., \$5.00.

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Hunt's florists' mixture, "The Grand," needs no introduction—there is none better. Trade pkt., 50c; 3 trade pkts., \$1.25.

Cineraria Hybrida Grandiflora

Hunt's special mixture contains all the finest English strains. Trade pkt., 50c; 3 trade pkts., \$1.25.

Bulbs! Bulbs!

We have them and
THEY ARE FINE.

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Narcissus Paper

White Grandiflora,

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Those who buy Bulbs of us,
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Our plantings of Beauties, Grafted Roses, Summer Roses, Fancy Carnations, Asparagus, Sprengeri, Smilax, Lilies, etc., are unexcelled for quality and quantity in this country.

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We extend a cordial invitation to all to visit our greenhouses and store. Examine our plants and facilities and become posted where to purchase your stock.

We offer the following plants at low prices :

American Beauties, 4-inch, - 2000 plants,
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Smilax, extra large, 2-inch plants,
at \$15.00 per thousand.

Carnation Field Plants, strictly first-class Lawson, Norway, White Cloud, Prosperity and Floriana at \$5.00 per hundred.

ALL PLANTS SHIPPED FROM HINSDALE, ILL.

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We have all summer been getting the largest and best quality cut of Roses coming to this market and

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We shall be right in line for business with very large supplies of the very highest grades of CUT FLOWERS. Our place contains 650,000 feet of glass and the following are some of the plants we shall cut from:

**90,000 'MUMS, 72,000 BEAUTIES,
70,000 TEA ROSES,
160,000 CARNATIONS,
5,000 HARRISII LILY PLANTS.**

All through our stock the varieties are the newest and best and the quality of the cut flowers will, as in the past, compare favorably with the stock produced by any other grower in the country. We want your business from the beginning to the end of the season.

LET US HAVE YOUR STANDING ORDER.

NO CHARGE FOR P. AND D.

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Carnation Plants..

We have finished planting and have a surplus of the BEST COMMERCIAL VARIETIES. These are all CLEAN, STRONG, HEALTHY PLANTS, such as we ourselves benched, AND ARE SURE TO GIVE SATISFACTION.

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The Largest Grower of

Cut Flowers IN AMERICA.

VISIT our greenhouses to see the largest range of glass in America, to examine the best methods of greenhouse construction and to see the growth of all roses and best carnations, with the best culture practiced on the grandest scale.

ORDER FROM US

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A MILLION FEET OF GLASS.

Besides the staple
roses and carnations we
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Liberty, Chatenay, Sunrise.



This is our 1903 addition: Nine houses 27½ x 304, 8½ feet to Gutters. These and twice as many more in Beauties.

Why are We on Top?

THE Florists of America say it is because we are the Largest, Best Equipped and Most Progressive Florists' Supply House in the country. Perhaps they are right, the Florists are a pretty smart crowd. Anyway our stock is a little Finer than even we ever offered before. Mr. Bayersdorfer has just ransacked Europe for Novelties of merit. Meanwhile our own great factory has not been idle. You can depend on us for the best of everything.

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PHILADELPHIA, PA.

We Are Ready

to take better care of our customers than ever the coming season. We have this summer added **three large houses** to our plant of **225,000 feet of glass** and will have the product of **considerably more glass than last year** with which to meet demands. And the quality from all will be high. We shall be especially strong in

**Brides, Maids, Meteors,
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In addition to the cut from our own large place we shall have the product of **several first-class growers of roses**. And we shall have **other new consignors** who are growers of **high-grade CARNATIONS** and other stock. We shall be in a position to give you the best the market affords at fair prices, and would like to add you to our list of satisfied customers. We can do it if you give us the opportunity. Write us about it. We make no charge for P. & D. on orders amounting to \$4.00 and over.

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Cut Flowers Wholesale

Largest Stock in Philadelphia.

NO ORDER TOO LARGE FOR US TO HANDLE and

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Headquarters for
Fancy Beauties,
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" Maids,
" Liberties,
Valley and Novelties.

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1217 Arch Street,
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FOUR LONG DISTANCE PHONES.

GROWERS OF FIRST-CLASS

Cut Flowers

WILL DO WELL TO WRITE TO

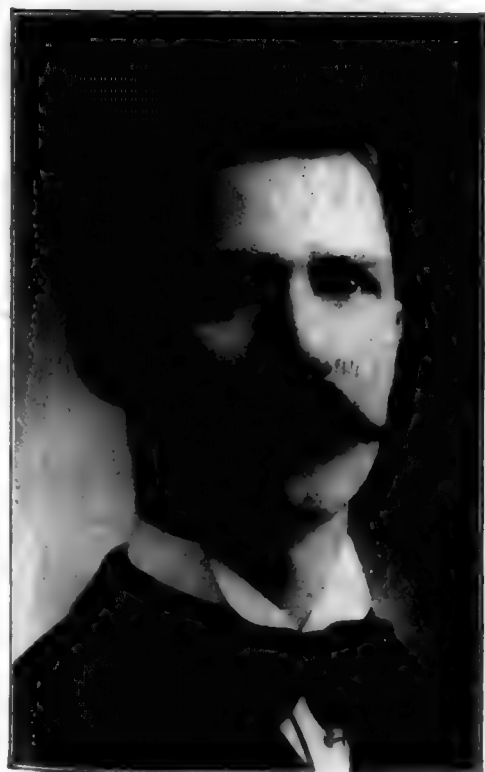
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60,000 Carnation Plants just benched. Fine stock. All the best varieties.

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500 Cyclamen Plants

In 4-inch pots, very choice strain, at \$10.00 per 100. 300 in 3-inch, not quite as strong at \$8.00 per 100.

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Asparagus Sprengeri—2-in. \$2.00, 3-in. \$5.00, 4-in. \$8.00 per 100. **Aspidistra Lurida**—4-in. \$25.00 per 100. Good strong plants; worth every cent.

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Strong, 2 1/4-inch, \$2.00 per 100; 300 for \$5.00.

Primula Obconica in flats ready to pot, \$1.50, 100.

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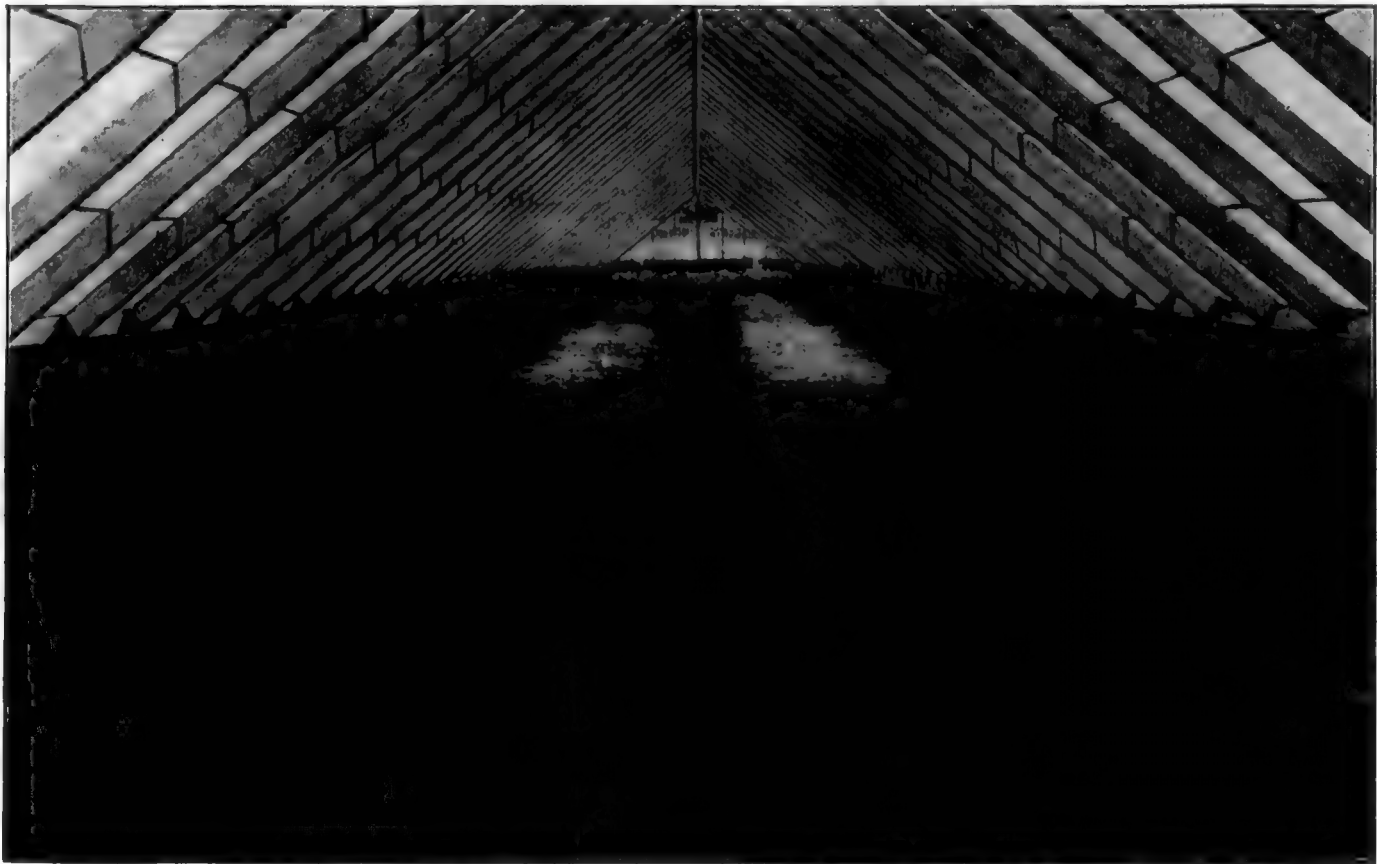
Sprengeri Plants.

For 3-in. pots.....\$2.50 per 100; \$20.00 per 1000
Seedlings..... .75 5.00

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WE have spent the past few months in building a big range of new houses at Edgebrook, just outside of Chicago, and stocking it and our old range with all sizes in all lines of well grown decorative plants. It is our aim to send out nothing but the best of material and we now have **A LARGE STOCK** in the most salable sizes. We are very strong on **ASPARAGUS PLUMOSUS NANUS** and **SMALL FERNS** for dishes, but we have a well balanced stock, larger and better than ever before, and in

DECORATIVE PLANTS

We can recommend anything priced on this page.

WHOLESALE PRICE LIST.

Variety.	Size Pot.	Height Inches.	No. Leaves.	Each.	Per Doz.	Per 100.
Areca Lutescens	4-in.	12-14	3 in pot		\$3.00	
"	5-in.	18-20	3 in pot		5.00	
"	6-in.	24-26	3 in pot		9.00	
"	7-in.	24-26	3 in pot	\$1.25	15.00	
Kentia Belmoreana	3-in.	10-12	4-5		2.00	\$15.00
"	4-in.	14-16	5-6		4.00	30.00
"	5-in.	20-22	5-6		7.50	
"	6-in.	24-28	6-7	1.25	15.00	
"	7-in.	30-32	5-7	2.25		
"	8-in.	34-36	5-7	3.00		
"	10-in.	52-56	5-6	6.50		
Kentia Forsteriana	3-in.	10-12	4-5		2.00	15.00
"	4-in.	15-17	4-6		4.00	30.00
"	5-in.	20-24	5-6		7.50	
"	6-in.	26-28	5-6	1.25	15.00	
"	7-in.	32-34	5-6	2.00		
"	10-in.	60-64	5-6	9.00		
Latania Borbonica	4-in.	12-14	4-6		3.00	
"	5-in.	14-15	5-6		5.00	
"	6-in.	15-16	5-6	.75	7.00	
Cocos Weddelliana	3 in.				2.50	
Phoenix Canariensis ...	9 in.	26-28		2.50		
"	10-in.	30-32		3.50		
"	10-in.	34-36		5.00		
"	12-in.	52-56		8.00		
Araucaria Excelsa	6-in.	20-24	4-5 tiers	1.50	18.00	
Ficus Elastica	5-in.	12-14	6-9		4.00	
Dracaena Fragrans	6-in.	12-15	14-16		9.00	

Variety.	Size Pot.	Height Inches.	No. Leaves.	Each.	Per Doz.	Per 100.
Pandanus Veitchii	6-in.	14-16		\$1.50		
"	7-in.	18-20		2.00		
"	8-in.	20-22		2.50		
Asparagus Sprengeri	2-in. pot				per 100,	\$3.00
Asparagus Plumosus Nanus ...	2					4.00
Adiantum Cuneatum	3					8.00
"	4			per doz.,	\$1.50	12.00
"	6				4.00	
Japanese Fern Balls					3.00	
Poa Trivialis Variegata	2					4.00
Sansevieria Jay. Variegata	5				3.00	
Cyrtomium Falcatum	3				1.00	8.00

Ferns for dishes as follows: — Pteris Wimsettii, Serrulata, Serrulata Cristata, \$3.00 per 100; \$25.00 per 1000.

CYCAS REVOLUTA at \$1.00 to \$2.00 each.

LARGE SPECIMEN PLANTS:

Variety.	Size Pot.	Height Inches.	No. Leaves.	Each.	Per Doz.	Per 100.
Phoenix Canariensis ...	tub	9 ft.		\$40.00		
Cocos Bonneti		54-60	12-14	35.00		
"		46-48	9-11	15.00		
"		26-28	7-8	10.00		
Dicksonia Ant		48-54	20-24	35.00		

Also large stock of specimens of other sizes. Write us your needs.

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Palms, Orchids, Ferns
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Bay Trees, Pyramids and Standard Box Trees in all Sizes and Forms. The largest stock of Fancy Evergreens in the World. Rhododendrons, hardy varieties, in all sizes. Herbaceous plants.

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Each flat contains 110 clumps of small plants, which can be divided in 3 to 5 plants accordingly, all ready for potting. We can furnish these ferns, grown separately, each flat containing any one of the following sorts, ferns all good salable varieties.

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Pteris Cretica
Albo-Lineata
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*Pteris Mayii
Mixed Varieties

Varieties marked * can only be supplied in conjunction with orders for other sorts.

Price, \$2.00 per Flat.

PANSY SEED

Famous Strains of Mammoth Mixed Pansies.
S. & W. CO.'S NON PLUS ULTRA.

Our Non Plus Ultra Pansy is a mixture containing the largest, handsomest, most perfect varieties ever sent out. The beautiful coloring and variety of marking give a bed of these pansies a most brilliant appearance. The seed having been saved from the greatest assortment of types, including only the best of Giant Cassiers, Bugnots, Trimardeau and Giant English, French and German strains. Per pkt., 500 seeds, 35c; per ¼ oz., \$1.50; per oz., \$5.00.

Giant Madame Perret. A giant flowering variety of the famous Madame Perret strain. Per pkt., 500 seeds, 40c; per ¼ oz., \$2.00; per oz., \$6.00.

Superb Mixture of the Odier, Cassier, Bugnot and Giant strains; unsurpassed. Per pkt., 500 seeds, 50c; per ¼ oz., \$3.00; per oz., \$10.00.

Bugnot's Superb Blotched. Mixed colors. A celebrated French strain, extra large, choicest colors, broad blotches and delicate pencilings; ground colors generally light, bringing the elegant markings out in strong relief. Per pkt., 500 seeds, \$1.00; per ¼ oz., \$5.00; per oz., \$18.00.

Bugnot's Exhibition, saved from plants obtained from the grower's original seed. An incomparable strain. Per pkt., 500 seeds, 35c; per ¼ oz., \$1.50; per oz., \$5.00.

Cassier's Very Large-flowered Blotched. The largest-flowered class of Blotched Pansies, a very showy and especially rich strain; quality unsurpassed. Per pkt., 500 seeds, 35c; per ¼ oz., \$1.50; per oz., \$5.00.



VERY LARGE FLOWERING VARIETIES.

	Pkt., 500 seeds	¼ oz.	Oz.
Giant Adonis. (light blue).....	\$0.15	\$1.00	\$3.00
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Giant Freya, (silver edged,) extra fine.....	.15	1.00	3.00
Giant Golden Queen, (pure yellow).....	.15	.75	2.50
Giant King of the Blacks } fine new {.....	.15	1.00	3.00
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Giant Lord Beaconsfield, very beautiful.....	.15	.75	2.50

	Pkt., 500 seeds	¼ oz.	Oz.
Giant Peacock Superb, variety true.....	\$0.30	\$1.75	\$5.00
Giant Snowflake, extra.....	.15	1.00	3.00
Giant Bridesmaid, new, white.....	.50	2.50	7.50
Shining Rose, beautifully blotched.....			
Giant White, purple eye.....	.15	1.00	3.00
Giant Ruby, new superb red shades.....	.30	1.75	5.00
Giant Prince Bismarck, (light brown).....	.30	1.75	6.00
Giant Mixed.....	.15	.75	2.50

LILIUM HARRISII.

The true stock of Harrisii, selected and packed under our own supervision, and far superior to most stock usually sold for Harrisii.

	Per 100	Per 1000
5 x 7.....	\$4.00	\$35.00
6 x 7.....	5.00	40.00
7 x 9.....	8.00	75.00
9 x 11.....	16.00	150.00

This stock is the one generally sold for Harrisii. They are a fine even grade of bulb, but not so pure as our selected stock.

	Per 100	Per 1000
5 x 7.....	\$3.50	\$30.00
7 x 9.....	7.00	65.00
9 x 11.....	14.00	135.00

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Allen's Defiance.

Grown from the original strain, carefully selected by ourselves and we feel that no truer or better strain can be had. Per pkt., 500 seeds, 25c; per ¼ oz., \$1.25; per oz., \$4.00.

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½-inch bulbs, selected stock, 75c per 100; \$6.00 per 1000.
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Ferns in Flats

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Lil. Harristii,	Doz.	100	1000
Healthy, plump bulbs, 5-7.....	\$.40	\$8.00	\$80.00
" " " 7-9.....	1.00	7.00	65.00
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Lil. Candidum, thick petaled stock, flowers of great substance, very floriferous, 1st size.....	.60	4.50	
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Freelias, White Bermuda,			
1/2-in. up.....	.10	.75	5.00
Extra size.....	.20	1.00	9.00

Freelias, California-Grown,			
Extra fine, pure white, 1/2-in. up.....	.05	.40	3.00
1/2-in. up.....	.10	.60	5.00
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Calla Ethiopica, each bulb with sound center shoot, 3-5 in.....	.50	3.00	
4-6 inch.....	.60	4.00	
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Monsters.....	1.50	10.00	

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Calif. Grande Duchesse, white.....	.20	1.25	10.00
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Calif. Grande Duchesse Oxalis has enormous flowers, blooms in glorious masses.

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Just received, 1st size.....	3.00	20.00	
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Hyacinths, Early French Roman white, ready August, 11-12 in....	.30	2.00	19.00
12-15 inch.....	.40	2.75	26.50
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SEEDS.

	100 seeds	1000 seeds
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Asparagus Sprengeri, fresh crop... \$.20 \$1.00

Asparagus Decumbens, a novelty in climbing Asparagus, beautiful cut sprays..... .85 7.50

Smilax Seed, fresh crop, 1 pkt., 10c; oz., 25c; 1 lb., \$2.00; 1/4 lb., 60c.

Shasta Daisy, the floral wonder, if sown at proper intervals, gives florists cut flowers the year around, one of the best paying novelties... .25 2.00

Mignonette, Allen's Defiance, pkt., 20c; oz., 50c

Fern spores, mixed, pkt., 25c.

Calceolaria Hybrida Max. or Nana, pkt., 25c; 5 pkts., \$1.00.

Cineraria Hybrida Max. or Nana, pkt., 25c; 5 pkts., \$1.00.

Primula Sinensis Fimbriata, pure white, rose, crimson, blood red, white with yellow eye, blue, in separate colors or mixed, 100 seeds, 25c; 1000 seeds, \$1.75.

Gloxinia in best prize mixture, pkt., 25c.

Cyclamen Persicum Giganteum, saved from Grand Prize blooms, pure white, white with crimson eye, brilliant crimson, rose, separate, per 100 seeds, 70c; 1000 seeds, \$6.00. All colors, mixed, 100 seeds, 60c; 1000 seeds, \$5.00.

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Berger's Never Fail is a mixture made by ourselves, containing the cream of French, German, Scotch and American markets. All sorts, all colors, Giant Flowers, 1000 seeds, 25c; 3000 seeds, \$1.00; 1/2 oz., \$2.00; 1 oz., \$3.00. TRY IT.

We also furnish any named sort of Pansy separate, or any color separate, white, blue, purple, red, lilac, bronze, yellow, black, striped, blotched, etc.

FERNS IN FLATS, 110 clumps of best sorts, ready to pot, at \$2.00.

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The Milwaukee Convention.

THE BANNER MEETING OF THE SOCIETY OF AMERICAN FLORISTS.

Next Meeting to be held at St. Louis, Mo.

OFFICERS FOR 1904:

President, PHILIP BREITMEYER, Detroit, Mich.

Vice-President, J. J. BENEKE, St. Louis, Mo.

Secretary, WM. J. STEWART, Boston, Mass.

Treasurer, H. B. BEATTY, Oil City, Pa.

All that Milwaukee promised has been fulfilled and the nineteenth annual convention of the Society of American Florists goes on record as the best yet. The attendance was large, all the familiar faces being seen, with many for whom it was a new experience and one long to be remembered. Many new names were added to the membership roll and an impetus given to the grand old society which will carry it on to other and yet better things.

The far east turned out strong, New York, Boston, Washington and Philadelphia having excellent representation, and Buffalo, Cleveland, Detroit, Cincinnati, St. Louis, Denver and Chicago did themselves proud, while from the towns of the middle west the craft was present almost to a man. It was a gathering to rejoice the hearts of the hospitable men who have worked so long and arduously for this successful culmination and it was a turnout to afford the most adequate compensation to the exhibitors who had gone to such great pains to put up the most magnificent exposition of florists' wares ever staged.

The trade exhibition was a revelation, not only to those who came to their first convention, but also to those who have not missed a meeting, and the elaborateness of the display spoke more eloquently than words of the marvelous advance in all departments of our trade in recent years. Never has so large a hall been available for the showing of our wares and never has the space been more completely occupied. In fact, so extensive was the display of florists' supplies that much more room might have been devoted to this department to the advantage of all exhibitors. The aisles were very crowded between sessions. All the houses were represented and made showings of greater extent than ever before; good things were on all the stands. In the end of the building devoted to plants the space was more nearly adequate to the needs, but here, too, the display was far more extensive than usual. The stock shown was of uniformly high quality, mostly in the line of decorative

plants, and some very large exhibits were staged. The general effect of the exhibition, viewed from whatever point, could hardly have been improved upon, even the exhibitors of building material and heating apparatus putting up their displays, usually more practical than decorative, in very pleasing shape.

When the hour for the opening session arrived every seat in the adjoining audience room was occupied. Vice-President Pollworth called for order and in a few well chosen phrases presented a gavel to President Burton, on behalf of the Milwaukee Florists' Club, and introduced Mayor Rose, who straightway won for himself a place high in the esteem of his auditors.

Mayor Rose said that the exhibition spread out in the big hall was a revelation to Milwaukee, an evidence that the magnitude of the industry it represented was inadequately appreciated by those whose daily avocations do not bring them in touch with the florists' trade. He said that Milwaukee was famous as a city of beer, but that it does not deserve an opprobrious title; a walk in the residence districts would show it to be a city of flowers. And flowers are essential to human happiness. Take the aesthetic attributes away from man and you have no man left. The Mayor proceeded to "point with pride," as mayors do, to the many things for which Milwaukee should also be famous. He said his city had the greatest bowlers in the country and challenged the best team the florists could produce. He said that Milwaukee is only 85 miles from the wickedest city on earth, yet it is the most orderly; that it has a splendid police department but that its duties are more in line with the good offices of the Red Cross Society when visitors are in town.

Mr. Pollworth then introduced Adam Graham, of Cleveland, one of the eleven ex-presidents of the society who sat in a semi-circle back of the presiding officer, to respond. His remarks in response to the mayor were of witty character, relating to the extent of the free advertising Milwaukee gets from having her

name over the doors of so many business houses through the length and breadth of the land.

Vice-president Pollworth next introduced President Burton, who took this, the first opportunity, to thank the society for his re-election under unusual circumstances at Asheville. He then read his address, as follows:

President Burton's Address.

Most of you are aware, I suppose, that I am not a believer in long addresses, and it will be my aim in the few remarks I have to make to you at this, our nineteenth annual convention, to say that which I have to say in the fewest possible words.

From all sections of the country I hear good news of a prosperous business during the past season. The black cloud which hung over many of us during the fall and early winter, the strike in the hard coal regions of Pennsylvania, was happily dispelled before it had spelt absolute ruin to our business. The subsequent good prices and brisk demand largely compensated for losses sustained in the majority of cases, but we regret the misfortune and extend our fullest sympathy to those who suffered so severely, many of whom were almost ruined by this calamity.

Another black cloud which threatened our business last season in addition to the calamity of the coal strike, was the arbitrary action of the express companies in advancing rates on the shipment of cut flowers, to an exorbitant and almost prohibitory extent. The trade was greatly alarmed and a storm of protest arose in all sections of the country. Florists' clubs, local committees and private individuals all took an energetic hand in resisting the exactions, and the national society gives full acknowledgment to all this assistance in securing the victory which it happily gained after several months of energetic effort. Special acknowledgment is also due to the valuable and faithful work performed in this connection by the society's special committee, Messrs. May, O'Mara and Sheridan.

Expansion in the West.

On the whole, the past year has been one of progress and prosperity, and there seems every reason to believe that the upward tendency will continue. I am not going to preach to you about the inevitable reaction which they say is bound to come sometime, but will content myself with a word of caution to hold something in reserve. During a season of remarkable expansion the excitement is apt to carry us further than is wise or expedient and in this, as in all other things, it is best not to be as expansive as we can, but to stop short before we reach the extreme of our ability or endurance. This remark is inspired by the way things are developing in the middle west. Glass is being erected so fast and general business is expanding at such a rate in that section as almost to make an easterner's head swim.

I have traveled considerably over the western section in the past year and have to acknowledge that we in the east have but the faintest conception of how things have been developing, especially in the production of cut flowers. It is simply astonishing and we must extend our congratulations and endeavor to sit as gracefully as we can on the back seat hereafter. I may remark, however,

that the development in the culture of foliage and flowering plants does not seem to have kept pace with that of cut flowers. Plants will probably be the next department taken up by our enterprising friends in the west and will tend to diversify and steady the business.

Value of the S. A. F.

Looking back over the development of the past nineteen years, we must all feel that that progress would have been much slower if there had been no Society of American Florists with its annual conventions, its discussions of timely topics, the swapping of ideas among the members, each member giving and receiving inspiration for further progress, giving and receiving counsel of untold value and laying the foundations of success, not only for themselves, but for all those of their neighbors who in turn profited by their good example. Those pioneers of progress who attended the conventions in days gone by, came from all sections of the country and when they went home and put their new ideas into effect, all their neighbors saw it and went and did likewise. And so the good work went on all over the land, quietly and unostentatiously, but none the less surely until we see the remarkable expansion of the present day. And yet how few of those stay-at-homes ever give the society the credit for all the priceless benefits they thus received from it.

Every member of the trade owes a debt of gratitude to the society beyond money and beyond price, and they owe it to their profession to do their share for the general advancement. One's first duty is to look after his own interests, of course, but there are other duties besides that of one's family and one's business, one of which is the duty which each of us owes to his profession. I do not attribute neglect of this higher duty altogether to mere selfishness. I think a great deal of it comes from want of reflection. If all would reflect on the great silent work the society has been doing for the past nineteen years we would never hear the question: "What has the society done?" And instead of grudging the \$3 annual dues they would put their hands in their pockets cheerfully to the last man, for that small sum, and also find the time to attend conventions, and so pay the debt to the society at least that much. We have made great strides so far, but there are great questions in front of us yet and we need the combined strength of the whole trade to tackle them.

Industry and Thrift.

While reflecting on my visits among my compeers in different parts of the country, there is one point that has struck me very forcibly, namely, that the place where packing sheds are clean and tidy and orderly, where the walks are smooth and free from rubbish, where the beds are without weeds, where paint and repairs are in evidence all around, there is the place where the prosperous man holds out; showing very clearly that the old fashioned virtues of industry and thrift are not dead letters in this modern age of improvement and invention but are still the difficult and narrow paths that lead to success. I admire hard work, aided by brains, but I do not forget that hard work comes first, brains after. Brains will never do anything in this world unless there be some



Philip Breitmeyer, President-Elect Society of American Florists.

push behind them. An industrious and thrifty worker will beat the born-tired genius every time.

In our business it is not the genius we want so much as the fellow who will take hold with a will and do his share of the daily grubbing, confident that in the long run that is the way to become competent and be able to hold his end up in the race for life. Not that I object to genius; about one in 5,000 perhaps will be a genius and we can look on and wonder when he comes along; what we have to consider now is that we want the other 4,999 to be competent and industrious hewers of wood and drawers of water. If the whole 5,000 are aided and abetted by higher education into thinking themselves geniuses, life will be half over for most of them before they realize their mistake. Let us start them out right.

We heard something recently about the help forming a union which may be a good thing for the business and then again it may not. For myself I have grave doubts about it if the same spirit of antagonism and selfishness animates it as seems to be the case in other businesses. I have no objection to any good workman bettering his position if he can, and I think merit should always be promptly recognized, but I cannot see any good in boosting the incompetent man at the expense of his fellows. If a workman's union will devote itself to improving the quality of our help it will be doing a good work and if the help are bound to have a union we ought to minimize the evil of same by encouraging them along that line. Most of you

have had experience of what a coal strike means and you can realize the damage that a body of irresponsible, bull-headed men could do on a greenhouse establishment at a critical time. For damage of that kind there seems to be no protection and we will have to prepare ourselves as best we may against this threatened trouble. A factory or mine can shut down without much direct loss but the florist has to keep going or be ruined.

The Peony Committee.

Among the few remarks which I had the honor of presenting to the society for its consideration last year, I included a suggestion for a plan to knit our organization more closely together when special work was required on any particular flower. The method previously followed had been to form a separate society, and I agreed with nearly every president before me in thinking that was not the best that could be devised and suggested that a committee, with power to add to its numbers, should be appointed, say, on the peony as a starter, not that that was the only flower of which good work could be done best, but because the interest in it was on the increase and its possibilities in the florists' business seemed capable of being stimulated for the benefit of the members of our society.

The suggestion having been adopted, it devolved on me to appoint the committee and in that I found some difficulty. I had to cover quite a large field and occupy several months before I could find nine men to serve on that

committee. As finally made up the committee consisted of the following: Patrick O'Mara, Carl Cropp, G. C. Watson, John Farquhar, Edwin Lonsdale, J. T. Temple, Peter Bisset, S. M. Meehan and W. R. Smith.

That committee will no doubt make its report to you in due course. I understand there has been a question raised as to the committee's power to add to its number from the omission of that clause from the motion, although the said motion was intended to give effect to my suggestion: "That a committee with power to add to its numbers be appointed." This may have hampered the committee but if the society wishes to continue the work of the committee the defect can easily be remedied at this meeting. A year will not make a great deal of difference to a committee whose work will be continuous and permanent. The difficulty of securing a committee on the peony arose from two reasons, first because few of the S. A. F. members had gone into peonies as a specialty, second because several of the more prominent peony specialists had already pledged themselves to another organization. While disclaiming all thought of rivalry we recognize that there is work of a special nature from the florists' standpoint, which our organization can do for us better than the other, which seems to be under the wing of the nurseryman's society.

I would also suggest for consideration at this meeting, the wisdom of appointing similar committees for the iris and the phlox. Both of these families have a future before them and we want all the information we can get that will help the florist in extending his business along these lines.

In regard to nomenclature I would again suggest the advisability of reviving that committee. This matter was recommended by the executive committee

at its meeting in Milwaukee. The good work accomplished in the past leads to the belief that such a committee has a permanent function in our society, both preventive and remedial, and I would strongly recommend to the individual members to call the attention of this committee (if appointed) to all instances of duplication or renaming that come to their knowledge. It is of very little encouragement to a committee of this kind to be told that they have not corrected an abuse when the individuals who suffered never took the trouble to call their attention to the matter.

Executive Committee's Work.

The executive committee had several important matters before it at the annual meeting in Milwaukee which will come before you in the regular order. Of special importance I consider the arrangement instituted for the meeting of state vice-presidents for the purpose of getting in closer touch with each other and with the society. The wishes of each state as to next incumbent can be more readily ascertained by this means also, and I look for good results in various ways from this innovation and trust each vice president will be on hand.

Another important subject discussed was how to have the business sessions better attended. This resulted in the appointment of a sergeant-at-arms, who, with his assistants, is required to see that all members who can do so be induced to attend the meetings and postpone the discussion of personal or business matters to a more opportune time.

This is no new problem, being as old as civilization. We read of the scheme which the ancient Greeks adopted, a rope covered with wet paint stretched from side to side of the street in the hands of two stalwart officers, to compel the

crowd to attend the public meetings and even in more modern times, among our colonial fathers, the pains and penalties for lounging instead of going to church were severe, but while we are not going to be so drastic, perhaps, in our case we still mean in all seriousness to make an earnest effort to do justice to the able gentlemen who have come so far and who have prepared themselves at great pains to address us. The executive committee wishes it clearly understood that the rule as to having the exhibition hall cleared during sessions is to be strictly enforced; that it is no mere whim of the sergeant-at-arms but an ironclad rule that must be obeyed by all, by exhibitors as well as by visitors.

In conclusion, I take this opportunity of extending sympathy as official head of our society to the families and friends of those of our members who have been called from among us during the past year. To feel the loss of their able assistance and wise counsels in the work we are now doing; what they have done is graven on our memories and in the records of the society and we will ever hold them in affectionate remembrance.

Secretary Stewart then presented his annual report, as follows:

Report of the Secretary.

Again we assemble as a society, to sum up the doings and experiences of another year, to draw conclusions therefrom and determine lines of future activity; as individuals, to meet congenial friends and renew old friendships, to gain knowledge and enlarge our minds by contact and intercourse with the foremost representatives of our profession.

It becomes my duty to make report to you of our transactions and our progress as an organization, since the hour of our adjournment one year ago, when



General View of the Trade Exhibition at the Milwaukee Convention of the S. A. F.

we said good-bye to beautiful Biltmore and voiced in vociferous chorus our gratitude to the good and faithful friends we had found in Dixie land.

The story of our Asheville convention is told in a book of 210 pages, the largest annual volume ever issued by the society. Its contents established the fact that our meeting in the south compared favorably in all respects with its predecessors, that the accompanying exhibition, although of moderate size, was comprehensive and creditable and that the customary pastimes and entertainments were fully enjoyed.

The list of the year's plant introductions in America as recorded in the annual report comprised nineteen cannas, seventeen carnations, forty-seven chrysanthemums, ten roses, four geraniums and eighteen miscellaneous plants, doubtless a very incomplete list but the best possible with the data at hand. Unquestionably, full and authentic statistics on this line would prove of great service for future reference.

During the past year our florists have been confronted with an unusual measure of harassing conditions demanding alert vigilance on the part of the national society. The extortionate prices exacted for greenhouse glass, the notorious coal famine and the advance in express tariff on flowers may be cited in particular as inflicting direct injury upon the florists' industry. On two of these matters special committee reports are due, hence a brief reference to them will suffice here. Numerous letters from the secretary's office to influential florists, seeking to stir up a movement in favor of congressional action on the glass question, met with a depressingly scant response. A remarkable evidence of indifference on the part of the florist trade outside of the society's membership, which I feel should go on permanent record as a modern repetition of an oft-told story, was furnished after our successful encounter with the express companies. Immediately upon the rescinding of the high rates, letters were written by your secretary to the numerous florists throughout the country—who had been appealing to the S. A. F., through trade papers, petitions, protests and letters, for relief—announcing to them the happy outcome of our agitation, reminding them that this could not have been accomplished without organized effort and asking that they become members and supporters of the organization in recognition of its substantial services to them. Just one response was the net result.

The executive committee met in Milwaukee on March 17 and 18, seven members being in attendance, and their reception by the Chicago and Milwaukee brethren was generous and cordial. The various departments of the society's affairs were scrutinized, suggestions as to our future welfare fully discussed and progressive measures adopted with a view to bringing every feature of this Milwaukee meeting up to the highest standard. An innovation which will doubtless find occasion to speak for itself and demonstrate its utility during the next three days is the appointment of a sergeant-at-arms with two sturdy assistants whose functions are to see to the enforcement of the rules appertaining to the exhibition and maintain order in and about the hall and anterooms while the society's deliberations are in progress.



J. J. Beneke, Vice-President-Elect, Society American Florists and President-Elect St. Louis Florist Club.

The list of plants registered in the secretary's office has been added to during the year as follows:

Aug. 25, 1902, Carnations Wingold and Biltmore, by J. B. Trudo.

Sept. 20, 1902, Geraniums Double Dryden, James S. Wilson, Little Red Riding Hood, Governor Stone, Cleopatra and Goliath, by Henry Elchholz.

Sept. 22, 1902, Rose Beauty of Rosemawr, by the Conard & Jones Co.

Oct. 20, 1902, Rose Ideal, by Jacob Becker.

Oct. 27, 1902, Carnation Mrs. Phoebe Hearst, by Leonard J. Stankowicz.

Nov. 10, 1902, Carnation Governor Lowndes, by H. Weber & Son.

Nov. 10, 1902, Rose Canadian Queen, by the H. Dale Estate.

Nov. 17, 1902, Cannas Hiawatha, Chautauqua, Gladiator and Louise, by the Conard & Jones Co.

Nov. 19, 1902, Roses Prof. C. S. Sargent, Wm. F. Dreer, Wm. K. Harris, Robert Craig, Edwin Lonsdale and John Burton, by Hoopes, Bro. & Thomas.

Jan. 31, 1903, Adiantum cuneatum Crowe-anum, by Peter Crowe.

March 28, 1903, Herbaceous peonies Rosalind, Medusa, Crown on Crown, Originality, Harlequin, Daybreak, Cascade, Delight, Felicity, Cathedral, Sunrise, Dragon's Head, Flamboyant, Bonfire, Ebony, Crystal Queen, Fantasy, Marble Faun, Apple Blossom, Mayflower, Cashmere, Cherub, Bacchus, Diana, Gypsy, Fascination and Fireball. Tree peonies Achievement, Wistaria, Icicles, Red Cape, Morning Glory, Panorama, Pink Silver, Red Riding Hood, Frugality, Red Cloud, Blushing Bride, Coral, Snowstorm, Jacqueminot, White Dragon, Eternity, Meteor, Purple Crown, Rose Queen, Dawn, Pink Perfection, Mars, Celestial, Purple Cloud, Serenade, Croesus and Abbess, by Suzuki & Iida.

April 20, 1903, Rose Climbing, Pillar of Gold, by the Good & Reese Co.

July 14, 1903, Canna Lord Charles Beresford, by Henry Morris.

Aug. 1, 1903, Roses Leo XIII. and Northern Light, by Conard & Jones Co.

Aug. 5, 1903, Geranium The Mascotte, by E. Worden.

Aug. 8, 1903, Manda's Golden Privet, by W. A. Manda.

Medals have been awarded since last report as follows:

Nov. 8, 1902, through the Cincinnati Florists' Society, a silver medal to George & Allan for Adiantum cuneatum Georgell.

Dec. 3, 1902, through the New Haven County Horticultural Society, a silver medal to David Kydd for Begonia Kydii.

Dec. 4, 1902, through the Horticultural Society of Chicago, a silver medal to Fred Dornier & Sons Co. for Carnation Fiancee, and a bronze medal to Nathan Smith & Son, for Chrysanthemum F. J. Taggart.

Dec. 14, through the New York Florists' Club, a silver medal to F. R. Pierson Co., for Nephrolepis exaltata Piersoni and a bronze medal to the H. Dale Estate, for Rose Canadian Queen.

Dec. 29, 1902, through the Chrysanthemum Society of America, to E. G. Hill Co., a silver medal for Chrysanthemum R. E. Richardson, and a bronze medal to Nathan Smith & Son, for Chrysanthemum H. W. Buckbee.

March 3, 1903, through the American Carnation Society, a silver medal to L. E. Marquisee, for Carnation Flamingo and a bronze medal to Peter Fisher, for Carnation Mrs. M. A. Patten.

Our total membership as per the printed list for 1902 was fifty-eight life and 820 annual, fifty-three less than for 1901. Nine annual members have since taken out life memberships. Seven have been taken from us by death since our last meeting. Deaths are recorded as follows:

W. A. Bock, Cambridge, Mass., August 19, 1902.

J. J. Harris, Philadelphia, Pa., November 25, 1902.

F. L. Harris, Wellesley, Mass., January 11, 1903.

A. Wollmers, Brooklyn, N. Y., February 25, 1903.

J. W. Withers, New York city, April 13, 1903.

Charles Zeller, Brooklyn, N. Y., June 28, 1903.

A. H. Hews, Cambridge, Mass., July 8, 1903.

The number of new and reinstated members added during the year 1902 was 107, of whom three are life members. In these additions the various states were represented as follows: Connecticut, Kentucky, Minnesota, New Jersey, Wisconsin, Louisiana, Texas and Ontario, one each; Michigan, Rhode Is-

land, Tennessee and Indiana, two each; District of Columbia, Florida, Maryland, and Massachusetts, three each; Alabama, California, Maine, New York and Virginia, four each; South Carolina, five; Georgia, seven; Ohio and Illinois, eight each; Pennsylvania, fifteen; North Carolina, sixteen.

From the foregoing it will be seen that, notwithstanding the disadvantage of having moved our center of activity from the thronged Pan-American to remote Asheville with its scattered constituency, our society is in fairly prosperous circumstances as to funds, membership and general activity along legitimate lines. It is especially gratifying to note that the life membership list is steadily lengthening and its permanent and approaching dimensions where the accruing annual interest amounts to a substantial sum.

We should not, however, lose sight of the fact that, considering the number of people engaged in horticultural pursuits in the United States, our membership is disappointingly small and our sphere of usefulness consequently limited. We should have a life membership of at least 1,000 and an annual list of twice that number. How shall we attain it? Thus far all expedients for acquiring the consistent allegiance of the thousands of prosperous florists of our country have produced but minor results and when such services as we have been able to give this year prove ineffectual, whither shall we turn?

In closing this report permit me to express the hope that the results of this convention will justify all the unselfish, faithful preparatory work which has been done by society officials and the energetic members of the local florists' club whose favored guests we are today.

WM. J. STEWART, Secretary.

At the conclusion of the reading of the secretary's report Alexander Wallace asked if the peonies noted in the registration were new varieties. The secretary stated that he had no personal knowledge, of these or other plants, simply taking the members' word in such matters. Mr. Wallace asked if it is not a fact that the peonies in question are a Japanese set previously distributed under native names. The secretary replied that if such were known to be the case when notice of provisional registration was given, the member should have given the society the benefit of his knowledge at that time, that the secretary had no option in the matter. Mr. Wallace said he had no desire to attack the secretary, but that the peonies were not competent for registration as they are not, in his opinion, new sorts, and moved that that part of the report relating to this subject be laid on the table until such time as it can be shown that these varieties have not previously been distributed under other names. The motion prevailed and the balance of the report was adopted.

Treasurer's Report.

The treasurer reported as follows:

Cash, Jan. 1, 1902.....	\$2,111.11
Receipts	2,519.82
Total	\$4,630.93
Disbursements	1,920.16
Balance, Jan. 1, 1903.....	\$2,710.77
Receipts to July 31, 1903.....	1,255.00
Total	\$3,965.77
Disbursements	1,492.70
Balance, Aug. 1, 1903.....	\$2,473.07

In the life membership fund there is \$2,223.04.

Judges of Trade Exhibits.

Judges of the trade exhibits were appointed as follows:

Class A—Plants: A. Ferguson, Detroit; Henry Young, St. Louis; W. L. Palinsky, Chicago; H. Papworth, New Orleans; Otto Spiedel, Oconomowoc, Wis.

Class B—Cut flowers: A. H. Langjahr, Brooklyn; Jno. Sibson, Philadelphia; E. G. Gillett, Cincinnati; A. F. Barbe, Kansas City.

Class C—Boilers: Lemuel Ball, Wisconsin; Philadelphia; J. M. Gasser, Cleveland; J. T. Temple, Davenport.

Class D—Appliances: J. S. Wilson, Western Springs, Ill.; W. A. Kennedy, Milwaukee; H. M. Altick, Dayton, O.

Class E—Supplies: W. F. Kasting, Buffalo; C. C. Pollworth, Milwaukee; Jno. Westcott, Philadelphia.

Class F—Bulbs: Wm. Currie, Milwaukee; August Poehlmann, Chicago; Jno. Farquhar, Boston.

Communications and Amendments.

Several communications were read and laid on the table and the state vice-presidents' reports were presented and ordered printed without reading. For the legislative committee John N. May presented a report on the matter of express rates and the society voted its thanks for the good work done.

For the peony committee George C. Watson presented a report which stated was no more than his personal statement, the committee not having had a meeting recently. He detailed what the committee had done and stated that it had acted on the supposition that it had "power to add to its number" until the matter was questioned, when it ceased active operations until the will of the society could be ascertained. Patrick O'Mara moved that the committee be continued with power to add to its number and the motion prevailed unanimously.

William Scott, for the committee on closer relations, presented the following draft of an amendment to the constitution:

Closer Relations with Kindred Societies

Sec. 1. Any number of persons, not less than fifty, and not less than twenty-five being

members in good standing of the S. A. F. & O. H., who shall be interested in horticulture or in horticultural pursuits, and who represent any particular power or particular branch of horticulture, may be organized as a section of the Society of American Florists and Ornamental Horticulturists.

Sec. 2. Officers and Government of Sections—The officers of any section shall consist of a president, vice-president, secretary, and an executive committee, composed of the president and secretary, and in addition thereto, three members, who shall be appointed or elected in such manner as may be provided in the by-laws of said section, and such executive committee shall be vested with the government of such section between its regularly called sessions.

Sec. 3. Delegates—Each duly enrolled section having a membership of fifty or more in good standing, of whom at least twenty-five are members in good standing of the Society of American Florists and Ornamental Horticulturists, shall be entitled to elect one delegate annually, who shall serve for one year as a member of the executive board with all the powers, rights and privileges appertaining thereto, the payment by the S. A. F. of traveling expenses of such delegate in attendance on meetings of the executive board being alone excepted.

Sec. 4. Annual Dues—The annual dues and membership fees of any section shall be determined and controlled by the members of any section themselves, and will be entirely separate and distinct from their annual dues and membership fee paid to the S. A. F. & O. H. Any member in good standing in any section, shall be entitled to the annual report of the S. A. F. & O. H., but he will not be entitled to a vote or to take part in the deliberations of the S. A. F. & O. H. unless he is a member of that society in good standing.

Sec. 5. Constitution and By-Laws of Sections—Each section shall, in conformity with the aims and purposes and the charter of the Society of American Florists and Ornamental Horticulturists, provide for itself such additional officers, constitution, by-laws, rules and regulations, as may be required by such section in the accomplishment of its work, and shall determine the date upon which its annual meeting or exhibition shall be held.

Sec. 6. Annual Report—The secretary of each section shall attend each annual meeting of the Society of American Florists and Ornamental Horticulturists, and at such meeting shall present in writing a full report of the proceedings of such section, which report shall be incorporated by the secretary of the Society of American Florists and Ornamental Horticulturists in the annual report of this society.

Sec. 7. Plant Registration—Registration of plants by members of sections shall be effected through the registration department of the S. A. F. & O. H.

Sec. 8. Special Appropriations—The Society of American Florists and Ornamental Horticulturists may from time to time pay to any duly organized section in good standing, for its use in furthering its work, such sum as may be voted by its executive board, due regard being had for the number of members, the average attendance, the amount, character and importance of the work being done and the needs of the section, and may at the order of said executive board, contribute for the use of any section, suitable medals, certificates or other awards for new plants of American origin and other products of American skill deemed of special value to horticulture.

Sec. 9. Scientific Work—The services of the regularly constituted legislative, botanical, pathological and the entomological committees of the Society of American Florists and Orna-



A Part of the Bayersdorfer & Co. Exhibit at the Milwaukee Convention.

mental Horticulturists shall be at the disposal of any Co-operative Society making request therefore through the secretary of the S. A. F. Any expense appertaining thereto shall be paid by the S. A. F., but a full detailed report of such investigation or other work shall be furnished by said Co-operative Society to the secretary of the S. A. F., and to him only, for the purposes of record.

On motion of W. N. Rudd the matter was referred to the executive committee, if approved by them to take the usual course of amendments to the constitution. The meeting then adjourned.

The President's Reception.

The president's reception Tuesday evening was a great success. Mr. Burton was assisted on this occasion by Vice-President Pollworth, Mrs. Siebert, Mr. and Mrs. Hunkel, Mr. and Mrs. Whitnall and mother, Mr. and Mrs. Beatty, W. R. Smith, Robert Craig, Adam Graham and Mr. and Mrs. Pollworth, Sr. The immense balcony of the Exposition building had been set apart and handsomely decorated for the occasion. Nearly every member of the S. A. F. in Milwaukee honored the president by his attendance. The Milwaukee Club had made elaborate arrangements as to music and refreshments. The Glee Club sang sweetly and often. An excellent orchestra added its quota of harmony. Ice cream and cakes and lemonade were in profuse supply, and a few tripped the light fantastic as the evening's enjoyment neared its end.

The appropriate songs of Miss Pearl Fulmer, of Des Moines, were especially appreciated. Altogether it was one of the happiest evenings in the history of the society.

It was nearly midnight when the last of the guests departed.

Wednesday's Proceedings.

Wednesday morning a number of the judges of trade exhibits reported, but others had not yet completed their labors and the convention proceeded to the selection of a meeting place for 1904. Secretary Stewart read invitations from hotels and business leagues in various parts of the country, and F. J. Ammann spoke for the St. Louis Florists' Club to such good effect that the secretary was instructed to cast the unanimous ballot of the society for St. Louis in the world's fair year.

Robert F. Tesson, of St. Louis, was then introduced and read his paper on "System of Accounts for Greenhouses

and Forms for Determining Cost of Production." He illustrated his essay with large sketches showing his system in detail.

The next order of business was the nomination of officers for 1904. Patrick O'Mara, of New York, named Prof. John F. Cowell in a brief speech, and William Scott seconded the nomination. E. G. Gillett, of Cincinnati, presented the name of C. C. Pollworth, ex-Vice-President Deake, of Asheville, that of John T. Temple, of Davenport, Ia., and H. A. Bunyard that of Phil Breitmeyer, of Detroit. Further nominations not being forthcoming, the vice-presidency was taken up, J. J. Beneke, of St. Louis, being the only nominee. Secretary Stewart and Treasurer Beatty were nominated for re-election. Adjournment was then taken to the bowling alleys.

On Wednesday afternoon, while the bowling was in progress, the ladies, and there were a goodly number, were taken out for a ride and shown the beauties of Milwaukee.

At the evening session Prof. F. W. Taylor, chief of horticulture at the St. Louis World's Fair, made one of his characteristic addresses, briefly outlining the scope and purposes of his department. He stated that at no previous exposition has such liberal provision been made for the display of growing stock. Besides the great building there are fifty acres of outdoor space, fully two-thirds of which has already been applied for. Much work has been done, 10,000 roses having been planted this spring, and Mr. Taylor stated that men of the trade who have visited the grounds recently have all spoken highly of the facilities for good displays. He asked that all growers prepare exhibits. The owner is asked to plant his own stock, but after it is established the management will assume all responsibility for its care. Mr. Taylor was given a vote of thanks for his remarks.

John N. May, of Summit, N. J., was called upon for his paper on greenhouse construction and at its conclusion, on motion of Mr. Heacock, he was voted the society's thanks. The session closed with C. B. Whitnall's address on decorating home grounds, illustrated with stereopticon views from photographs by the speaker.

Thursday's Proceedings.

At the opening Thursday morning the

remaining reports of judges were presented and the polls were opened for the election of officers. H. M. Altick was then introduced to speak on behalf of the McKinley Memorial League. He said that the observance of McKinley day, January 29, by the wearing of the late president's favorite flower is of greatest value to the carnation and all florists and urged that everyone join the league. He said that he feels sufficient personal interest to be willing to give the movement all of his receipts on McKinley day, 1904. W. F. Gude, of Washington, said that while he appreciates the business opportunity presented, he wished to speak for the sentimental side, and J. D. Carmody urged the adoption of the carnation as the national flower.

William Scott read Alex McConnell's paper on "Modern Methods in Floral Decoration" and on motion of E. H. Cushman both the author and the reader received the thanks of the society. Mr. Scott then called attention to the millions of money expended by the Department of Agriculture for the benefit of the farmer and contrasted it with the meager work done for our trade, representing a large investment and perplexed by many problems of which the average grower has not facilities for solution. He offered a resolution that the society petition congress for sufficient appropriations to enable the Department to take up work for our trade on a scale equal to its importance. The resolution was adopted.

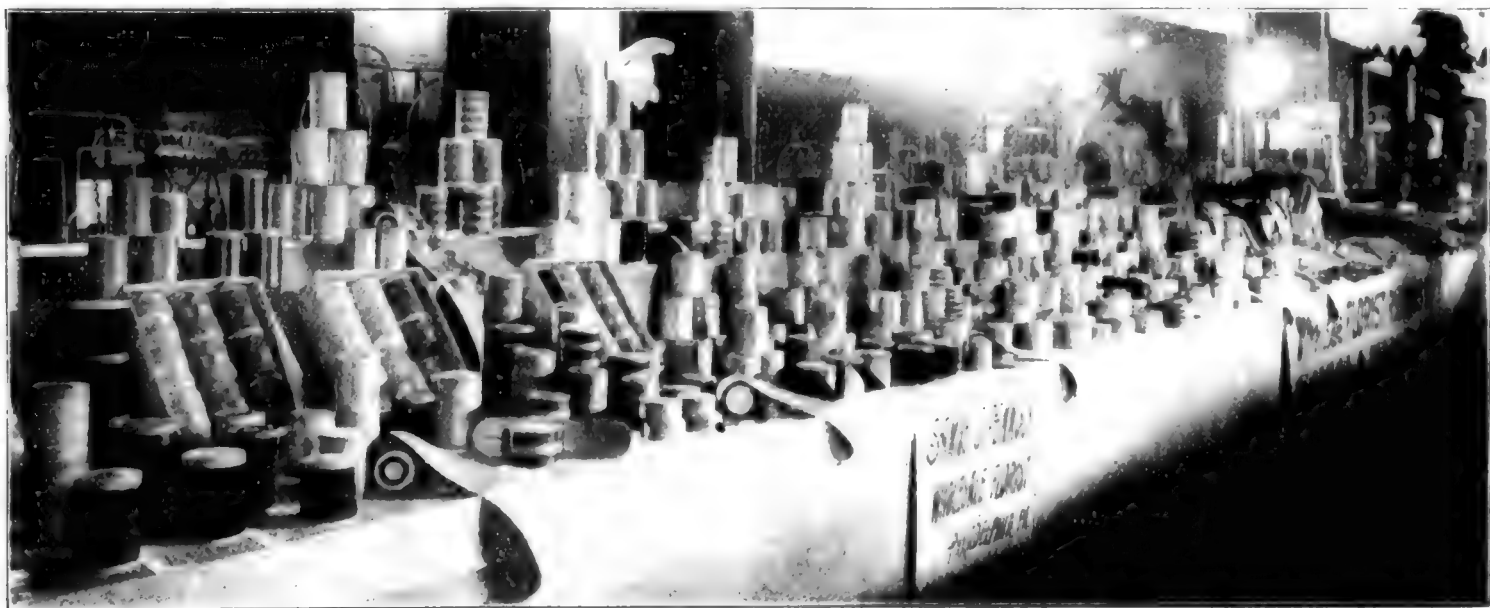
George F. Crabb, of Grand Rapids, read his paper on "Violet Growing in the West" and received the thanks of the society. In reply to a question he said that he prefers benches to solid beds because the former are more under control as to moisture.

E. G. Gillett, of Cincinnati; W. F. Sheridan, of New York, and W. F. Gude, of Washington, were named as a committee on final resolutions.

On motion of E. H. Cushman and P. O'Mara, the matter in the secretary's report referring to peonies was referred to the peony committee, to report.

The amendment to the constitution offered by Alex Wallace, of New York, eliminating certain unnecessary and possibly misleading words from one section was rejected.

The new section on plant registration, offered by J. K. M. L. Farquhar, of Bos-



Ribbon Display of S. S. Pennock, Philadelphia, at the Convention.



F. R. Pierson Co.'s Exhibit of *Nephrolepis Piersoni* at the Milwaukee Convention.

ton, was adopted on motion of P. O'Mara. It is as follows:

Article VI. A registration book shall be kept by the secretary, in which shall be inscribed names and descriptions of new plants, as furnished by the owners thereof, under the rules of the society. Names so inscribed shall be recognized officially as the proper and permanent titles respectively of the varieties as registered and this society shall do all in its power to prevent the subsequent application of any name thus registered to any other plant in the same special class or the distribution of plants so recorded, under any title other than the one thus given it.

On receipt of application for registration, it shall be the duty of the secretary to give public notice thereof, and if, after the lapse of three weeks from date of said application, no protest shall have been filed with the secretary, due announcement of registration shall then be made, but when there exists a permanent committee or affiliating society specially devoted to the interests of any distinct class of plants or flowers, the secretary shall on receipt of application for registration of a plant belonging in such class, refer such application to the duly constituted authorities of such committee or society, in lieu of public notice, and, upon the return of said application regularly approved by such authorities shall make public announcement accordingly. Failure to return such application to the secretary within a period of three weeks shall be construed as approval and announcement made accordingly.

Any protest under the above provisions shall be referred to a committee of three specially appointed by the president of the S. A. F. for this purpose. The committee shall act promptly and their decision shall be accepted as final.

The fee for registration shall be \$5, which shall be returned to applicant if registration is not effected, but to all members of the S. A. F. in good standing, the privileges of the department of plant registration shall be free.

Prof. L. C. Corbett, of the Department of Agriculture, told of the efforts made by him to collect accurate data as to the area of glass in the greenhouses of the United States and the meager success of an endeavor to keep track of the increase in glass and the areas devoted to special crops. He asked the co-operation of the society in his work, arguing that the information would be of large value to the whole trade. On motion of George C. Watson the president was given power to appoint a committee of three to assist Prof. Corbett.

The exhibitors put themselves on record in thanks to F. H. Holton for his efficiency and courtesy in the management of the trades display and later they presented him with a little token of further evidence of their appreciation.

In the five-minute talks which followed L. H. Foster, of Dorchester, Mass., spoke for the parcels post. He urged that the society take action in support of the movement, which he believes of incalculable importance to all of us and on motion of Mr. Watson the Postal Progress League was given the society's indorsement, upon which E. G. Hill moved the appropriation of a sum of money to enable the society to join in the movement.

The opening of the question box brought up several pertinent topics, principal among which was the matter of establishing a standard grade for plants and other stock, along the lines of the establishment some years ago of standard sizes for pots. It was recognized as a difficult proposition but after some debate a motion, offered by Hugh Wood, of Chicago, prevailed, instructing the president to appoint a committee of five to see what can be done to fix a uniform grade for plants. E. H. Cushman moved to add to this cut flowers and bulbs, and this motion also prevailed.

The judges of election reported the following as the result of the ballot for president:

Philip Breitmeyer, Detroit, 203.
C. C. Pollworth, Milwaukee, 55.
Jno. F. Cowell, Buffalo, 52.
Jno. T. Temple, Davenport, 24.

Before Mr. Esler could announce the unanimous election of Vice-President J. J. Beneke, Secretary Wm. J. Stewart and Treasurer H. B. Beatty the friends of the successful candidate came marching in with the popular Detroiters on their shoulders and the boys let loose their voices in glad acclaim. When the uproar was stilled and Mr. Breitmeyer had sufficiently recovered his breath he thanked his friends for their hearty support and pledged his best efforts to the society as an evidence of his appreciation of the honor conferred upon him.

Thursday afternoon was devoted to the shooting tournament and the closing

session of the convention came that evening when final resolutions were adopted and W. R. Beattie, of Washington, read his paper on "Substitutes for Coal," illustrating his remarks with stereopticon views of the coal and oil fields and drawings showing apparatus for burning petroleum. Mr. Beattie was followed by J. D. Carmody, who discussed one side of the florists' business in a humorous way.

The Trade Exhibition.

A detailed description of the trade exhibits, such as would be necessary to do justice to the subject, would fill many pages of this issue. The following were the eighty-three exhibitors and each one deserves much credit for his display:

Herendeen Mfg. Co., Geneva, N. Y., and Riemer & Radmer, Milwaukee, Furman boilers.

Lord & Burnham Co., Irvington-on-Hudson, N. Y., round and sectional boilers and a model of greenhouse construction.

Kroeschell Bros. Co., Chicago, boiler.

Chadborn Manufacturing Co., Newburg, N. Y., automatic ventilator.

J. A. Evans, Richmond, Ind., ventilating apparatus.

Dillon Mfg. Co., Bloomsburg, Pa., section of greenhouse roof and concrete gutter.

A. Dietsch & Co., Chicago, model of greenhouse construction.

John C. Moninger Co., Chicago, model of greenhouse construction.

Geo. M. Garland, Des Plaines, Ill., iron gutter.

Foley Mfg. Co., Chicago, model of greenhouse construction, iron gutter and ventilator lifter.

I. N. Kramer & Sons, Cedar Rapids, Ia., metal gutter and iron frame greenhouse.

Leopold Koropp, Chicago, pot hanger.
H. F. Michell Co., Philadelphia, seeds and glazing points.

A. Klokner, Milwaukee, vase holder.
C. E. Finley, Joliet, Ill., pot washer and Thistleline.

M. Rice & Co., Philadelphia, very large display of all lines of florists' supplies.

H. Bayersdorfer & Co., Philadelphia, large display of supplies in all lines.

Meehan's Sons, Philadelphia, raffia.

L. Baumann & Co., Chicago, metal and artificial funeral designs.

S. S. Pennock, Philadelphia, large display of florists' ribbons.

W. F. Kasting, Buffalo, bells and florists' supplies.

Reed & Keller, New York, large exhibit of florists' supplies.

Roseville Pottery Co., Zanesville, O., jardinières.

Dayton Paper Novelty Co., Dayton, O., paper boxes.

Schloss Bros., New York, florists' ribbons.

Sigmund Geller, New York, large display florists' supplies.

L. B. Brague, Hinsdale, Mass., ferns and decorative stock.

A. Herrmann, New York, large line of florists' supplies.

J. Stern & Co., Philadelphia, large display of florists' supplies.

Jos. Kift & Son, Philadelphia, vase holder and baby cacti.

J. G. & A. Esler, Saddle River, N. J., rubber hose.

De La Mare Ptg. & Pub. Co., New York, horticultural books.

D. B. Long, Buffalo, printed matter.

Engineering & Power Co., Jamestown, N. Y., photos of soil conveyor.

Lager & Hurrell, Summit, N. J., orchids.

E. H. Hunt, Chicago, large line of florists' supplies.

W. C. Krick, Brooklyn, letters, pot hangers and supports.

Edwards & Docker Co., Philadelphia, paper boxes.

W. J. Cowee, Berlin, N. Y., wired toothpicks.

H. J. Smith, Hinsdale, Mass., ferns and bouquet green.

H. Beaulieu, Woodhaven, N. Y., hose roller.

Thos. Collins, Hinsdale, Mass., ferns and decorative greens.

Arthur Cowee, Berlin, N. Y., gladioli.

B. Rosens, Brooklyn, bells and florists' supplies.

H. Thaden, Atlanta, Ga., wire tendrils.

F. F. Benthley & Co., Chicago, Aster Benthley's Perfection.

C. A. Olmstead, East Bloomfield, N. Y., Aster Olmstead's Commercial White.

John C. Meyer, Boston, silkline.

Ionia Pottery Co., Ionia, Mich., flower pots.

J. W. Sefton & Co., Chicago, paper boxes.

Henry A. Dreer, Philadelphia, palms, ferns, glazing points, etc.; a large exhibit.

P. J. Berckmans Co., Augusta, Ga., Biota aurea nana, palms.

R. & J. Farquhar & Co., Boston, Begonia Gloire de Lorraine.

Julius Roehrs, Rutherford, N. J., palms, pandanuses, crotons.

A. C. Oelschig, Savannah, Ga., ficus.

George Wittbold Co., Chicago, palms and ferns, including some specimen plants.

L. H. Foster, Dorchester, Mass., Nephrolepis "Anna Foster."

Geo. A. Kuhl, Pekin, Ill., fine Boston ferns, etc.

Chas. D. Ball, Holmesburg, Pa., fine exhibit of palms.

J. B. Heiss, Dayton, O., palms.

Joseph Heacock, Wyncote, Pa., Philadelphia grown palms.

Siebrecht & Son, New Rochelle, N. Y., palms, ferns, etc.; a very large exhibit.

Lemuel Ball, Philadelphia, palms, a good exhibit.

J. A. Peterson, Cincinnati, Lorraine begonias, palms and ferns.

August Jurgens, Chicago, lily of the valley.

Albert Fuchs, Chicago, palms and ferns.

Robert Craig & Son, Philadelphia, palms, pandanuses and crotons, including the new Craigii.

C. C. Pollworth Co., Milwaukee, palms, ferns, Araucaria plumosa, wire work, etc.; a large exhibit.

E. F. Winterson Co., Chicago, florists' supplies. (Seven cases of their exhibits were lost in transit.)

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y., Nephrolepis Piersoni; a very fine exhibit.

Holton & Hunkel Co., Milwaukee, palms and ferns.

W. A. Manda, South Orange, N. J., Manda's golden privet and orchids.

Mrs. R. Mauff, Denver, a nephrolepis sport.

Cushman Gladiolus Co., Sylvania, O., gladioli.

Misses Wilson, Montgomery, Ala., bulbs.

Vaughan's Seed Store, Chicago, palms and bulbs.

Clucas & Boddington, New York, bulbs.

Caldwell the Woodsman Co., Evergreen, Ala., wild smilax.

Peter Crowe, Utica, N. Y., Adiantum Croweanum.

H. W. Koerner, Milwaukee, hybrid gaillardias, centaureas and asters.

E. Hippard, Youngstown, O., catalogue of greenhouse construction.

S. Stone, Chicago, flexible steel mats.

H. C. Chessman, Richmond, Ind., adjustable pot hanger.

The Judges' Reports.

The judges, particularly in the plant class, made such favorable mention of exhibits that the reports are voluminous. The certificates and commendations were as follows:

Class A—Plants: Certificates of merit to Siebrecht & Son, Peter Crowe, J. A. Peterson, Lemuel Ball, Julius Roehrs, Robert Craig & Son, C. D. Ball, L. H. Foster, C. C. Pollworth Co., Vaughan's Seed Store, Geo. Wittbold Co., Lager & Hurrell, two to W. A. Manda and three to Henry F. Dreer for novelties. Honorable mention to Holton & Hunkel Co., Albert Fuchs, R. & J. Farquhar, Geo. A. Kuhl, Joseph Heacock and J. B. Heiss. Highly commended, P. J. Berckmans Co., A. C. Oelschig and Mrs. R. Mauff. The F. R. Pierson Co. received special mention, Nephrolepis Piersoni having last year been given a gold medal.

Class B—Cut flowers: Certificates of merit to E. H. Cushman and C. A. Olmstead. Honorable mention to Arthur Cowee.

Class C—Boilers: Certificate of merit to Kroeschell Bros. Co. Herendeen Mfg.



The Plant Display at the Milwaukee Convention, August 18 to 21, 1903.



Some of the Exhibits of Florists' Supplies at the Milwaukee Convention.

Co. highly commended. Honorable mention to Lord & Burnham Co.

Class D—Appliances: Certificates of merit to Foley Mfg. Co., Leopold Koropp and H. F. Michell Co., the latter for glazing points. Honorable mention to Lord & Burnham Co., Geo. M. Garland, C. E. Finley, H. C. Chessman, A. Dietsch & Co., Ionia Pottery Co., E. F. Winterson Co., H. Thaden, I. N. Kramer & Son, Dillon Mfg. Co., Chadborn Mfg. Co. and J. A. Evans.

Class E—Supplies: Certificate of merit and high commendation to M. Rice & Co. Certificate of merit to H. Bayersdorfer & Co. Honorable mention to Sigmund Geller, E. H. Hunt, Reed & Keller, J. Stern & Co., Jos. Kift & Son, C. C. Pollworth Co., S. S. Pennock, Roseville Pottery Co. and D. B. Long. High commendation to Schloss Bros., L. Baumann & Co., A. Klokner, E. F. Winterson Co. and Dayton Paper Novelty Co. Special mention to J. W. Sefton Co.

Class F—Bulbs: Special mention to Clucas & Boddington Co. and Vaughan's Seed Store.

The Bowling Contest.

The bowling contest was one of the warmest on record since the pastimes feature became an institution of the S. A. F. conventions. Ten cities were represented and the Olympia alleys proved in all respects admirable and adequate to the occasion. The sport began at 2 o'clock, but it was not until 11 p. m. that the last pin fell in the individual championship contest that followed the team contest. Chicago led up to the time Philadelphia came into action, and then gracefully succumbed to the inevitable. The rooting was loud and continuous and there was "something doing" every minute of the afternoon and evening. Following are the scores:

PHILADELPHIA.				
Player—	1st.	2d.	3d.	T'l.
Connor	159	160	186	505
Wates	179	182	159	520
Robinson	146	173	193	512
Kift	126	172	173	471
Delberger	137	226	196	559
Hites	124	189	156	469
Total	871	1102	1062	3035

CHICAGO.				
Player—	1st.	2d.	3d.	T'l.
G. Stollery	155	170	192	517
F. Stollery	173	153	177	503
Lambros	178	125	168	471
Asmus	179	162	177	518
Balluff	118	139	110	367
Foerster	221	170	195	586
Total	1024	919	1019	2962

BUFFALO.				
Player—	1st.	2d.	3d.	T'l.
Kasting	198	163	178	539
McClure	168	207	133	508
Webber	148	164	151	463
Scott	125	172	126	423
Wallace	147	118	163	428
Risch	144	177	157	478
Total	930	1001	908	2839

MILWAUKEE.				
Player—	1st.	2d.	3d.	T'l.
Hunkel	146	173	134	453
Edlefson	170	129	178	477
Zweifel	159	136	161	456
Kennedy	134	114	168	416
Holton	159	157	135	451
Pollworth	147	163	193	503
Total	915	872	969	2756

ST. LOUIS.				
Player—	1st.	2d.	3d.	T'l.
Beneke	148	161	166	475
Beyer	148	212	135	495
Miller	168	147	157	472
Adels	194	116	150	460
Guy	155	133	130	418
Kuehn	136	129	160	425
Total	949	898	898	2745

DENVER.				
Player—	1st.	2d.	3d.	T'l.
Mauff	161	158	190	509
Karth	133	145	113	391
Valentine	114	151	144	409
Crump	124	120	132	376
Benson	157	132	205	494
Scott	200	163	152	515
Total	889	869	936	2694

CLEVELAND.				
Player—	1st.	2d.	3d.	T'l.
Ponting	106	92	107	305
A. Graham	148	139	106	393
Eadie	147	161	154	472
Kelley	124	169	163	456
Kuntz	99	152	197	448
C. Graham	179	156	188	523
Total	803	869	915	2597

DETROIT.				
Player—	1st.	2d.	3d.	T'l.
Ferguson	117	186	134	437
Beard	127	119	138	384
Brellmeyer	179	173	146	498
Sullivan	135	159	135	429
Watson	145	116	130	391
Holznagle	163	145	148	456
Total	866	898	831	2595

NEW YORK.				
Player—	1st.	2d.	3d.	T'l.
O'Mara	168	181	124	473
Traendly	157	140	157	454
Bunyard	107	134	126	367
Guttman	97	109	85	291
Siebrecht	104	100	78	282
Lang	199	214	164	577
Total	832	878	734	2444

WASHINGTON.				
Player—	1st.	2d.	3d.	T'l.
Ernst	166	153	155	474
A. Gude	89	185	111	385
Shaeffer	107	112	146	365
W. J. Gude	133	135	127	395
Esch	100	85	176	361
Loeffler	98	109	149	356
Total	703	779	824	2336

The Mussey gold medal was for the winner in three games, the contest open to the high men on each of the teams in the big match. Jos. Foerster, of Chicago, won, defeating C. C. Pollworth by 15 pins and J. F. Wilcox by 16. It was a warm contest and the result was in doubt up to the ninth frame for Wilcox.

The ladies bowled in the forenoon, with the following score:

LADIES' GAME.			
Mrs. Peter Reinberg	122	113	235
Mrs. Kreitling	104	101	205
Mrs. Kennedy	120	55	175
Mrs. Smith	63	110	173
Mrs. Johansen	90	69	159
Mrs. F. C. Weber	69	88	157
Miss L. Meinhardt	72	84	156
Mrs. Hauswirth	78	75	153
Mrs. Reinhardt	62	84	146
Miss Rillerbuck	47	72	119
Mrs. Gerhardt	44	61	105
Miss Semler	67	74	141
Miss T. Meinhardt	32	31	63
Miss Weber	57	70	127
Mrs. Steidle	32	64	96
Mrs. Guy	49	34	83
Mrs. Meinhardt	33	72	105
Miss Klimmer	48	56	104
Mrs. Kasting	73	70	143
Mrs. Herr	41	45	86
Mrs. Zender	54	59	113
Mrs. Beneke	54	57	111
Mrs. Zweifel	42	62	104
Mrs. Hills	35	32	67
Mrs. F. Stollery	52	81	133
Miss Folsom	30	67	97
Mrs. Halliday	80	39	119
Mrs. Holton	66	39	105
Mrs. McKellar	65	44	109
Mrs. Hunkel	47	46	93

On Tuesday evening there was a meeting of the Florists' National Bowling Association and officers for the coming year were elected as follows: President, Wm. Scott, Buffalo; secretary, P. J. Hauswirth, Chicago; treasurer, J. J. Beneke, St. Louis.

PRESIDENT-ELECT BREITMEYER.

The presiding officer for the S. A. F. convention of 1904 is a native of the city in which he lives and one of the most popular representatives of the younger element in the society. Born in 1864, he received his education in the public schools of Detroit. In 1882 he went to Philadelphia to gain a knowledge of the retail flower business, in the establishment of Pennock Bros. Returning home he went into the store of his father, the late John Breitmeyer, and when he attained his twenty-first year was taken into partnership. The firm now consists of three brothers, Philip, Fred and William. They have a handsomely equipped store at Detroit and 200,000 feet of glass at Mt. Clemens. Mr. Breitmeyer is also interested in the Michigan Cut Flower Exchange, at Detroit. He was vice-president of the S. A. F. and president of the Detroit Florists' Club at the time of the successful convention in that city, in 1899.

HAIL ASSOCIATION.

There was a meeting of the directors of the Hail Association Wednesday night and the annual meeting Thursday. According to the report of Secretary J. G. Esler on August 1, 1903, the association insured 18,217,381 square feet of glass. The losses for the year were \$4,623.34, which was below the average, but at the date of making the report about fifty losses were in course of adjustment. Since then forty of these claims have been proved, amounting to \$6,300. The receipts for the year were \$13,987.23 and \$4,200 on the repayment of loans. Expenditures were \$1,741.93 for running expenses and \$5,177.50 for investment. The reserve fund amounts to \$11,142.01 and \$16,019.25 is on hand for the payment of losses. Secretary Esler will be in Chicago next week.

AMERICAN CARNATION SOCIETY.

There was a meeting of the directors of the American Carnation Society on Wednesday evening. The premium list was adopted, the principal change being the addition of a sweepstakes prize for the best vase of 100 blooms in the show at Detroit, March 2. The treasurer was given a salary of \$50 a year and will

hereafter relieve the secretary of the collection of dues. The president was instructed to appoint someone in each city where there is a show this fall to report on the exhibits in the carnation classes. At the Detroit convention in March the following papers are expected to be read: "Advisability of having Seedlings Examined Early, Mid-season and Late Before Committees Appointed for the Purpose," by William Scott; "Maintenance of Health, Energy and Vigor in Carnations," by Robert Craig; "The Management of Exhibitions," by W. N. Rudd.

NEW WATCH FOR OLD.

It is seldom that a man is robbed two days in succession, but this unique experience fell to the lot of ex-President Wm. R. Smith, of Washington, this week. Mr. Smith and Robert Craig lost their purses on the train en route to Chicago, and at the Hotel Pfister Tuesday night thieves went through their rooms, Mr. Smith losing some borrowed money and the handsome watch given him by the S. A. F., which was one of his treasured possessions. In an adjoining room were Phil Breitmeyer and Wm. Dilger, who lost watches and money. As soon as Mr. Smith's loss became known Robert Craig fathered a movement to replace it, and before the convention adjourned another watch was presented as a further evidence of the esteem in which the venerable Washingtonian is held.

EARLY IMPRESSIONS OF A GREAT CONVENTION.

Milwaukee is a decidedly northern city, and yet, strange to say, people from the crowded eastern cities, the southern states, and the warm western plains are gasping and wiping their faces for relief. We struck a hot week, but what matters. Of all the cities in the country this is the one in which irrigation of the throat, can be most pleasantly and frequently accomplished. The first session of the meeting not being called until 3 p. m. on Tuesday, allowed time for everyone to get here and be comfortably settled before business began, and, still better, it found at the opening session the immense and attractive ex-

hibit fully staged, the hall cleaned up and all in perfect order. The trade exhibit has never been surpassed, or perhaps equalled, in the history of the society. In plants, bulbs, heating and ventilating appliances, and above all, in floral supplies it is a wonderful exhibit. Never before has there been such an array of baskets, designs of many kinds, beautiful vases, and everything to tempt the eye of those looking for the new and artistic. Many of the exhibitors have brought their wares a thousand miles, showing the faith they have in the business of this and the still farther western country. I hope to have something more to say later about the individual exhibits, for it takes more than an hour or two to look them over.

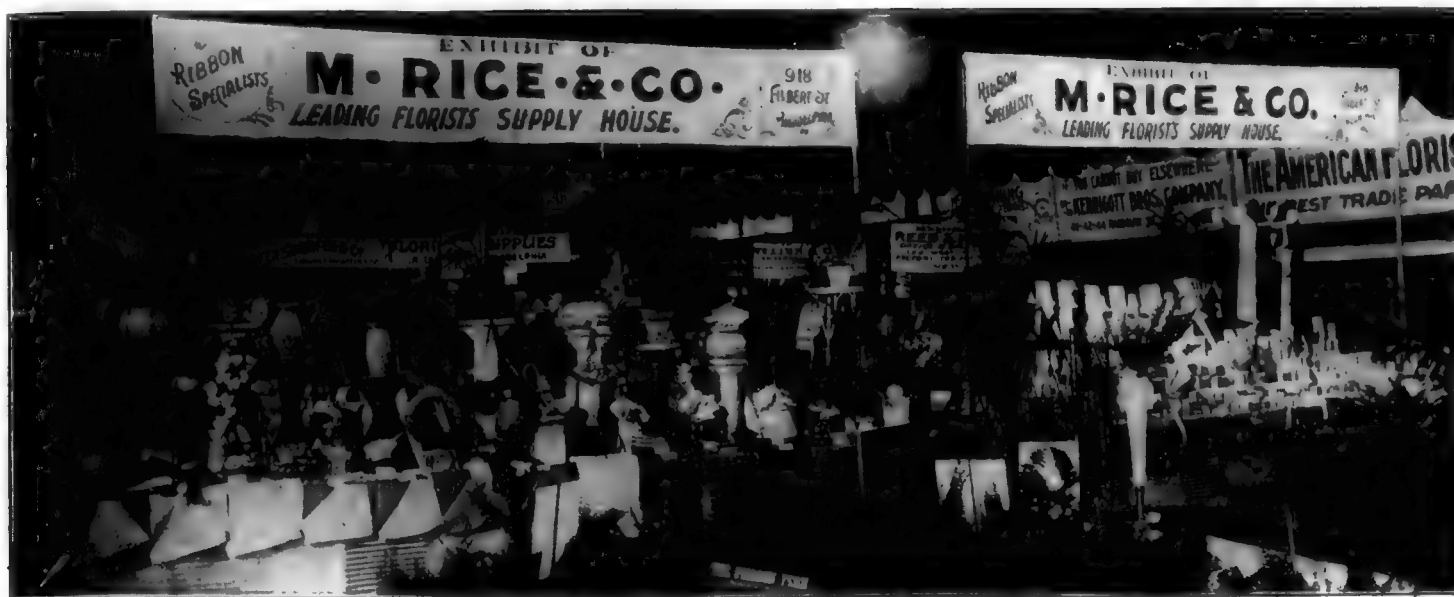
The attendance is large. How it will compare with the past I cannot say, but the section of the Exposition Building devoted to the opening session was scarcely large enough, and but for the oppressive heat it would have been much too small. Milwaukee has a mayor that I bet is a first-class chief magistrate, and combined with that he is an orator, not only eloquent but humorous withal, and his address of welcome was greatly enjoyed. His assurance that, excellent as is the police force of Milwaukee, in convention week their functions would be more in the line of officers of the Red Cross Society, was highly appreciated, and I noticed ex-President Smith, of Washington, glance significantly at several of the boys as much as to say "You may be thankful for that." It was a gem of a speech.

Ex-President Adam Graham, responded to Mayor Rose, and very happily he did it. Adam is proud of Scotland, the land of his nativity, and reminded the mayor that for the Scotchmen in attendance the article that made Milwaukee famous was not strong enough, if inclined that way at all. If a Scotchman goes to church at all, he goes three times a day, for pious reasons partly and incidentally to get his money's worth.

President Burton was given a most cordial reception when he stepped to the front to deliver his annual address. It was not lengthy but full of good sense. At its conclusion the routine business of the session began, which it is not my province to report.



Exhibit of E. H. Hunt, Chicago, at the Milwaukee Convention.



A Part of the Exhibit of M. Rice & Co., Philadelphia.

While some of the large eastern cities might have done much better in attendance, it is compensated for by splendid delegations from smaller central cities, and by just what we expected—hundreds of new members from small towns of the middle west.

We did not see that Chicago train of thirteen cars arrive with standing room only, but if the windows were open, the hot air escaping must have scorched the grass on both sides of the track.

We miss several good old familiar faces, but John Westcott is here with his bowling enthusiasm and famous brand of S. A. F. brew, and that convinces you a convention is on.

Detroit has sent a splendid delegation, and if other towns had done anything like as well, we should have to have overflow meetings.

Vice-President Pollworth is here and there and everywhere and has more than fulfilled all he promised, and does it all with a perennial smile and no worry or fuss. It is evident that the men of Milwaukee have worked hard in making this a memorable and enjoyable convention. And Mr. Holton, the superintendent of exhibits, has had a great chore on his hands and has succeeded.

Dear Baby Foley is not allowed to stand too long in one spot, as the Exposition Building has been built some years.

Phil Hauswirth is working hard to arrange the great bowling match, and what a game it will be. At least a dozen teams will compete, and sixteen fine alleys to roll on. It was considered unfair that Anton Then and Fritz Bahr should both root for Chicago, so Anton has been loaned to Buffalo, and if Billy Kasting's voice gives out he will be needed.

One of the most picturesque features of the convention is six stalwart men from far off Denver, headed by J. A. Valentine, a large six shooter in their belts, a bowie in their boots, but those are common things on the plains. Their hats are the feature—soft grey felt, three feet in diameter. I am afraid if they do not win on the alleys the Red Cross officers will have real work to do.

The President's reception was a brilliant affair and everyone enjoyed himself, renewing old and making new friends, and as I hear the band just striding up "Willie, we will miss you," I shall leave other items for next is-

sue, and in conclusion will say that when President Burton spoke of "this, our nineteenth annual meeting" it made some of us feel old. Eleven of the ex-presidents sat in a semi-circle on the stage and it was such a touching and inspiring sight that I noticed several elderly ladies in the audience wipe away a tear or something. The hall sadly needed ventilation, so no wonder we all used handkerchiefs. WILLIAM SCOTT.

MODERN METHODS IN FLORAL DECORATION.

BY ALEX. MCCONNELL, NEW YORK.

The artistic arrangement of floral decorations for best effect is an important factor and well deserving the study of the professional florist, especially the younger generation, who are ambitious to become proficient in their chosen profession.

A progressive movement in the arrangement of floral effect has been manifest to all observing admirers of the blending of color and the graceful clustering of Nature's most beautiful gifts.

The incongruous massing of flowers regardless of harmony of color, ignoring surroundings where it is desirous to produce an artistic effect, is frequently the cause of failure and disappointing results.

Church weddings of the present day, where the decorator has been given carte blanche, or a liberal remuneration for his material and artistic skill, are certainly an improvement on the decorations of auld lang syne; no reflection on the ability and refined taste of the operator of the past. Lacking the material from which to select for pleasing and beautiful effects, set designs of decapitated flowers entered largely into the arrangements. Specimens of the graceful and stately kentia with its dark, rich foliage, contrasting in color and characteristic habit, with *Areca lutescens*; the expansive foliage of *Lantana borbonica* and other natives of the tropics could not then be obtained in stately specimens as today.

One of the most important factors in church wedding embellishment is the proper grouping of the magnificent palms, elevated to the proper height, not in a conglomerated mass, but grouped to show individuality and graceful habit.

In the floral arrangements cut flowers with long stems are now, and should be, used wherever most effective. The sacred altar and chancel decorated with a tasteful profusion of white flowers and *Asparagus plumosus*; columns or arches garlanded with the same attractive green or perhaps, which is more pleasing in a large hall or church, the glossy foliage of southern smilax, introduced in the north a few years ago and now almost indispensable to the floral decorator.

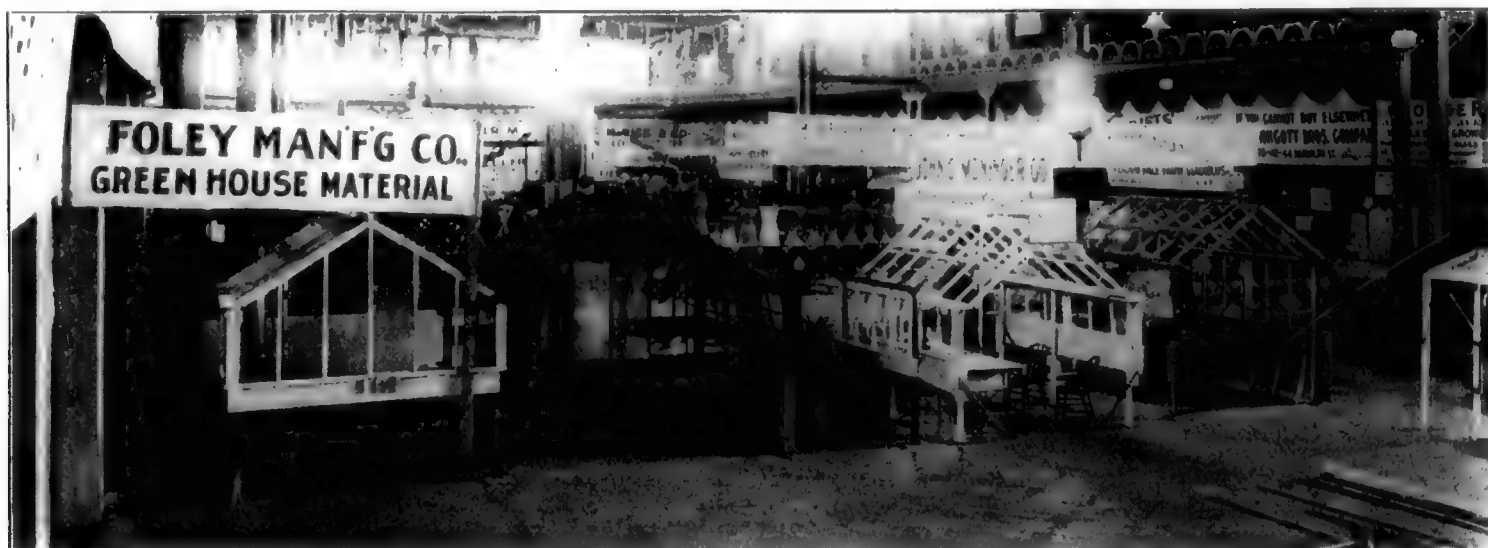
The lycopodium, or Christmas green roping, which was considered very essential in days of yore, is almost obsolete excepting for the Christmas festivities.

The decorators should ever bear in mind to obtain a successful result the treatment of the church should be as pleasing and effective on entering the holy edifice as at the altar.

The decoration of the home for the wedding festivities has been somewhat revolutionized. We seldom behold flowers contorted in such emblems as cupid's darts, bow and arrow, or balls of flowers massed in solids and suspended in some prominent place in the drawing rooms. The ancient wedding bell appears to be the only reminiscence of "Ye olden time" and its apparent fascinating influence on the fair sex justifies the belief that the old emblem may continue to ring joyfully for many moons to come.

In modern treatment of the house the same conditions may be adhered to as in the church or hall. The grouping of the plants, artistically arranged in the parlors in a selected corner, forms a bower, giving sufficient space for the performance of the wedding ceremony and for the bridal party to receive its congratulations. The wire frame in the shape of a canopy, covered with green and wired flowers, has lost its popularity and is now supplanted by the dignified palm.

The banked mantels of growing adiantum, interspersed with long-stemmed roses of one color, arranged in a loose and natural habit, are much more attractive than the ancient formal stereotyped arrangement, where so much wood and wire entered into the construction. Garlands of *Asparagus plumosus*, or smilax, entwined on mirrors and wherever effective, orchids with stems in water con-



Exhibits of the Greenhouse Builders at the Convention.

tained in small glass tubes, to prevent wilting, vases of long-stemmed cut flowers of distinct color, harmonizing with the decorations of the different rooms to be treated, are more preferable and artistic than the former everyday basket arrangement, even if the durability of the flowers were the only consideration. It is gratifying to observe there is less ribbon used in conjunction with floral decorations than formerly. While ribbon embellishment is not objectionable sometimes on floral designs, it is somewhat out of character garlanded with flowers and smilax in the drawing room decorations.

The construction or arrangement of the bridal bouquets of previous years was formal and compact. I will not reflect so far to the past as to refer to the camellia and tube-rose bouquets of thirty-five years ago, with a border of bristol board paper surmounted by an edging of silk fringe, but contrast the progress in floriculture of later years.

The introduction and growing of improved varieties of roses, orchids and novelties of every family in flora, all assist the artist in forming the beautiful and graceful bouquets of the times.

Flowers are never more admired, nor do they appeal to us more favorably in decorations of any kind than when arrayed as near as possible to Nature's handiwork.

The treatment of the residence for receptions or dinner entertainments is somewhat similar to decorations for the wedding celebration.

Illustrating the decoration for a modern festivity, we cannot do better than describe in detail one of the many which came under our own consideration.

Groups of palms arranged for best effect were relieved by cut branches of Forsythea Fortunei, Spiraea prunifolia and Pyrus japonica, forced for the occasion, loosely arranged in concealed vases of water. Mantels and mirrors were banked and treated with the same flowering shrubs, all producing a very pleasing effect. Stairways were profusely garlanded with Asparagus plumosus and forsythea, descending to the main floor, where the dining room, library, parlors and conservatory were thrown into one great dining room. The tables, which seated 300 guests, were constructed to order, the center portion built separately, six inches below the outer sides for the placing of growing orchids in pots. With tubs concealed

under the tables, the trunks coming through twelve feet apart, specimens of Dicksonia antarctica eight feet in height were utilized, their tropical and graceful fronds producing an admirable and tasteful decoration. Hidden and suspended in the fronds by flexible wires were many glass tubes of water, each containing sprays of cattleya orchids.

Growing orchids embellished the mantels, festoons of Asparagus plumosus interspersed with cattleya orchids beautified the mirrors, and the conservatory in the background, in brilliant colors of potted azaleas, sheltered, as it were, by the overhanging branches of tropical foliage, completed one of the most original and elaborate decorations of the season.

Now, as to the accomplishment of success in these "modern methods," it must be remembered that these results can be attained, so far as artistic effects and charming designs are concerned, without any expensive and elaborate process and with even limited means at one's disposal.

If one has the love of flowers and the soul of the artist within him, as every florist worthy of the name should have, the "modern methods" become a delight and the development of a satisfactory contract an easy possibility. Any intelligent florist can succeed, who gives proper thought and study to his decorative department, and realizes that therein lie the greatest opportunities for his own development and the certain growth of his business.

One must be alert, progressive, ambitious and a student to achieve lasting success in these modern days. With the growth of capital come greater demands and larger opportunities, and to fill the demands of the wealthy, originality, tact and ability to advise must be continually cultivated. There is no limitation to the growth of the taste for, and elaborateness of, floral decorations. Its future will be a giant in comparison with what has been accomplished in the past. There is no "method" of the present that does not admit of improvement, and to be "modern" we must live in the future and grow upward to its inevitable demands.

Should time permit, it would be interesting to look at another side of our subject, and that is the achievements of our time in the decorations of immense buildings, for national events, such as the inauguration of a president

or the graceful testimonies of respect and grief when a hero is buried. But this opens up a field that our limited time forbids us to enter. Again, another demonstration of floral decoration flashes across our vision, and we behold what art and nature combined to produce in the glorious floral effects at the World's Fair in Chicago. Now comes another exposition, building at St. Louis, by "modern methods," grander results than were even imagined ten short years ago, and demonstrating to all the world, as it will, that Flora is the American queen, and that in our devotion to her, and in ability to utilize her handiwork, we lead the nations.

It would be an interesting study to consider how, under efficient supervision, the modern methods will be utilized in working out the perfected accomplishments in decorative floral and horticultural achievements, that will make our glorious country in this respect, the admiration of the centuries.

MODERN GREENHOUSE CONSTRUCTION.

BY JOHN N. MAY, SUMMIT, N. J.

Why I have been chosen to talk to you on this subject is a conundrum to me. When your secretary wrote me some two months ago, asking me to prepare a paper on this subject, I told him that I was not in a position to do justice to it, as I have not any of the so-called modern houses of my own, and have not had time to investigate them properly in other places and so declined to handle it. One week ago I received another letter from him reading something like this: "I like to see your name in the program and am going to put it there, and trust to providence and you, as I have done more than once before—so fire away. Yours, Stewart."

Now the weather is a little too warm to need fire at the present time, besides I do not like the stove hole well enough to go down there to make fires; coal is also too expensive to burn it unnecessarily.

Regarding the sentence, "trust to providence," here he is off his base and the empire should declare him out; because if he had given this subject to one of the florists of that fine old city of Rhode Island you might have had an interesting and instructive paper prepared, instead of a running talk, as must always be the result of any thing written on a train going at something less or more than forty miles an hour—particularly when that train is practically full of florists out for a royal good time, with many of them, though not full in the common term, yet generally pretty merry. So under these circumstances I trust you will not be too severe in your criticisms of my shortcomings in what I may have to say about modern greenhouse construction, because this word "modern" applies to all sorts and sizes of greenhouses, ranging from one of 6x8 all the way to others 50 feet



Heating Apparatus and Material Exhibits at Milwaukee.

wide by 400 or 500 or 600 feet long, and each and all of these have their especial use and claim to modern construction.

Some are built of practically all iron, or rather steel; others a combination of iron and wood; others again nearly all wood. Which of these is the most desirable, all things considered, is yet an open question.

For the general florist, the first question in building a greenhouse to be considered is the cost, and with many, this is a very important matter, as every additional dollar expended on it means additional yearly cost in interest on the investment; for no matter how you figure it, the money put into any kind of a business should be charged with the interest yearly—whether it may be borrowed money, or ready cash on hand. This brings us face to face with the different kinds of greenhouses most desirable to build.

In deciding this point, the next question that comes up is that of durability in conjunction with first cost. If a house, say, of any given size, costing 50 per cent more when built of the most expensive materials than another built of a cheaper grade of material, but with the same quality of glass in each, if the more expensive one can be safely guaranteed to stand in good order for twice the length of time than the cheaper one will, then it would be a safe investment to adopt the higher priced one as a general rule. But this is another open question, which I, for one, would not like to venture an opinion on. Many of our younger florists will have ample opportunity to judge of this in a few years.

That there have been improvements made in modern greenhouse building within the last twenty years, no one will deny, but not all the changes made in construction can, I think, be called improvements. The adoption of much larger glass, with a corresponding lighter grade of woodwork, producing, as it does, a much brighter light in the interior of the greenhouse, is, unquestionably, an improvement in producing a better and larger quantity of cut flowers during the dull, cloudy months of winter. But, are such extra light houses any benefit for general plant culture—as a general rule, I think not.

Another point of improvement, considered so at least by many, is the size of the greenhouse. It is an undisputed fact that a large volume of air enclosed in a greenhouse can be maintained at a more even temperature much easier than a small volume can; in other words, a house, 8' 30x100 feet, can be kept at a much more even temperature than two houses each 15x100. The two having the same relative amount of glass and volume of air as the one larger one. This is an advantage, especially as the consumption of coal is less to maintain an equal heat in the large house than in the two small ones, hence the reason why some of our live florists are building much larger houses than formerly.

Some will probably ask, what is the best form or style of house to build? This is purely a matter of choice with each one contemplating building, because there are so many different forms in use, and all have their advocates, and as far as my limited observation goes, almost all of them will produce good flowers in quantity.

The system of ridge and furrow built house without any partitions, leaving a very large clear open space, or in other words, a large area covered with glass, certainly has many features to commend it.

In a little trip around among the

florists' establishments last winter, I was particularly struck with the fine, healthy growth and abundance of bloom (roses) which I saw in one such a range of greenhouses near Chicago. I considered it at the time the best I saw in my whole trip. There are also very large establishments, practically all built in this style, around Toronto, Canada.

In other sections I saw what is known as the short-span-to-the-south style of house. These never struck me as favorable, for rose growing especially. In fact, I have yet to see where any advantage is gained for any class of flowers or plants by this method of construction and it is certainly the most expensive to heat of any system I know of, having much the largest area of glass exposed to the north.

Another style of house, which is gaining in favor to a large degree, is a very wide house with equal span, each being a separate structure. These are very light and have many points of advantage over the others named above and for certain varieties of roses, such as American Beauties, they are certainly much better adapted, when the side walls are made high enough to allow the walk next to the side wall and with low benches or raised beds from the surface of even height all throughout the house.

Such very wide houses should have a double row of ventilators at the ridge and side ventilators, also to give ample circulation of air in hot weather; and as far as my observation and experience goes should have a pitch of the roof of 34 to 36 degrees; or, in other words, a fall of from 7½ to 8 inches to the foot. This applies to all and every class of greenhouse, whether large or small, for the production of cut flowers in winter.

In conclusion I would suggest that those contemplating adding new greenhouses to carefully investigate each of the different classes of buildings before deciding in every case. I think it would well repay them to see the houses several times and under different conditions of weather, to enable them to form a fair and correct opinion of which particular style of house will best suit their purpose; and remember that soil and location of the greenhouse, combined with proper management, is a very large factor in producing the best quality of flowers.

CHRYSANthemUMS.

Buds.

We are once more arriving at an important period and that is, the time for the selection of the buds. Many growers seem afraid to take what is known as the crown bud, some because they have happened at some time or other to take it too early and lost the flower altogether, and others because they are unacquainted with the bud and its possibilities. The grower for exhibition takes the crown bud on practically all the varieties. He has to take some chances by so doing, but he knows that flowers produced from crown buds are infinitely superior in size and depth to the ones produced from terminals.

Many commercial growers have an

idea that if they take buds in August the flowers will come much earlier. There may be some difference in the times of flowering between crowns and terminals but it is hardly worth considering and in fact with some varieties the terminal bud will open first. I have taken buds on Robinson, for instance, on August 21. These were of course crowns, and I have taken terminals the 12th of September and had the flower from the terminal bud cut on October 18, while the flower from the crown bud was not ready until October 23.

The flowers from the crown buds were worth more than double the price of the others, because while the later growth had been making stem and foliage the crown bud had been laying up to itself treasures of petals so that when the flowers developed the early bud had produced a flower more than twice the size of the others.

An argument against the taking of the crown bud with some growers is that the plants make a long, weak neck which is unable to hold the flower erect. This is true in some cases, but it is almost always the fault of the grower himself. When a man crowds his plants on the benches so that the growth is long-jointed and sappy, he will always get a long neck to his flowers, but if the plants are grown right, that is, given a reasonable space to develop in, with lots of ventilation so that they will make a short-jointed, hardy growth, there will be no trouble about the long, bare neck. There is a time and place for everything and while we may admire a long, graceful, swan-like neck when it is attached to a charming girl in a fashionable ball-room, we do not like to see Mrs. Robinson with a neck so weak that her head is falling over onto Colonel Appleton's shoulder when they are growing together on the greenhouse bench.

Some few varieties do have a weak stem, but they are kinds that are handled only by the exhibition grower, such as Madam Carnot, Durbin's Pride and so on, and the chief reason they fall over is because they make such enormous flowers.

Some wholesale growers catalogue varieties in what I think is a misleading manner, thus: Take first crown on such a variety. Now it may happen that a bud will be produced in June or July and this would certainly be a first crown. I have often seen buds taken too early where the grower was more or less of a novice and was interpreting the information he read literally, whereas had the

information read: Take first crown after August 15, he would not have blundered.

If a grower does not plant until very late and he wants late flowers he never takes the crown bud, but encourages the plants to keep in a soft growing condition as long as possible and every bud is rubbed off until he sees by the cluster of small buds that the plant will not make any further growth and he must use that bud. These buds of course produce flowers much later than crown buds would have done because they have been grown differently and are kept very cool and consequently mature slower and better. When crown buds and terminal buds are taken on the same batch of plants, the terminal bud will be rushed too much if the house is kept sufficiently warm for the proper development of the crown bud, which requires a night temperature of 45 to 50 degrees.

How the term of "crown" bud originated I have never been able to find out, though it is as good a name as any so long as it is generally understood. A crown bud is always known by the third or fourth growth shoots that appear around it and which, if not removed when in a very small state, soon rob the bud of its sustenance and spoil it. Where the crown bud is showing too early it is removed, and the best of these growths is retained to go on and grow along, and this in due season produces another bud, crown or terminal as the case may be.

The terminal bud is so called because it is the terminus of growth and instead of having the growth shoots clustered round it has several small buds surrounding the larger central one. This large center bud must always be kept because the plant will not make any further growth and if the bud be rubbed off as the previous ones were no others will form and the crop will be a failure. I have tried to be explicit in these remarks, showing how to tell the difference between the buds, because every year I get considerable correspondence from people on the subject which shows that there is much confusion in the lay mind as to which is which. The expert grower scans these notes on buds and perhaps wonders who in this twentieth century doesn't know a bud when he sees it, and yet many people not so well posted cannot understand the crown bud, because

the plant if left to itself grows on and on until the flower is finally produced from the terminal bud. It is just one instance where man's interference improves on nature.

The great bulk of the midseason varieties come all right from the first bud produced after the 20th of August, that is to say in these northern latitudes where the plants are grown under glass. There are some few exceptions, Colonel Appleton, for instance, not because the flower will not develop from an August crown, but because a later bud to my mind produces a much more pleasing flower, the earlier bud being so crowded with petals that the flower is rough and shapeless. The "topknot" so familiar to growers of Appleton does not appear when the later bud is used.

It used to be our practice to use a late bud for all the pinks, but varieties are changing and such varieties as Lady Harriet, Mrs. Coombes and Mrs. Barkley produce just as good colored flowers on crown as terminals with the added advantage of coming very much larger. Many of the varieties of European and Australian origin are of little use taken on any but crown buds. Nellie Pockett, which is a great favorite, is useless from the terminal, while the crown bud produces a lovely flower. The new Mrs. T. W. Pockett is much the same, this being one of the most exquisite varieties ever sent out. On all of the Australian novelties which created such a sensation last fall the buds should be secured now as early as possible.

The operation of disbudding should be done in the early morning while the young shoots are soft and brittle. Then they break off easily without injuring the tiny bud. Hold the stem close up to the bud with the one hand and pick out the shoots with the thumb and forefinger of the other. All of these shoots should be removed at the earliest possible moment so that the energies of the plant are kept concentrated directly on the bud.

Personally I always use the thumb nail, but perhaps there is no need for the average grower to do such fine work as that. Some growers leave a reserve shoot for a few days to make sure that the bud is perfect, but ordinarily there is not much need of this precaution unless grasshoppers happen to be plentiful. They de-

light to 'behead the bud or, in sportive mood, will playfully nibble away half of it and then the grower later on finds to his disgust that his flowers are coming one-sided.

As the crown bud swells it develops into a hard, husky-looking lump, that looks like making anything but a fine flower, but patience will be richly rewarded.

Some varieties, like Eaton, open up and have a cup shaped hollow in the center. With these varieties spraying overhead must be discontinued early or the water will lodge in the bud and cause it to rot, but common sense only need be exercised in their management.

BRIAN BORU.

CARNATION NOTES—WEST.

Last year I said in these notes that after you finish planting in your carnations you should pot up from 5 to 10 per cent as many plants as you benched so that you can replace those that may die out. I hope you did so last year and if you did, you likely did the same this year. No doubt you remember how unsatisfactory it was when you tried to replant a plant here and there direct from the field. They suffer just as much as the whole bench did when you first planted and to run around and dot your beds with sheets of paper every morning and replace them every few minutes on windy days is no pleasant job. After the plants are in pots from two to four weeks you plant them into the beds here and there and they will go right on growing and never wilt a leaf. Of some varieties you may not lose 1 per cent, while on others you may lose as much as 10 per cent, and after you become acquainted with the varieties you will be able to tell pretty nearly what you are likely to need to replant. Of course it will depend as much on the soil and the handling in general, but you will know which varieties transplant easily and which ones usually suffer a great deal.

This has been almost an ideal carnation season with us. The nights have been cool and the days only moderately warm. After a rather too dry May we had a moist June which caused the young plants to make a good, strong growth. July was rather dry again, which caused the growth to mature well and all during planting time it remained rather dry and the plants grew slowly and kept in good transplanting condition up to the present date. We had practically finished planting by the 10th and never before have our plants taken hold so quickly and so uniformly. Here and there a plant is gone, but I can safely say that not 1 per cent has gone wrong. Those planted first are beginning to shoot up now and looking over the beds you can see quite a few buds almost ready to open and unless the plants happen to be undersized we will let them come, as there is sale for them even now.

All the shade has been washed from the glass over these and all the air possible is given them to encourage a strong, sturdy growth. As the roots strike out they will enjoy a more liberal supply of water and in fact you can water the whole bed from now on.

About this time it is a good idea to stir a light coat of lime or wood ashes into the soil to help keep it sweet, and



Convention Exhibit of L. Baumann & Co., Chicago.



Convention Exhibit of E. F. Winterson Co., Chicago.

in a week or two a thin mulch of half rotted manure will help that first crop of flower shoots to get a start, besides preventing rapid drying out of the soil. We aim to water the plants well in the morning, according to the state of moisture the soil may be in and right after noon on warm days we damp down the walks and syringe lightly overhead and of course water what dry spots there may be. On cloudy days the morning watering usually suffices. From this time on you handle them just as near like you do in winter as circumstances will allow.

Regular fumigating should commence in the houses that have been planted four weeks or more even if you do not see any greenfly. You don't want to wait until they begin to carry away the plants before you begin to fight them, but you should never let them get a foothold on your place. There are other greenhouse pests that will likely bother you, but I will make them the subjects of my notes in the near future.

I do not see anything in the argument Mr. Lambert is putting up in defense of his article on watering carnations in the field in a recent issue of the REVIEW. Now he says he waters when water is needed, though he does not say what condition the plants should be in when the water is needed, but from the tone of his remarks one would judge that it was done only when the plants become very dry and are really suffering for water. That is correct and I have never so much as hinted that in such cases watering should not be resorted to, but I have always said and I say it again that such cases are extremely rare if cultivating is properly done.

In his first article Mr. Lambert said that he watered his carnations outside just as he watered them in the house, when water was needed, which would lead any one to believe after reading his remarks about cultivating that he watered regularly like you would an aster bed or some other blooming crop. That is the kind of watering I object to. I say that as long as you can touch moist soil with the teeth of the cultivator you need not water even while the plants are making their growth and later on about planting time they can get

drier than that. We have gone through rainless spells of from four to six weeks without any serious harm, but they are extremely rare. Of course a sandy soil that dries out rapidly will not stand a long spell like that without burning up the plants. I claim that a moderately dry summer will produce better (not larger) plants than even a moderately wet season. Mr. Lambert says he cannot find where he says that frequent watering or excessive rains do not cause stem-rot. Here are his words, can you make anything else out of them? "Believing as I do that stem-rot arises from the composition of the soil and conditions of the fertilizers used and not from moisture, I have always watered my field carnations as I water them in the houses, etc." Mr. Lambert ignored the fact that stem-rot is caused by a fungus and that that fungus is very apt to be present wherever there is decaying vegetable matter, and that while it is kept dry it remains in a dormant state and that moisture will cause it to become active. The fact that he uses very little or no stable manure is one reason why he has no trouble with stem-rot; possibly there are other reasons.

His argument that cultivation will not produce moisture is very weak. Of course it does not produce water, but I claim that in nine summers out of every ten there is enough rainfall to grow good carnation plants if you will manage so that the plants can have the use of what water falls. This can be done by frequent cultivating or mulching, the former being the most practical in the field. I should like to see Mr. Lambert take a part of his carnation patch another year and cultivate it every week at least once and water only when the soil dries out deep enough so he can not turn up moist soil with his cultivator, and see if he does not have a finer lot of carnation plants six weeks after planting them in the house than the ones he watered all summer. The proof in the pudding is in the eating thereof.

A. F. J. BAUR.

TORONTO, ONT.—J. H. Dunlop will grow "green goods" extensively next season, putting up houses especially for the purpose.

ROSES.

Seasonable Hints.

The cold damp nights which have prevailed during August and which remind us of late September weather, are already showing their effects by the appearance of black spot and mildew.

Where the place is of such dimensions as to warrant the keeping of a night watchman these conditions need give us little or no trouble. He can by keeping an eye on the outside temperature so regulate the ventilation that no sudden change of temperature inside may occur. But in the thousands of places where the extent of glass is below 30,000 feet, and where the space occupied by roses may not be even the half of that, keeping a night man during the summer months appears in most cases too big a drain on the prospective profits to be safely indulged in, and the ingenuity and skill required in overcoming these unfavorable conditions at small cost, will be the cause of many anxious hours.

Black spot is usually engendered by some condition which causes a sudden check to root action, thus lowering the vitality of the plants, such as overwatering during cold, damp weather, when evaporation is slow, and which from now on must be carefully guarded against.

On the first appearance of spot the soil in the benches should be allowed to become moderately dry, and all affected leaves carefully picked off and burned, giving plenty of ventilation even at the expense of a little firing, if the evenings are cold, and particularly if accompanied by rain. Any temperature under 56 degrees should be considered cold, for this is the case where "a stitch in time saves nine," for if not suppressed in its initial stage it soon works sad havoc among the as yet tender foliage of Beauty and Liberty, and in bad cases extending even to Kaiserin. When these methods are put in force early enough and persisted in, the disease will usually give little trouble.

Where the disease has a good headway and is so severe that picking off the affected leaves would leave the plants

nearly bare of foliage a spraying once a week with the following mixture will stop it from spreading and if persisted in will ultimately overcome it: Carbonate of copper, 5 ounces; ammonia, 3 quarts, and 60 gallons of water, using a nozzle that will make a fine spray. Every part of the leaf should be washed.

If firing has to be resorted to thus early in the season care will be needed not to get the foliage too soft, a condition which is easily acquired, but from which it is difficult to get extricated before the winter begins. This can be obviated by careful watering and ample but judicious ventilation. When necessary to fire up every advantage should be taken of the opportunity to have the pipes painted with the sulphur mixture to hold mildew in check.

I may here take notice of a practice much in vogue among the less experienced growers, viz., that of shutting down for the night at quitting time. This has often the effect of causing the temperature to take a sudden jump of 8 or 10 degrees. This is a practice which ought to be abandoned at once, as it makes the foliage of a soft and flabby nature, ill suiting them to withstand the vicissitudes of forcing. A little extra time devoted to gradually reducing the ventilation till after sundown will be well repaid.

Mr. Scott's advice anent summer firing in his last week's notes are timely and to the point. I entirely agree with him regarding the September crop of mildew and think the grower who welcomes such a visitant must hold a unique position among rosarians.

A few years ago a firm noted as Beauty growers, but whose houses were so situated that the conditions during September invariably induced a crop of black spot, put out a statement in one of our contemporaries that they rather liked this visitor, as it helped to thin out the too dense foliage. I noticed, however, that within the year they went to considerable trouble and expense to overcome these unsatisfactory conditions.

When the foliage is so dense as to exclude the sun's rays from the surface of the bench it is a good plan to remove some of it; but I would rather have it done under my personal direction than leave the selection to Mr. Blackspot, whose questionable industry is frequently difficult to curb.

Such unqualified statements emanating from growers of undoubted skill and ability are dangerous and apt to lead the less experienced into perilous paths.

RIBES.

KANSAS CITY.

Stock has improved wonderfully the last few days; cool weather for us has been the cause. The store men all seem to be busy with funeral work, and the greenhouse men are all busy planting their last carnations from their fields. All stock is looking good.

A. Barbe, Arthur Newell and Geo. M. Kellogg are off to Milwaukee.

Ed. A. Tonquest, Miss Dailey's right hand man, has returned from a two weeks' fishing trip up in the Minnesota wilds.

Will Wade, of W. L. Rock's, spent two weeks down at his old home and is looking much better. T. M. S.

HOLYOKE, MASS.—E. D. Shaw has sold out to Miss Georgia Humphreys, who has been in his employ for several years.



The New Store Building of Siebrecht & Son, Fifth Avenue, New York.

NEW YORK.

All Aboard for the Convention.

There were nearly 100 happy excursionists at the West Shore rendezvous Sunday afternoon, as we predicted, but not nearly so near 100 as there should have been by a large majority. In other words, when the noses were all counted—and many of the noses shone with the healthful tan acquired at mountain and seaside resorts—it was found that the total number of "souls" present did not quite reach the figures of last year, much to our wonderment and regret. However, a goodly number started for Milwaukee at earlier dates and by other routes, so that the "contingent" when reckoned collectively at the "Cream City" will not be so discreditable after all. The day was ideal for traveling—cool and cloudy—and the comfort of all amply provided for by the West Shore's chaperon, Mr. Louis Haffner, while for the "inner" man and woman, Mr. Walter Sheridan had thoughtfully gathered some of the best the market affords in liquid exhilaration, the good effects of which manifested themselves far into the night. It was a very happy and harmonious family that filled the Pullmans reserved for the New York Florists' Club, and as the journey progressed its numbers increased until the company was completed by the addition of the massive delegation from Boston and the beneficent Peter Crowe, of Utica. I say "massive" advisedly, for Fred Mathison was one of "the old guard" and his charming personality outbalances that of two "ordinary" men.

We missed the pleasant interludes that characterized our trip last year to Asheville. There was no Philadelphia fraternizing, no banquet at Washington, no "angels feet," the novelty of new territory was lacking. All of us had sailed the classic Hudson, had looked upon the glorious mountains, and revelled in the

exhilarating ozone of the Catskills many a time before. So we concentrated our magnetisms and proceeded to become "better acquainted." It was a gathering always observant of the proprieties and never forgetful of the day. But after the hour of midnight a few lovers of "revelry" indulged in the harmless pastimes of bridge whist and hearts, and other and similar orthodox amusements, while the majority slept "the sleep of the just" and arose refreshed amid the quiet and purity of Canadian environments. At Kingston, Captain Lang, of the bowling team, joined us, fresh from his mountain farm, and laden with fruit from his "own vine and fig trees." We picked up a good sized fellow at Kingston, Mr. Burgevin, and later on the "Bostonese." Our train was a little late at Detroit, so that the boys who came to the station to greet us were disappointed and our stay was brief.

The perfect weather we find as we journey westward insures a great attendance from towns and cities adjacent to Milwaukee. It seems a pity we could not have gathered in the Buffalo and Detroit hosts, but it was not to be. Each city was ambitious to have a "special" and doubtless both have sent delegations quite equal in size to our own. The ladies who accompanied us were not numerous, but their quality was unsurpassed. Chatterton Warburton added glory to his halo by chaperoning Mrs. Fernley, of Fall River, and his nieces, the Misses Halford, of Lawrence, Mass. The young ladies sang sweetly and won all hearts by their musical contributions. Mr. Oelschig, of Savannah, Ga., was our only "addenda" from the sunny south. Father Smith, of Washington, was among those welcomed at Rotterdam Junction. Everybody was glad to see "the old man eloquent." Boston seemed a little lopsided without Warren Ewell. John N. May was back from his outing in much improved health and was reminiscent in memories of English experiences of the long ago. C. W. Ward and Henry Siebrecht were among the missing.

Those who made up the New York regiment follow:

Patrick O'Mara, Miss O'Mara, E. Schloss, Walter F. Sheridan, H. Bunyard, J. B. Nugent, Alex. Guttman, M. Craw, Emil Steffens, Theo. Lang and J. A. Shaw, of New York; Julius Kretchmar, H. G. Kretchmar, Miss Kretchmar, A. H. Langjahr, Alex. Wallace, Frank Traendly and W. C. Krick, of Brooklyn; W. H. Siebrecht and sons, of Astoria; Julius Roehrs, Jr., of Rutherford, N. J.; A. T. De La Mare, Oradell, N. J.; John N. May, Summit, N. J.; C. Warburton and three ladies, of Fall River, Mass.; W. B. Du Rie, Rahway, N. J.; G. Burgevin, Kingston, N. Y.; Albert Gaedeke, Perth, Scotland; J. F. Wood and Miss Wood, Providence, R. I.; A. D. Carpenter and Mrs. Carpenter, of Cohoes, N. Y.; W. R. Smith, Washington, D. C.; Victor David, Jr., Woodside, N. Y.; C. Lenker, Freeport, L. I.; Peter Crowe, Utica, N. Y.; F. R. Mathison, P. Welch, J. K. Farquhar and W. J. Stewart, of Boston, Mass.

Various Notes.

President Troy, of the New York Florists' Club, has returned from Europe, after a very enjoyable and profitable trip, and August Rhotert has just departed for the same territory. Mansfield is home from his summer refreshment at Mt. Pleasant, N. J.

Emil Steffens goes to Lake Placid in the Adirondacks next week for a two weeks' deer hunting and trout fishing.

W. C. Krick, of Brooklyn, met with a painful accident last week through the idiotic error of a druggist, who gave him carbolic acid for chloroform liniment which laid him on the shelf for repairs. It was a close call and the application has left its mark for life.

Mr. Rossow, of Thomas Young, Jr.'s, has returned from the Thousand Islands with some weird stories of their fascinations.

Mr. Ward returned last Friday from New Hampshire, much improved in health.

Mr. Plumb was in the city Saturday, after a severe illness of a week's duration, and seems to be himself again. He is cutting 1,500 to 2,000 Brides and Maids daily at his new place in Madison, N. J., his stock being handled by Mr. John Young. Mr. Young reports a marked scarcity in orchids and a constant demand beyond the market supply.

Mr. Ghormley has returned from the Islands and is about ready for the great violet season, which is fast approaching.

The Cut Flower Exchange has leased its present quarters in the Coogan building for six years.

Thomas Young, Jr., had the decorations at Archbishop Farley's reception at the Catholic Club last week, red gladioli and Hydrangea paniculata being lavishly used.

The yacht races began on Thursday. They are expected to exert some influence in "lifting" the market and some speculative florists think they will also lift the cup.

Mr. George Saltford returned from the Adirondacks on Saturday, greatly improved.

John F. Sharkey, of Thomas Young, Jr.'s, and wife have returned from their holiday season, and Miss Ramsey, book-keeper and stenographer of the same house, goes the last of the month for her outing to Atlantic City.

Charles Kerser, head salesman for Herman Kuhn, of Sixth avenue, was married on Saturday and has gone to Sea Cliff for his honeymoon.

On June 24 Arthur Hunt, of Mr. Young's wholesale department, and Miss Annie Johnson were married and spent their holiday in the Catskills.

Bonnot Bros., are receiving some fine roses daily from their place at Flemington, N. J., where 15,000 square feet of the establishment is entirely devoted to rose growing.

Mr. Reed, of Reed & Keller, left last Thursday for Milwaukee to preside at the installment of their trade exhibit, among which will be found eight patented articles of their own invention for florists. They have a fine display of glassware also.

Mackintosh, who saved a fellow from drowning last year, is now credited with five rescues this season. This ought to make business good this winter.

J. A. McConnell, of the Cut Flower Company has had a delightful holiday on board his uncle Alex. McConnell's beautiful yacht, the "Eleanor."

William Sampson has been handling a superb lot of Kaiserins lately from one of his Nyack growers, realizing top prices. Mr. Sampson had a severe experience with a sandbagger a week ago that nearly ended his rose selling. He was knocked unconscious; the doctor took eleven stitches in the wound, and altogether it was a close call for William that will make caution a virtue hereafter.

Arthur T. Rogers, with Ernst Asmus, goes to Belmar, N. J., for his holidays this week.

Percey W. Richters, manager for Mr. Asmus, and Miss Florence Pollard, of Elizabeth, N. J., were married July 22 and spent ten days of their honeymoon in Maine.

James McManus, the wholesaler of West Twenty-ninth street, has made extensive arrangements and preparations for the handling of orchids this fall and winter and anticipates the greatest success of his career during the coming season. If close attention to business and to the interests of his patrons warrants such results, he certainly deserves them.

J. AUSTIN SHAW.

ST. LOUIS.

The Market.

The trade in cut flowers has not improved much since last reports, but the quality of the stock has, and the wholesale houses are better supplied with good roses from young plants than they have been for some time back. Bride and Bridesmaid are much better and so are Perle, Kaiserin and Meteor are good in color and foliage. Some good Carnot, from Belle Miller, Springfield, Ill., are in the market. The best roses bring \$6 and from that down to \$1 per 100. Beauty are also much better than they have been.

Good carnations are very scarce and the few that come in are small and short and not of much use for any kind of work. Asters are not good this year, although quite plentiful. Good whites are selling as high at \$1.50 to \$2, but the bulk of them are sold at \$1 per 100. Gladioli are still very plentiful, but meet with very little sale and are sold as low at \$2 per 100 stalks. Single tuberoses stalks are fine, with quite a de-

mand at \$5 per 100 stalks. Other outdoor stock has very little call. The fine lily of the valley that comes to this market has not much of a demand at present. Smilax is very good, with fair demand. Other greens, such as adiantum, asparagus, galax and fancy ferns are selling well.

Florists' Club Meeting.

The August meeting of the Florists' Club, held August 13 at Brother Jablonsky's place, was largely attended and the members are loud in their praise of the manner in which they were entertained by Mr. Jablonsky and his family. The very hard rain in the morning did not seem to have much effect on the attendance, which numbered nearly thirty. On arriving at Suburban Park Mr. Jablonsky was in waiting and escorted the members to his place a block away. After inspecting his place, which was found in first-class shape, well kept and clean, the meeting was opened by President Dunford with all the officers present.

The transportation committee made its final report, stating that about forty would make the trip to Milwaukee. The committee was continued until next meeting. The entertainment committee reported that out of the fund of \$101.50 the committee spent \$97.50, leaving a balance fund of \$4.

The communication from W. J. Stewart, secretary of the S. A. F., was read and filed. The following florists were elected to membership: George R. Frow, H. G. Ude, F. W. Ude, Jr., Arthur Furber and Joseph Hauser. Frank K. Balthis, of Shaw's Garden, made application for membership. The election of officers then took place. For president J. J. Beneke was elected without opposition. William Winter received the largest number of votes for vice-president and was declared elected. For secretary Emil Schray was elected, and for treasurer, Otto G. Koenig, both being by unanimous vote. The most spirited contest was for the office of three trustees. There were six nominees. After counting the ballots it was found that J. F. Ammann, Dr. A. S. Halsted and J. W. Dunford received the largest number of votes and were declared elected.

A committee was appointed to draw up resolutions on the death of our late member, Theo. Richter. The committee is composed of H. W. Ude, E. W. Guy and J. F. Ammann. The committee appointed to invite the S. A. F. to hold its next meeting in St. Louis in 1904 is composed of J. F. Ammann, R. F. Tesson and Alex. S. Halsted. The treasurer's report showed a balance of \$55.20 on hand. The secretary's report showed an increase of membership during the year. The average attendance was fifteen. The club has fifty-seven members, fifty-three active and four honorary.

The question box is becoming quite a lively feature at our meetings and again there was a lively discussion over several important questions, after which the meeting adjourned.

Mr. Jablonsky invited all the members to an elegant lunch, which was spread on the lawn under the trees in front of the house. Mrs. Jablonsky, assisted by Mrs. Steidle and several other ladies, simply couldn't do enough for us in the way of supplying us with anything we wanted to eat, drink or smoke. The August meeting will long be remembered

by those who attended, and those who didn't will surely regret it after they hear what a good time we had.

The next meeting of the club will be held in Edwardsville, Ill., at Brother Ammann's fine place, on September 10. At this meeting the installation of officers will take place and we hope for a large attendance to greet the new officers as they take their seats.

Visitors in Town.

B. Eschner, of M. Rice & Co., Philadelphia, is in town on his way to Milwaukee. Henry T. Moon, of the W. H. Moon Co., of Morrisville, Pa., is looking up space at the World's Fair grounds. A. S. Halstedt, E. W. Guy and Adolph Fehr, of Belleville, Ill., J. F. Ammann, of Edwardsville, Ill., F. W. Ude and William Winter, of Kirkwood, Mo., were in town to attend the club meeting.

St. Louis to Milwaukee.

The St. Louis delegation left here on Sunday night at 9:05 via Wabash and arrived in Chicago on Monday morning at 7:30. In this party were the following florists: Mr. and Mrs. Chas. Juengel, Mr. and Mrs. John Steidle, Mr. and Mrs. F. J. Meinhardt and sisters, Mr. and Mrs. J. J. Beneke, Mr. and Mrs. Max Herzog, George Waldbart, John Connon, C. A. Kuehn, Theo. Miller, F. M. Ellis, J. F. Ammann, Mr. and Mrs. E. W. Guy, R. F. Tesson, Wm. Adels, Otto G. Koenig, Emil Schray, Mr. and Mrs. Kruse, Vincent Gorley and Adolph Fehr. The following party went by the Illinois Central R. R.: A. S. Halstedt, Mr. and Mrs. Henry Berning, Mr. and Mrs. F. C. Weber, Misses Adel and Dora Weber. The whole St. Louis delegation spent Monday in Chicago and left Tuesday morning for Milwaukee. J. J. B.

PROVIDENCE, R. I.

The Market.

Business, of course, is very dull; it always is at this season, and there will not be much stir until about Thanksgiving. There will be some business before, but not any great amount, and with the chrysanthemum glut coming, there will be lots of hard work and not much profit for some time to come.

We have had a very cool and quite wet summer. Outdoor flowers are fine and the early fall flowers blooming earlier by three weeks than usual. Good roses are quite scarce, also pinks at present. Asters are abundant and good. Sweet peas have been knocked out by too much rain. Reports from the growers are encouraging for a good supply of everything for fall and winter.

Various Notes.

G. O. Westcott died quite suddenly August 8, aged 72 years.
W. B. Hazard is forced to move again on account of the building coming down. However, he remains in the same block.
M. Macnair & Sons have been remodeling their store with new fixtures, etc., also an alteration sale in progress.
T. F. Keller has returned after a month's rest at the seashore.
A. M. Rennie, of Rennie & Pino, seedsmen, is expected home from Europe soon, after two months abroad.
S. J. Reuter, of Westerly, R. I., was in town the past week. He is very busy building a large new stable and boiler

house, besides remodeling and adding several new houses to his already large plant.

The J. A. Budlong & Sons Co. has added one new house, 58x350 feet, also changed over four large vegetable houses, all to grow carnations, of which they will grow about 75,000 this season, with three 700-foot houses in roses. They will market in Providence and Boston and probably some in New York.
J. F. Wood and wife and Robt. Greene, of Warwick, are about all that are going to the convention from here.
F. J. Sullivan is building a new glass front at his greenhouses.
T. O'Connor is building a large boiler-house. R. I.

CHICAGO.

The Market.

There has been very little going on in a business way this week. For some little time the local retailers have been complaining that trade was not up to last summer and in the last few days shipping requirements have not been as heavy as the wholesalers think they should be. The call is usually for a few Beauties, Liberties or Meteors, all scarce items, but good Brides and Maids are salable at good figures, 6 cents being paid for some of the best stuff cut from old plants. The cut from young stock is steadily improving but is not yet large. Indoor carnations are pretty well over but outdoor stock, short-stemmed, is plentiful. Asters are in heavy supply, but the quality of most of the receipts is away below par. The low grade stuff is hard to sell at any price but special, long-stemmed stock with good flowers sells all the way from \$2 to \$3 and is in good demand. White is scarce. The auratum season is nearing its end, some growers being already out, but there is still plenty of stock. There are some fine gladioli and good dahlias are at hand, but not selling any too well.

Various Notes.

Chas. Erickson is still cutting some very fine Brides and Maids, not having as yet thrown out his old stock. He is going into carnations exclusively next year.
E. C. Amling says that the supply of Asparagus plumosus strings was probably four times as large the past season as the one before. The demand shows a steady increase and he is looking for good business on this specialty this fall and winter.
A. Lange and family returned August 13 from a couple of weeks at Mt. Clemens.
The Foley Mfg. Co. is getting out a new and powerful ventilator lifter and a new shaft hanger.
The florists have been taking active part in the West Madison street fair. In the wagon parade C. Frauenfelder, H. N. Bruns and Mrs. E. Anderson each had finely decorated turn-outs.
Frank Garland had a deformed auratum stem the other day bearing twenty-four flowers.
A new front is being put in Walter Kreitling's store during the repairs on the structure, ordered by the city.
E. S. Thompson, South Haven, Mich., is exhibiting good gladioli at Randall's, Park Belle and seedlings.
The express service in and out of Chicago is threatened with a strike of the office and depot employes of the com-

panies, who say they will go out unless granted higher pay and shorter hours.

A. L. Randall has been over from his Michigan farm, called by the ill health of Mrs. Randall.
L. Lockyear, of Frank Garland's, has been on the sick list.
Robert Northam has been helping out at Deamud's while Alex. Newett was away on vacation.
Wm. Kyle, of Kennicott's, has been at Kalamazoo, visiting his father, M. F. Kyle, with the Dunkley Floral Co.
Frank Garland is building two cottages for the help at Des Plaines.
Among the visitors last week, on business or pleasure bent, were Hans Tobler, of the Northern Michigan Asylum, Traverse City, Mich.; N. H. Youngberg, Lindsborg, Kan.; H. D. Caldwell, Danville, Ill. This week the town has been full of convention visitors.

On Monday evening St. Louis and Chicago had the bout at bowling which invariably takes place whenever the representatives of either city visit the other. Chicago won three straight. Following is the score:

St. Louis.	1st.	2d.	3d.
J. J. Beneke	133	173	177
Theo. Miller	99	125	129
E. W. Guy	159	183	182
Chas. Beyer	171	167	163
Will Adels	127	156	151
C. A. Kuehn	144	187	185
Totals	833	941	987
Chicago.	1st.	2d.	3d.
G. Stollery	180	149	195
F. Stollery	177	145	170
P. J. Hauswirth	150	180	148
Geo. Asmus	180	153	167
E. F. Winterson	143	157	151
Jos. Foerster	168	197	212
Totals	998	981	1,048

PITTSBURG.

The Market.

With such fine weather we, who must stay at home, have nothing much to complain of.
Business is still very slow, although some of the stores last week had a bunch of funeral work. T. M. Ulam & Co. seemed to have a little the best of it in that line.
The glut of asters and gladioli is still with us; the wholesale house is crowded with stock all the time.
The Pittsburgh Cut Flower Co. is getting in some very nice Maids, Brides and Liberties for this time of the year.

Notes.

Last week the common salutation was "Are you going to Milwaukee?" and it evidently had some effect, as there was a delegation of eighteen left Pittsburgh Sunday at 6 p. m., to arrive at Milwaukee at 7 a. m. Tuesday. The route is P. R. R. lines to Cleveland; Cleveland to Detroit by boat; Detroit to Grand Haven by rail; Grand Haven to Milwaukee by boat; fare \$17 for the round trip. This will be much more pleasant than going straight through by rail.
J. F. Gibbs, of Allegheny market, has closed his stand for the summer and his daughter, who manages his business there for him, is traveling and enjoying herself until business starts in the fall.
John Baldinger is rusticiating at Avalon and fishing on the dam. He says, "It is good fishing, but poor catching."
Abraham Hostetter, of Manheim, Pa., was one of our visitors this week on his way to Iowa; but he expected to get to the convention.
The genial Ringier, of Barnard & Co., Chicago, was in town this week, having

returned from Bermuda. Look out for him or he will sell you something.

And then we saw quiet Martin, Bayersdorfer & Co.'s representative, with his big cigar and his quiet "That reminds me," and then you know!

Albert Herr, of Lancaster, was seen here today on his way to the convention. Hoo-Hoo.

CINCINNATI.

The Market.

Still another week of fine, moderate summer weather, and now it looks very much as if this season would pass without any sultry weather at all. There has been very little rain, but owing to the moderate temperature, flower beds and outdoor stock in general, are in very good condition.

Business is rather quiet. The demand is very light and white flowers are about all for which there is any call. Shipping trade is very good for the season and this helps out a great deal.

The supply of nearly all varieties of stock still remains quite good. Roses, especially short-stemmed ones, are in large supply. White and light pink sell well, but Maids are a drug. Good long-stemmed roses are few and sell out quickly. There is quite a demand for American Beauties, but the supply is very limited.

B. P. Critchell is cutting some of the finest Brides and Maids that are coming into this market. They are long-stemmed, with clean foliage and good sized, well-colored buds. They sell quickly and at top prices.

Carnations are still very scarce and poor in quality. As might be expected, there is a large demand for them and notwithstanding their looks, they go at good figures. Some of the pink ones are good and bring 2 cents readily.

The supply of asters is diminishing very rapidly. The early varieties are very nearly cut out and Semple's Branching are not yet ready to cut.

There are a good many tuberose and they sell well. Gladioli also find a ready market. Some first-class spikes are being handled. There is a limited supply of lily of the valley which is of very good quality. Water lilies are seen now and then, but there is not much sale for them, except for show window purposes.

There is plenty of greens of all description and it sells fairly well.

Notes.

There was a fine display of plants and flowers at the Cartridge Fair last week. J. T. Conger, of Sunnyside greenhouses, Hartwell, Ohio, capturing most of the prizes.

Fred Gear and family have returned from their summer outing and say they had a fine time.

Geo. Tromey, who is with Fred Gear, is treating his friends to 10-cent cigars. It's a little girl and George is receiving the congratulations of his friends.

The Cincinnati party left for Milwaukee, Monday evening, numbering about sixteen. All were in the best of spirits and anticipated a most enjoyable trip. With the Cincinnati party were many other florists who joined them here. Among them were: Mr. and Miss Deake, of Asheville; Miss White, of Lexington, Ky.; Messrs. Papworth, Valdejo and others, from New Orleans.

C. S. Ford, of Philadelphia, Pa., was a caller. C. J. OHMER.

TORONTO.

The Market.

Although business was very slow during the first few days of the month, it now appears to be picking up and the cool weather has had its beneficial effect upon stock generally. It is the general comment on all sides that, with the exception of a few warm days, we have had a very cool summer. This seems to have helped everything, with the exception of Meteor, which is inclined to come very dark in color where no fire heat is being used. Many small weddings have made considerable demand for pink and white roses, while the demand for table cut flowers has kept up well.

Notes.

Toronto is at present making special preparations for the great Dominion Exhibition which is to be held here during the first two weeks in September. This should be especially interesting to the horticultural trade, as the C. H. A. meets during the first week and a special trade exhibit is to be put up at the exhibition. We hope to see many of our American friends with us at that time and can promise them a "Milwaukee" time.

Sinclair's commission house received the first shipment the other day of carnation blooms off young stock. They came from C. Turp, of this city, and consisted of Lawson and other leading varieties, cut off indoor grown stock.

For early mums, we believe that R. Jennings, of Brampton, leads, as he cut his first this week.

Charles Tidy returned from a month's fishing trip and reports lots of bites, but refrains from making any more definite statement.

S. MacFadden, foreman for S. Tidy & Son, is on a two weeks' vacation.

D. J.

MONTREAL.

There is no improvement in the trade, yet enough is done to keep us alive. The weather, dull so far, seems to be clearing up a bit. Cut flowers are scarce all around, excepting outdoor ones. Fine asters are seen in some localities.

The members of the club at their last meeting received with pleasure, a written invitation from T. Manton, president of the C. H. A., to attend the convention at Toronto, September 2. Many of the boys have signified their intention to attend.

The prospects for our chrysanthemum show are all right so far, and prizes are promised to be paid in full. Any variety not yet disseminated is eagerly sought for. Mums are making great growths; some new varieties are promising well. A new white delphinium has been raised here by H. Drennan.

A. T. Copperthwaite, of Outremont, is now a member of our club, being duly elected at the last meeting.

William Hazel is on his third honeymoon. He is well pleased with the thanks of the club for his zealous work in behalf of our picnic.

P. McKenna & Son have torn down all their old houses and barns and opened their store at the corner of Guy and St. Catherine streets.

S. S. Bain is erecting a double carnation house, 200x40 feet, with iron gutters. His American Beauties are looking fine since they are benched.

Hall & Robinson, of Outremont, are also building some houses of King construction. We are waiting to see the snow and how they will work then.

Joseph Bennett has housed all his carnations. Those from the field are a bit larger than those planted in benches this spring. A selected, new variety of mums are on trial there. His Nephrolepis Piersoni are just grand.

J. Doyle is expected at Montreal in the near future. His place in the club has never been filled since he left the city. A. BEE.

CROMWELL, CONN.

One of the most attractive houses on the place at present is a house of the new yellow rose, Frank Deegen. It has most certainly given every indication thus far of being a profitable rose from the commercial standpoint, and it is a rose which is popular with the flower buying public, judging from the call for it by the retailers. It has shown some tendency to black spot, but this disease can be controlled very easily with this variety and its susceptibility to it is not great enough to make this weakness a serious defect.

The first Beauties have been cut and in quality they are the finest we have ever cut at this season of the year and the house, as a whole, is in excellent condition to produce high grade flowers. This house was planted about the first of May and has been practically free from black spot thus far. A second house of Beauties, benched early in July, will give small returns before December.

The finest rose of the season everywhere seems to be the Kaiserin, and with us it is a very popular summer rose and a house of it in full crop is one of the attractions on the upper place.

On the lower place two very fine houses of Adiantum Farleyense attract the most attention, but the numerous chrysanthemum houses give promise of a wealth of beauty in the fall.

Asters are coming in now and meeting with a ready sale. These have been grown inside and are far superior to those grown in the field.

The carnations are planted with the exception of one house, which is being remodeled internally. Solid beds have not given satisfaction and narrow wood benches are being substituted.

The new barns are nearing completion and the raising of beef cattle with the manure for our composts in view, is not in the far distant future.

Coal continues to arrive by the vessel load and there is no danger of this place being injured by the situation in the coal regions for at least a year or two.

W. R. PIERSON.

LINCOLN, ILL.—Good progress is being made on the addition to the establishment of W. H. Gullett & Sons and the new houses will soon be ready for planting.

FOND DU LAC, WIS.—E. Haentze is building three houses 14x274 using one run of Jennings' gutter and one of the new Dietsch patent "U" gutter.

TOLEDO, O.—S. N. Peck is building one more house for carnations. Mr. Peck expects to be at the convention.

PLEASE discontinue my advertisement of field-grown carnations as I am getting more orders than I can fill.—HENRY BAER, Peoria, Ill.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

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INDEX TO ADVERTISERS.

This index covers only those having displayed advertisements. There is a host of others making offers in our classified ads. and they will be found there under their proper headings.

Allen, J. K. 508
Amling, H. O. 465
Aeschmann, Godfrey. 507
Baker & Son, C. F. 515
Baker, W. J. 507
Ball, C. D. 518
Barnard & Co. 463
Bassett & Washburn
..... 467-510-16
Baumann & Co., L. 514
Bayersdorfer & Co.
..... 470-513
Beach, D. S. 519
Beckert, W. C. 504
Beneke, J. J. 512
Bentley & Co. 510
Berkmans Co. 517g
Berger, H. H. & Co. 478
Bernheimer, E. 507
Berning, H. G. 511
Birnastiel, F. 523
Bonnot Bros. 508
Bourdy, Otto 519
Bowe, M. A. 473-512
Bradshaw & Hartman
..... 508
Brague, L. B. 513
Brant & Noe 505
Breitmeyer's Sons
..... 512-519
Brill, F. 504
Brod, J. 521
Bruns, H. N. 510
Buckbee, H. W. 520
Buckley Plant Co. 516
Budlong, J. A. 504-10
Burpee, W. Atlee &
Co. 504
Caldwell Co., W. E. 523
Caldwell The Woods-
man Co. 507
California Carnation
Co. 519
California Nursery. 501
Campbell, C. H. 520
Century Flower Shop
..... 512
Chicago Carnation
Co. 463-516
Clarke Bros. 512
Clarke's Sons, David. 512
Classified Advs. 517a
Coles, W. W. 517g
Cottage Gardens. 507
Cowee, W. J. 526
Crabb & Hunter 518
Craig & Son. 517h
Critchell's. 520
Crowl Fern Co. 509
Crooke Co., J. J. 527
Croom & Bro. 504
Cunningham, J. H. 519
Cushman Co. 516
Davis Nursery. 500
Dearborn Engraving
Co. 508-33
Dessert, A. 504
Dickinson Co., Albert. 500
Dietsch, A. & Co. 533
Diller, Caskey & Co. 526
Dillon, J. L. 518-34
Dillon Greenhouse
Mfg. Co. 534
Dixon Crucible Co. 525
Dorner, F. & Sons Co.
..... 521
Dreer, H. A. 506-19-34
Dunham Co., C. A. 522
Dunn & Co., C. A. 522
Dunne & Co. 476
Dwyer & Son, T. J. 501
Eickholt, Mrs. Chas. 513
Elliott, J. L. 529
Elliot & Sons. 515
Ellis, F. M. 471
Ellwanger & Barry. 501
Fehr, A. G. 473
Fellouris, A. J. 505
Finley, C. E. 525
Florists' Hall Asso. 478
Foley, J. J. 508
Foley Mfg. Co. 530
Foster, L. H. 506
Fulweller & Bro. 521
Garland, Geo. M. 511
Garland, Frank. 510
Gasser Co., J. M. 512
Geller, Sigmond. 476-78
Ghormley, W. 473-508
Giblin & Co. 529
Gibbons, H. W. 529
Graham, H. 513
Gude & Bro. A. 512
Gullett & Sons. 505
Guttman, A. J. 509
Hammond, Benj. 524
Hammond, J. A. 508
Hancock, Geo. & Son. 521
Hauswirth, P. J. 512
Heacock, Jos. 510
Hellas-Upton. 523
Herendeen Mfg. Co. 531
Herr, A. M. 506
Herrmann, A. 478
Hicks & Crawbuck. 509
Hill Co., E. G. 507
Hippard, E. 531
Hitchings & Co. 512-530
..... 532-34
Holton & Hunkel Co. 511
Hornor & Son. 500
Howe, C. L. 504
Hunt, E. H. 466-510-24
Igoe Bros. 526
Ionia Pottery Co. 506
Jacobs & Son. 525
Jennings, E. B. 519
Johnson & Stokes. 507
Joosten, C. H. 513
Jurgens, Aug. 511
Kasting, W. F. 463
Keller & Son. 523
Kellogg, Geo. M. 507
Kennicott Bros. Co. 463
Kerwin Bros. 517h
Kilbourn, R. 505
Knoll, Mrs. 504
Koropp, L. 515
Kramer & Son. 525
Kreshover, L. J. 509
Krick, W. C. 522
Kroeschell Bros. Co. 534
Kuehn, C. A. 511
Kuhl, Geo. A. 520
Lager & Hurrell. 514
Lange, A. 512
Larkin Soap Co. 518
La Roche, M. F. 501
Lecakes & Co., N. 509
Limbach, C. 534
Lion & Wertheimer. 476
Livingston Seed Co. 523
Lockland Lumber
Co. 532
Loomis Floral Co. 504
Lord & Burnham. 534-IV
Ludemann, F. 505
McConnell, Alex. 512
McCray Refrigerator
Co. 523
McCullough's Sons. 511
McDowell, J. A. 521
McManus, Jas. 502-3-8
McMorran & Co. 530
Meehan, C. E. 520
Michell, H. F. 517g
Michigan Cut Flower
Exchange. 511
Michigan Seed Co. 514
Millang, C. 508
Montinger Co., J. C. 529
Moon Co., W. H. 501
Moore, Hents & Nash. 506
Moss, Isaac H. 501
Mott Seed & Bulb Co. 478
Muno, John. 510
Murphy, Wm. 511
Nanz & Neuner. 521
National Florists'
Board of Trade. 609
Naumann, G. M. 517
N.Y. Cut Flower Co. 508
Niessen, Leo. 471
Oechalin Bros. 519
Park Floral Co. 513
Parker-Bruen Co. 521-25
Peacock, W. P. 507
Pennock, S. S. 473-506
..... 507-15
Perkins, J. J. 509
Peterson's Nursery. 500
Philadelphia Whole-
sale Flower Market
..... 509
Pierce Co., F. O. 521
Pierson Co., F. R. 463-75
Pierson-Sefton Co. 514
Piggott, H. F. 518
Pine Tree Silk Mills. 513
Pittsburg Cut Flow-
er Co. 509
Poehlmann Bros. 472
..... 506-10-20
Pollworth Co. 505-520
Quaker City Machine
Works. 524
Rachham, Geo. A. 473
Randall, A. L. 510
Rawlings, E. I. 508
Rawson & Co. 504
Raynor, J. I. 509
Rebstock, J. H. 504
Reed & Keller. 478
Regan Ptg. House. 528
Reid, Edw. 517
Reinberg, Geo. 510-14
Reinberg, P. 469-510
..... 518-20
Rice Bros. 511
Rice, M. & Co. 499
Riedel & Spicer. 508
Robinson & Co. 512
Rock, W. L. 478
Roehrs, Julius. 463-517g
Rupp, J. F. 514
Ryerson, U. O. 528
Salter, W. H. 513
Sampson, Wm. 509
Sands, W. B. 520
Schloss Bros. 507
Schmitz, F. W. O. 478
Schweigert, C. 514
Scollay, J. A. 534
Scott, John. 514
Scott, W. 512
Sheridan, W. F. 508
Shibley. 512
Siebert, C. T. 517f-534
Siebrecht & Son. 476-512
Siewers & Boland. 512
Sinclair, D. J. 472
Sinner Bros. 476-510
Skidelsky, S. S. 518
Smith, H. J. 516
Smith & Son, N. 516
Smith Co., W. & T. 501
Sprague Smith Co. 532
Stern & Co., J. 478
Sternizing, W. W. 520
Stewart, E. E. 478
Stewart, S. B. 512
Stone, S. 522
Stoohoff, H. A. 500
Studer, N. 506
Stumpp & Walter. 477
Swanson, Aug. S. 512
Syracuse Pottery. 529
Teas, E. Y. 518
Thaden & Co. 501
Thorburn, J. M. & Co. 504
Tobacco Warehouse-
ing & Trading Co.
..... 524-529
Traendly & Schenck. 509
Van Horne, Griffen. 526
Vesey, W. J. & M. S. 521
Vincent, Jr. E. & Son. 507
Virgin, U. J. 512
Wagner Park Con-
servatories. 520
Weber, F. C. 512
Weber & Sons. 520
Welland, M. 512
Welland & Risch. 510
Whetstone & Co. 524
White Enamel Re-
frigerator Co. 525
Whitton, C. 473
Whitton, S. 521
Wiegand & Sons. 512
Wielor Bros. 468-510
Wilks Mfg. Co. 526
Williams Co., F. R. 507
Williams & Sons Co.
..... 505-25
Winterson Co., E. F. 464
Wittbold Co. 474-512
Wonneman, C. C. 501
Yates & Co., T. N. 515
Young, John. 508
Young, J. W. 513
Young & Nugent. 508
Zirngiebel, D. 505
Zvolanek, A. C. 518

Moore, Hents & Nash. 506
Moss, Isaac H. 501
Mott Seed & Bulb Co. 478
Muno, John. 510
Murphy, Wm. 511
Nanz & Neuner. 521
National Florists'
Board of Trade. 609
Naumann, G. M. 517
N.Y. Cut Flower Co. 508
Niessen, Leo. 471
Oechalin Bros. 519
Park Floral Co. 513
Parker-Bruen Co. 521-25
Peacock, W. P. 507
Pennock, S. S. 473-506
..... 507-15
Perkins, J. J. 509
Peterson's Nursery. 500
Philadelphia Whole-
sale Flower Market
..... 509
Pierce Co., F. O. 521
Pierson Co., F. R. 463-75
Pierson-Sefton Co. 514
Piggott, H. F. 518
Pine Tree Silk Mills. 513
Pittsburg Cut Flow-
er Co. 509
Poehlmann Bros. 472
..... 506-10-20
Pollworth Co. 505-520
Quaker City Machine
Works. 524
Rachham, Geo. A. 473
Randall, A. L. 510
Rawlings, E. I. 508
Rawson & Co. 504
Raynor, J. I. 509
Rebstock, J. H. 504
Reed & Keller. 478
Regan Ptg. House. 528
Reid, Edw. 517
Reinberg, Geo. 510-14
Reinberg, P. 469-510
..... 518-20
Rice Bros. 511
Rice, M. & Co. 499
Riedel & Spicer. 508
Robinson & Co. 512
Rock, W. L. 478
Roehrs, Julius. 463-517g
Rupp, J. F. 514
Ryerson, U. O. 528
Salter, W. H. 513
Sampson, Wm. 509
Sands, W. B. 520
Schloss Bros. 507
Schmitz, F. W. O. 478
Schweigert, C. 514
Scollay, J. A. 534
Scott, John. 514
Scott, W. 512
Sheridan, W. F. 508
Shibley. 512
Siebert, C. T. 517f-534
Siebrecht & Son. 476-512
Siewers & Boland. 512
Sinclair, D. J. 472
Sinner Bros. 476-510
Skidelsky, S. S. 518
Smith, H. J. 516
Smith & Son, N. 516
Smith Co., W. & T. 501
Sprague Smith Co. 532
Stern & Co., J. 478
Sternizing, W. W. 520
Stewart, E. E. 478
Stewart, S. B. 512
Stone, S. 522
Stoohoff, H. A. 500
Studer, N. 506
Stumpp & Walter. 477
Swanson, Aug. S. 512
Syracuse Pottery. 529
Teas, E. Y. 518
Thaden & Co. 501
Thorburn, J. M. & Co. 504
Tobacco Warehouse-
ing & Trading Co.
..... 524-529
Traendly & Schenck. 509
Van Horne, Griffen. 526
Vesey, W. J. & M. S. 521
Vincent, Jr. E. & Son. 507
Virgin, U. J. 512
Wagner Park Con-
servatories. 520
Weber, F. C. 512
Weber & Sons. 520
Welland, M. 512
Welland & Risch. 510
Whetstone & Co. 524
White Enamel Re-
frigerator Co. 525
Whitton, C. 473
Whitton, S. 521
Wiegand & Sons. 512
Wielor Bros. 468-510
Wilks Mfg. Co. 526
Williams Co., F. R. 507
Williams & Sons Co.
..... 505-25
Winterson Co., E. F. 464
Wittbold Co. 474-512
Wonneman, C. C. 501
Yates & Co., T. N. 515
Young, John. 508
Young, J. W. 513
Young & Nugent. 508
Zirngiebel, D. 505
Zvolanek, A. C. 518

This issue, 84 pages, full count and no blanks.

ATHENS, O.—George Link, aged 71 years, died August 10. For many years he was gardener at the Athens State Hospital.

TWO RIVERS, WIS.—L. Hartung has work well under way on five new greenhouses, four, 19x100, and one, 23x50. Roses, carnations and vegetables will be grown.

GRAND RAPIDS, MICH.—Eugene Davis will next season plant several of his greenhouses with a seedling cucumber of his own raising.

EARLVILLE, ILL.—Mayor Hoss has a good proposition for someone who will start a greenhouse to do a retail and wholesale business. This city is only two hours and a half from Chicago.

WANT ADVERTISEMENTS.

Advertisements under this head one cent a word, cash with order. Plant advertisements NOT admitted under this head.

Every subscriber is entitled to a free situation wanted or help wanted advertisement not exceeding 35 words in any one issue during the year. If the advertisement exceeds 35 words, send at the rate of one cent for each additional word.

When answers are to be addressed in our care, add 10 cents for forwarding.

SITUATION WANTED—By thoroughly competent florist as grower or working foreman. 34 years of age, life experience in growing cut flowers, bedding and decorative stock. Western state preferred. State terms. Address No. 159, care Florists' Review, Chicago.

SITUATION WANTED—A No. 1 grower of S roses, carnations, mums, violets and general line of store and bedding plants, wishes to take charge where first-class stock is wanted. Good wages expected. State wages and conditions in first letter. Address No. 160, care Florists' Review, Chicago.

FOR SALE—One No. 30 Wilks hot water boiler, with stack complete, used only three months. A bargain for cash. James W. Dunford, R. R. No. 1, Clayton, Mo.

FOR SALE OR RENT—Eight greenhouses, two 120x20, one 130x24, two 68x24, one 50x24, and two 68x12. All heated by steam; hot-air pump and windmill; also 9 room dwelling, heated by steam from greenhouses, with hot and cold water; several acres of ground. Apply to William Yeager, 68 East Main St., Norristown, Pa.

WANTED—A sober, reliable, cheerful and willing worker, good wages with steady work; room and board; a quiet place with lots of work. O. L. Baird, Dixon, Ill.

FOR SALE—At big bargain about 5,000 feet of glass in a good factory town of 5,000; no competition. Write for particulars. No. 158, care Florists' Review, Chicago.

SITUATION WANTED—By sober, reliable man, married, capable of taking charge, propagating and planting of hardy shrubs, trees, evergreens, clematis. Right man for a firm, who will start in this business. Address No. 157, care Florists' Review, Chicago.

WANTED—Single florist, must be willing and temperate, for carnations, mostly. Steady position; state wages, etc. H. F. Piggott, South Brooklyn, Ohio.

WANTED—Capital to increase glass area in a well established business, in town and neighborhood of 10,000; no competition. Would take partner with necessary capital. P. O. Box 148, Greenport, L. I., N. Y.

FOR SALE—New glass, never opened. 50 boxes 16x24 D. S. A. at \$3.75 per box, and 50 boxes 16x18 D. S. B. at \$3.40 per box. Davis Bros., Morrison, Ill.

FOR SALE—Three greenhouses, over 3,000 feet of glass, clear cypress caps and bars, ventilating apparatus, etc., all in good condition. Cheap for cash. S. Pepper, Belvidere, Ill.

SITUATION WANTED—An experienced salesman and designer open for engagement on or before Sept. 15th; first-class store only. State wages. Address No. 145, care Florists' Review, Chicago.

WANTED—A buyer for my garden and greenhouse business, 8 acres of splendid land (none better), 3,000 feet of glass, good location and trade well established in town and out; good shipping point, 6 lines of railroad; no competition. Will sell right if sold soon. Call on or address S. H. Beaver, Seward, Neb.

WANTED—Single man, some knowledge of greenhouse work \$20.00 per month and board. At once. G. M. Beears, Reading, Pa.

WANTED—Experienced florist to take charge. 8,000 feet glass; grow cut flowers and general stock, \$30.00. board and room to start with. Give description, also good references. Address J. C. Steinhauer, Pittsburg, Kan.

FOR SALE—A No. 4 Hitchings' saddle boiler as good as new. Cheap. The Kaber Co., La Porte, Ind.

WANTED—An experienced salesman and decorator for an up-to-date retail store catering to the best trade; must be experienced in store work and decorating and come well recommended. A good salary and chance for advancement to the right party. Address with full particulars, Randolph & McClements, S. Highland Ave. and Baum St., Pittsburg, Pa.

FOR SALE—Wholesale florist's ice box, almost new, filled with granulated rock, lined with galvanized sheet iron; 8 feet wide, 5 feet deep, 9 feet high, in sections: \$80.00 f. o. b. Pittsburg. Fred Burk, Allegheny, Bellevue, Pa.

WANTED—Two single men for roses and carnations. Pittsburg Rose & Carnation Co., Crystal Farm, Gibsonia P. O., Pa.

SITUATION WANTED—As manager of small place by an experienced grower. Address No. 153, care Florists' Review, Chicago.

SITUATION WANTED—By single man with 8 years' experience, 5 years in present position. Capable of taking full charge. No. 154, care Florists' Review, Chicago.

SITUATION WANTED—Strong, willing boy, 19, with florist in or near Chicago preferred; used to field work; references. No. 151, care Florists' Review, Chicago.

WANTED—Two or three men for carnations and roses. Bassett & Washburn, Hinsdale, Ill.

WANTED—Young man with some experience in general greenhouse work. Permanent place and good wages paid. Address No. 123, care Florists' Review, Chicago.

IT WAS UP TO YOU

To come to the Greatest Convention ever held.

IT WAS UP TO US

To show you, as promised, the finest display of

FLORISTS' SUPPLIES AND RIBBONS

Ever exhibited. The verdict of everyone who attended the convention was that we had BEYOND QUESTION the grandest display of exclusive novelties in up-to-date Florists' Supplies and Ribbons ever seen at a Florists' Convention. "Nuf Ced."

M. RICE & CO.

Leading Florists' Supply House
and Ribbon Specialists.

WRITE FOR OUR
NEW CATALOGUE.

918 Filbert Street,
Philadelphia, Pa.

SITUATION WANTED—By a first class florist, as grower or foreman, 30 years of age; lifelong experience in pot plants and cut flowers; good designer; far west or south preferred; party who cannot pay fair salary need not answer this adv. Address No. 156, care Florists' Review, Chicago.

WANTED—A good all-round grower on place of 8,000 feet glass. Roses main crop. Single man preferred. Good wages to the right man. Address J. W. Rentz & Son, Peru, Ind.

WANTED—Working foreman for commercial place, 13,000 feet glass. Must be a good grower of roses, carnations, mums and bedding stock; a good designer and decorator. Good wages and steady employment to reliable man. Send references. McKellar Greenhouses, Chillicothe, Ohio.

WANTED—At once, a sober and reliable man who understands growing of carnations. Good wages and steady employment to reliable man. M. Weiland, 602 Davis Street, Evanston, Ill.

WANTED—An up-to-date florist's wagon, glass sides, in good condition; will pay cash. Write A. B. C., care J. Austin Shaw, City Island, N. Y.

FOR SALE—Some extra good second hand 3-in. pipe, guaranteed sound, 6c per foot; also some 12x12 and larger double thick glass at \$2.75 per box. W. H. Salter, Rochester, N. Y.

WANTED—Position as traveller for a first-class horticultural firm in any line or as foreman. Years of experience. Best of reference, Jas. Vick's Sons, Vick & Hill Co. and others. Address A. F. Vick, Barnards, N. Y.

WANTED—Three experienced rose growers who know their business and will work to merit advancement. Good salary paid if ability is shown. Poehmann Bros. Company, Morton Grove, Cook Co., Ill.

FOR SALE OR RENT—Greenhouses, 6,000 ft. glass, fine location—722 N. 64th Ave. Enquire of Frank June, Oak Park, Ill.

FOR SALE—A bargain—Boiler (25 H.-P.) half front and fixtures complete, in good working order. Sam. Van Bochove, Kalamazoo, Mich.

FOR SALE—Two boilers, one cast iron, one water tube, in good order, for 2500 and 4000 ft. of glass respectively. \$50.00 each. Dann & Son, Westfield, N. Y.

FOR SALE—Cheap for cash, second-hand 4-in. cast iron pipe and fittings. Good condition. Address Cole Bros., Box 577, Peoria, Ill.

FOR SALE—About 3,000 feet of 2-in. pipe in first-class condition. 7c per foot, f. o. b. H. B. Lee, Bedford, O.

FOR SALE—Greenhouse property, about 4000 ft. glass, well stocked, everything up-to-date, close to the finest cemetery in eastern Ohio. For particulars call or address W. S. Taggart, St. Clairville, Ohio.

FOR SALE—Cheap for cash—A good second-hand boiler for 3,000 feet of glass; about 1000 ft. of 8x10 and 11x12 glass and bars enough to make greenhouse 100x14, tank, etc. Th. F. Van Der Meulen, Dunkirk, N. Y.

FOR SALE—The Florence Greenhouses, nearly 3000 feet of glass; completely stocked with general line of plants; good stock of supplies. Good stock hardy plants outside. Hot water heat; splendid trade; best town in Colorado; no competition. \$1000 cash takes it. Worth \$3000. Immediate possession. Templin & Co., Florence, Colo.

FOR SALE—New greenhouse material as follows: New 2-in. black pipe, long lengths, 10 cts. per ft.; 6x8, 50 ft. boxes, American glass, single, \$2.25 per box; 6x8, 50 ft. boxes, American, double, \$2.70 box; 6x8, 100 ft. boxes, French, single, \$4.00 box; 8x10 single French glass, \$4.50 per 100 ft. box; 12x14, 16x18, 14x14, 50 ft. boxes, American glass, double, \$3.60 box; 12x12, 10x14, 50 ft. boxes, American glass, single, \$2.40 box. Clear gulf cypress greenhouse material, and everything for building. Send for prices. S. Jacobs & Sons, 1365 to 1375 Flushing Ave., Brooklyn, N. Y.

FOR SALE a Market Garden
producing Flowers,
Fruits and Vegetables.
HENRY HOUGHTON, Peotone, Ill.

...FOR SALE...

Gorton side feed steam boiler, No. 138 (largest size) for hard coal, in good condition, used only two winters. Robt. M. Schultz, the extensive and well known florist of Madison, N. J. testifies that a No. 137 (one size smaller) heated for him 15,000 sq. ft. of glass, keeping up a night temperature of 65 degrees and gave entire satisfaction. Other users certify to the efficiency of these boilers. Price \$200 f. o. b.

WM. B. Sands, Lake Roland, Baltimore, Md.

FOR SALE.

A Well-Paying Business Opportunity.
WILL SELL OUR RETAIL STORE.

It is a first-class store, is well stocked, is centrally located, and enjoys a very large and excellent patronage.

REASON—Will grow flowers for the wholesale trade. Address

Hoffmeister Floral Co.,
813 Elm Street, CINCINNATI, OHIO.

FOR SALE.

The plant of the **MORTON GROVE GREENHOUSES** (Incorporated), 14 miles from CHICAGO court house, consisting of 38,000 feet of glass, 1/2 being new glass 16x20 put up in 1900; four acres of tilled land, great soil; 2,000 Peonies, 2 years old; steam heat, 3 boilers, one a 100 H. P. Kroe-schell make, virtually new; 500 tons washed coal in the shed. Have planted 7,500 Roses, 16,000 Carnations, all A 1 stock. **OLD ESTABLISHED TRADE.** Plant in A 1 condition, excepting the old range, for which **NO CHARGE WILL BE MADE.** Will sell at a very **ATTRACTIVE** figure and on easy terms, with or without a 5-room dwelling on 60-foot lot across the street.

Might rent, or sell half interest with option of future purchase to a responsible grower, who must take full charge, as proprietor's business interests are now entirely away from the city.

Address until Sept 17th, care United States Glue Co., 37 Spruce St., New York. After that in care same Co., Milwaukee Wis.

PAUL KREISMANN.

**THE REGAN
...PRINTING HOUSE...**

Nursery....
Seed....
Florists'... **Catalogues**

87-91 Plymouth Place, Chicago.

NURSERY NEWS.

AMERICAN ASSOCIATION OF NURSERYMEN.

Pres., N. W. Hale, Knoxville, Tenn.; Vice-Pres., F. A. Weber, St. Louis; Sec'y, Geo. C. Seager, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-eighth annual convention will be held at Atlanta, Ga., June, 1904.

THE Southern Nurserymen's Association was in session at Winchester, Tenn., August 19.

SILAS WILSON, of Atlantic, will have charge of the Iowa horticultural exhibit at St. Louis.

J. C. HALE, Winchester, Tenn., says he has four million peach trees for delivery next fall and spring.

THE Mankato Nursery, C. R. Brooks, manager, is to be removed from Mankato, Minn., to Little Falls, Minn. They also have a nursery near Darling, Minn.

A NURSERYMAN will have to have a license to do business in the State of Virginia after September 1, but the American Association of Nurserymen will test the legality of the law.

W. R. RUSSELL, of Vermilion, S. D., has a nice stock of trees and shrubs but finds a local market for more than he can produce and supplies the demand with material from wholesale nurseries.

THE Ann Arbor railroad is building a system of big hotels in the northern Michigan summer resort region, the sites including many acres and requiring more or less landscape work.

F. B. ORTON, whose nursery eight miles south of Kiowa, Kan., is not so very old, reports business increasing largely each year. He expects his total output next year will be not far from a million trees.

ORLANDO HARRISON, of Berlin; Charles M. Peters, of Snow Hill, Md.; Wesley Webb, of Dover, and A. W. Slaymaker, of Camden, Del., were among the nurserymen present at the field meeting of the Maryland State Horticultural Society, at Salisbury, August 6.

J. G. HARRISON & SONS, Berlin, Md., have budded about 5,000 peach trees with a variety called Ray for W. F. Allen, of Salisbury, who obtained it from a friend in Mississippi. It does not seem to be on the market but is especially suited to a light, sandy soil.

PEONIES OUR SPECIALTY.

Best Collections. P. Festiva Maxima and P. Off. Mutabilis. Strong plants. True to name. Catalogues free.

A. DESSERT, Chenonceaux, France.

Mention Review when you write.

Fumigating Kind Tobacco Powder
KILLS ALL APHIS IN ONE NIGHT
In a house 100x25 ft., at a cost of 10c. A 3 lb. trial pkg. will cost nothing if you will pay the express charges on it. Our booklet tell of it. Write Dept. 10, for it.
The H. A. STOOHOFF COMPANY
116, 117, 118 West St., N. Y. City

Mention the Review when you write.

PEONIES

Last call on the following surplus. September 1 all unsold plants will be divided and replanted. ORDER AT ONCE.

These varieties have all bloomed on our place and are true to name, and are not at all mixed. We make no charge for packing. The sizes given are as follows:

Small—Being plants of one or two stalks of this year's growth. **Medium**—Being plants of three to five stalks of this year's growth. **Large**—Being plants of six or more stalks and represents one, two or three year-old plants.

Orders subject to stock being unsold and will be booked in rotation as received. These prices will not hold good after we begin digging and shipping September 1. To customers wishing a few plants we refer to our descriptive catalogue of last year and can generally give plants of same size as those there listed at prices given. Mailed on request.

WHITE SORTS.

- No. 8 **Drop White**—Early, fancy white, splashed with carmine, 300 small at 40c each.
- No. 7 **Queen Victoria or Whitey**—Best early white for storage, 200 small at 30c each.
- No. 11 **Couronne d'Or**—Late, large, ivory white, 35 small at 75c each.
- No. 13 **La Tulipe**—Blush white, tulip markings, mid-season, 45 small at 50c each.
- No. 15 **Humea Alba**—Rose shaped, flesh pink, late, 40 small at 40c each.
- No. 38 **Marie Lemoine (Callot)**—Early, blush white, 50 medium at 60c each.
300 fine, pure white, small, 25c each.

PINK SORTS.

- No. 101 **Carnea Elegans**—Early, commercial pink, 100 small at 30c each.
- No. 106 **Triomphe de l'Exp. de Lille**—Mid-season, pale rose pink, high center, 60 medium at 60c each; 65 large at \$1.00 each.
- No. 111 **Victoire Tricolor**—Large rose guard, mixed pink center, very fragrant, mid-season, 50 small at 40c each.
- No. 114 **Sidonie**—Early, pink guard, darker center, 30 small at 30c each.
- No. 135 **Lady Leonora Bramwell**—Early, solid silver pink, 200 small at 50c each.
- No. 165 **Count de Cussy**—Mid-season, delicate pink, fragrant, 20 medium at 45c each; 35 large at 75c each.
300 one-year-old plants, mostly pink, from our best sorts at 10c each.

ROSE SORTS.

- No. 201 **Pres. de Montzey**—Late, dwarf, massive rich rose, 30 large at 50c each.
- No. 218 **Mme. Geissler**—Immense rose, late, 100 small at 50c each.
- No. 220 **Hamel**—Late, very full, rose, 50 small at 25c each.
- No. 221 **Jules Callot**—Late, deep rose red, 30 medium at 40c each.
- No. 243 **Furst Blamarck**—Large, rose guard, anemone, 20 medium at 40c each.

RED SORTS.

- No. 303 **Rubra Triumphans**—Bright, early crimson, 100 small at 35c each.
- No. 315 **L'Eclatante**—Blood red, 50 small at 40c each.
- No. 326 **Purpurea Superba**—Deepest red, early, 100 small at 50c each.

SINGLE JUNE-FLOWERING SORTS.

- No. 02 **Tatarica**—Single white, original type, 7 small at 50c each.
- No. 0202 **Celestial**—Single rose (Thos. Ware), 17 large at \$1.00.
- No. 0301 **Adam Bede**—Single, crimson (Kelway), 4 large at \$1.50 each.
- No. 0304 **Albiflora Purpurea**—Single, crimson (Thos. Ware), 11 small at 50c each.
- No. 0305 **Stanley**—Single, deepest maroon (Kelway), 7 large at \$1.50 each.
- No. 0307 **Mikado**—Single, Japanese crimson, golden fliegree cushion, late 25 small at \$2.00 each. This list supersedes the one recently sent out.

PETERSON NURSERY, 164 La Salle Street, Chicago.

Mention the Review when you write.

FRUIT, SHADE and ORNAMENTAL TREES, EVERGREENS, SHRUBS, PRIVET AND ASPARAGUS.

A few thousand extra large SHADE TREES, such as ELMS, NORWAY, SUGAR and SILVER MAPLES.

PEACH, APPLE, PEAR IN CARLOAD LOTS.

"HEAVY ON PEACH AND APPLE."

Send in your list of wants. Catalogue Free. Trade List out in September.

FRANKLIN DAVIS NURSERY COMPANY, --- BALTIMORE, MD.

200,000 EVERGREEN AND SHADE TREES.

ORIENTAL PLANES,

NORWAY, SYCAMORE,

Silver (or soft) and other Maples, Etc.

MAGNOLIAS and other Ornamental Nursery Stock.

PIN OAKS

SUGAR MAPLES,

CALIFORNIA PRIVET,

Standards, Hedge Plants and Specimens, the largest size of the latter for sale in America

NEW SHELLBARK "HORNOR'S SPECIAL."
CHAS. B. HORNOR & SON, Mt. Holly, N. J.

Always mention the Florists' Review when writing advertisers.

PHILADELPHIA.

The Market.

The cut flower market is very quiet now. Asters and dahlias are plentiful; there are a good many gladioli; sweet peas can still be had of fair quality; valley is rather poor. Japanese hydrangeas (*Paniculata grandiflora*) have made their appearance most decidedly, and in a way that is very acceptable to makers of inexpensive designs. Beauties are increasing in number; some of them are really fine for August. There is quite a little shipping business to nearby seashore resorts.

The Convention.

Philadelphia has sent a splendid exhibit of plants, supplies, ribbons, etc., to Milwaukee this week. A fair-sized delegation left Broad Street Station on Monday morning for the convention city. A few left earlier and a few more followed after the main body. Those who went were President John Burton, Robert Craig, Leo Niessen, John Westcott, Edward Reid and family, Joseph Heacock, F. J. Michell, Charles D. Ball and wife, Robert Kift, B. Eschner, Paul Berkowitz, D. T. Connor, Julius Wolfe, Jr., Rupert Kienle, William Robertson, Edward Fancourt, Walter Yates, John F. Sibson and wife, Martin Reukauf, Frank Polites, John Kuhn, George C. Watson, Felix Meyers, William Falk and others. For their success in the hall of debate, in the exhibition and in the sports you must look in another column.

Notes.

C. A. Dunn returned this week from an extended trip throughout the state.

Mrs. R. C. Smith, of Secane, is sending in some fine asters to the Flower Market.

The Steamer Haverford, with S. S. Pennock on board, was delayed in the Delaware river by running on a sand bank.

R. G. Palmer is sending in some very nice dahlias to the Flower Market.

One of the growers in the track of the recent hail storm gives it as his opinion that 16x24 glass suffered less than any other size.

A good story is told of a dog recently imported by Alexander B. Scott, of Sharon Hill. It seems that he got a fine Irish setter from a member of the firm of A. Dixon & Sons, of Belfast. The dog was valued at \$5 and the duty paid on that valuation. A friend was so much pleased with the animal that he asked Mr. Scott to import him a pair like it. A reply came from Ireland that a pair could not be had for less than \$500. The dog in question had been given to Mr. Dixon by a friend, and the valuation \$5 represented the gratuity given a man to put the dog on the steamer.

Edward Reid will go from Milwaukee to his home in Dakota for a vacation.

PHIL.

AUGUSTINE & Co., Normal, Ill., have incorporated. The capital is \$50,000 and the incorporators are Henry Augustine, J. E. Baker and Guy W. Waite.

STRAFFORD, PA.—E. A. Stroud, of Overbrook, is locating here, building a range of four greenhouses covering 150x320 feet for growing carnations.

GOSHEN, IND.—E. N. Burt is rebuilding one of his houses, preparing for another busy season.

75,000 Pot-Grown Strawberry Plants

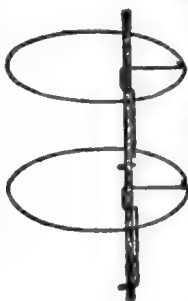
If planted now will produce a full crop of **LARGE LUSCIOUS STRAWBERRIES** in 1904. We have these in stock in fifteen of the best varieties. Submit your list of wants for special low quotations.

T. J. DWYER & SON, Orange County Nurseries, **CORNWALL, N. Y.**
Box 21.

Mention the Review when you write.

THADEN'S WIRE TENDRIL

TESTIMONIALS.



From Mann & Brown, Richmond, Va., Sept. 22, 1903: "Enclosed please find our check for \$72.50 to pay enclosed bill, and also for a duplicate order." Feb. 12, 1903: "We think very much of your Tendrils and think every Florist should try them."

AWARDED
CERTIFICATE OF MERIT
at the
Asheville Convention of the
S. A. F. and O. H.
Sample package of 100, by mail prepaid, 60 cents.

H. THADEN & CO.

472 W. Hunter St., **ATLANTA, GA.**

LOOK! Don't miss these BERRIED PLANTS FOR CHRISTMAS

Solanum Ciliatum or Adam's Apple, large bright red berries, 3-in. pots, 5c; 4-in. pots, 10c each.
Solanum Annum or Celestial Peppers, 4-in. pots, 10c each.
Solanum Capsicastrum or Jerusalem Cherry, large berries, var., 3-inch pots, 5c each.
Stevia 2½-inch pots, 2½c; 4 inch pots, 6c each.
Stevia Variegata, 3-inch pots, 5c each.
Genista, large flowering variety, 5-inch pots, 5c each.
Hydrangea Otaksa, pink and blue, 5-in. pots, 5c; 4-in. pots, 8c each.
English Ivy, 2½-inch pots, 5c each.

All these plants are strong and clean and ready to ship. Cash. Satisfaction guaranteed.

M. F. LaROCHE, Collingdale, Pa.

Mention Review when you write.

Carnation Plants

FIELD-GROWN, STRONG, HEALTHY STOCK.

PROSPERITY.....	\$7.00	per 100
QUEEN LOUISE.....	7.00	"
ESTELLE.....	7.00	"
Mrs. G. BRADT.....	\$7.00	per 100; 60.00 per 1000
Mrs. JOOST.....	6.00	50.00 "
MELBA.....	5.00	45.00 "
MacRICHMOND.....	5.00	45.00 "

JEROME JONES MUMS, 2½-in. pots, 3.00 per 100

HARDY ENGLISH IVY, strong, 3-in. pots, \$5.00 per 100; \$40.00 per 1000.

I. H. MOSS, Govanstown, Baltimore, Md.

Mention The Review when you write.

CALLA AND BELLADONNA BULBS FOR SALE.

California Nursery Co.,
NILES, CALIFORNIA.

Mention the Review when you write.

Wanted to Exchange:

Fine, healthy stock of Ethel Crocker, America, Marquis, Frances Joost and other varieties for good Flora Hill.

C. C. WONNEMAN, - MEXICO, MO.

Mention Review when you write.

IN ordering stock from Poehlmann Bros. Co. order from their adv. on page 506 and not from the adv. on page 520.

Hardy Phlox

Newest, Choicest and Most Distinct Varieties. Immense Stock of Field-grown Plants. Price Low.

Japan.... Anemones

In Variety, including the Suberb Novelty

QUEEN CHARLOTTE.

Also a complete line of
GENERAL

Nursery Stock.

Largest Collections in America. Catalogue Free.

ELLWANGER & BARRY,

Nurserymen-Horticulturists,
Mount Hope Nurseries,

ROCHESTER, N. Y.
63d YEAR.

Mention the Review when you write.

W. & T. SMITH COMPANY, GENEVA, N. Y.

Wholesale Growers of Ornamental Trees, Shrubs, Roses, Clematis, Fruit Trees, and Small Fruits in great variety.

Send for our Wholesale Price List.

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Send to **THE MOON** Company
For { Trees, Shrubs, Vines, and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.,
Morrisville, Pa.



Mention the Review when you write.

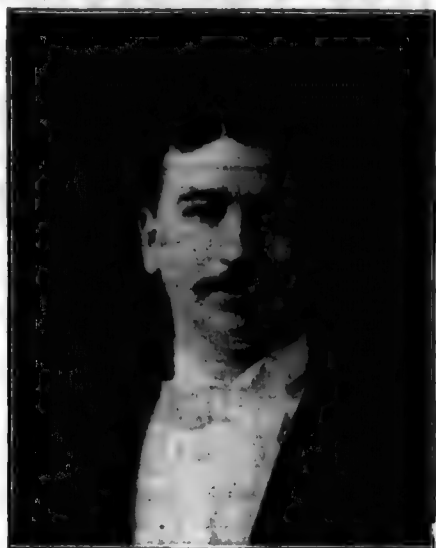
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1897

**Gardenias,
Valley and Roses**

As fine as can be grown.

Prompt payments and highest
market prices guaranteed.



**OUR
Convention
.....Green**

My Success and Reputation are established on
of square dealing
highest value per
the amount expended, and absolute
The past year has been the best of m
ence. * * * * *

JAMES M

Telephone
759 Madison Square.

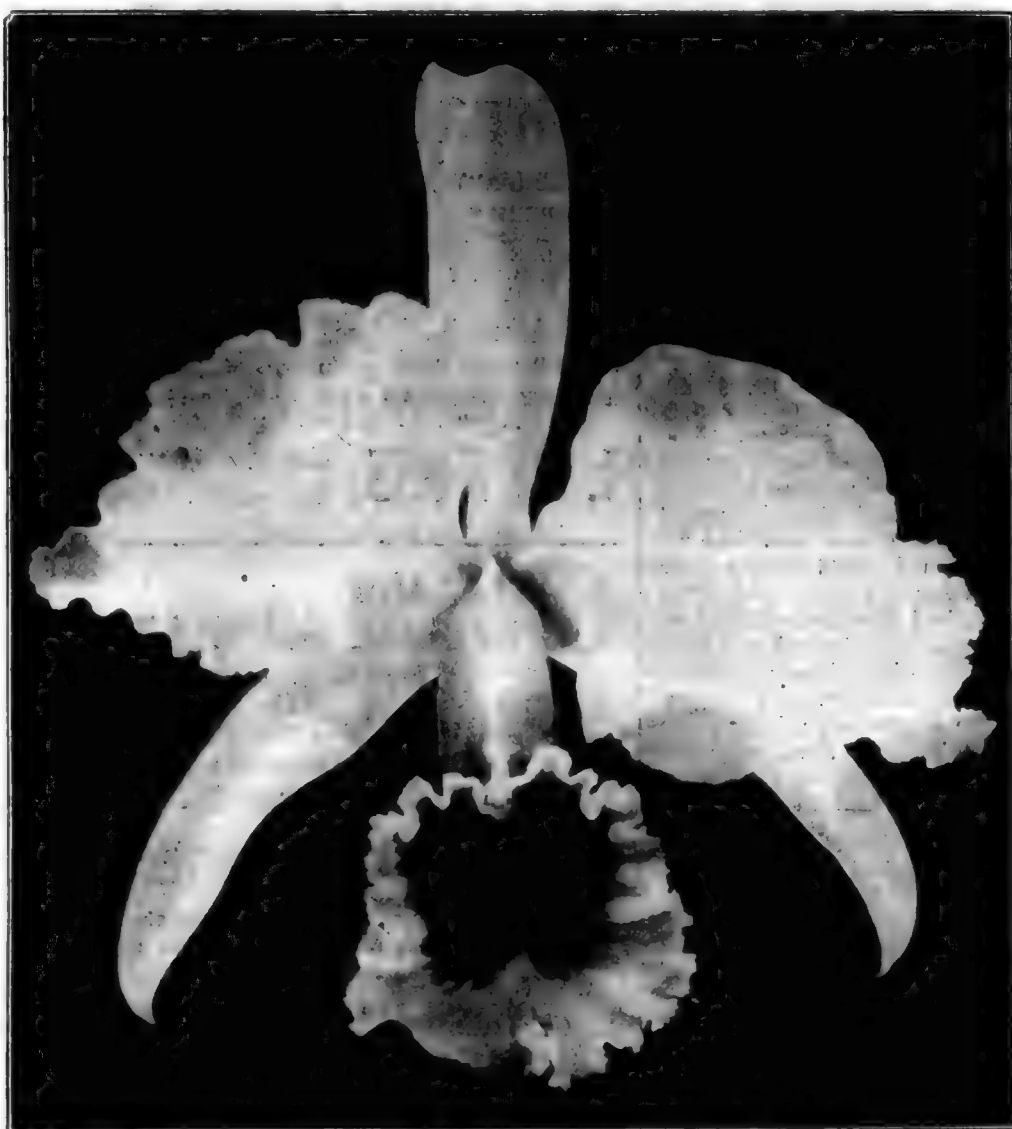
Wholesale Florist,

Orchids,

Am.

Beauties,

Liberties.



Don't
I am Hea

Orch

CONSIGNM

White



Headquarters
FOR

1903

ORCHIDS

Increased demands make more consignors
necessary, especially of Beauties, Meteors,
Liberties and **ORCHIDS**.

MC MANUS

50 W. 30th St., New York City.



The best always
of the new

Carnations,

**Lily
of the Valley,**

Violets.

Seed Trade News.

AMERICAN SEED TRADE ASSOCIATION.

Pres., S. F. Willard, Wethersfield, Conn.; First Vice-Pres., J. Chas. McCullough, Cincinnati, O.; Sec'y and Treas., C. E. Kendel, Cleveland, O. The 23d annual meeting will be held at St. Louis, Mo., June, 1904.

POLE beans are looking well in California.

THE seed trade in the west is in healthy shape, a good season past and another in prospect.

THE prospect for a crop of either field or sweet corn is not bright, in the opinion of experienced crop inspectors.

A. B. DICKS, of Cooper, Taber & Co., London, reached New York, August 15 on his annual visit to American seed houses.

BEGINNING August 10 the bureau of statistics of the Department of Agriculture gives reports on clover seed as well as on clover for hay.

SEED exports for the twelve months prior to July 1 were: Clover seed, 15,522,527 pounds; flaxseed, 4,128,130 bushels; timothy seed, 18,289,917 pounds, and other grass seed valued at \$581,773.

THE Department of Agriculture has published in Bulletin No. 42 descriptions of udo, a new winter salad, and wasabi, the horseradish of the Japanese, by David G. Fairchild, agricultural explorer.

ADVICE from Hamburg, Germany, says: We are going to have large crops of timothy and trefoil and prices will range low. New trefoil has appeared in the markets. The quality is very good. Prices are as low as 14 marks, which has not been the case for years.

SECRETARY WILSON has ordered Special Attorney George McCable, of the department, to go to Philadelphia with Special Assistant Attorney General J. A. Tanner and take the testimony of Burnett Landreth, the secretary of the Wholesale Seedmen's League, to be used by the government when the Mellis seed contract comes up before the Court of Claims next October.

PHILADELPHIA.—Landreth & Sons are offering all that part of their store equipment devoted to the retail trade at very tempting prices to effect quick sale; this includes both stock and store fixtures. Several outside firms sought to buy up and continue the business, but upon learning the rental—\$11,000 per annum—asked by the owners of the building, thought differently.

Late advices from some of the pea growing districts of Canada are definite. Most early smooth sorts will be delivered 100 per cent, most wrinkled sorts 75 per cent and some as low as 60 per cent.

A small acreage of sugar corn is grown in this locality, mostly of the Evergreen variety, and at this writing the outlook for properly matured seed is very dubious. The weather is unusually wet, the temperature is low both day and night and recently a frost was narrowly averted. The outlook for a favorable seed harvest in this locality is not above 50 per cent and some putting it as low as 33-1-3 per cent of all varieties.

Burpee's Seeds Grow

SEEDS

THE ALBERT DICKINSON CO.

Timothy, Clovers, Flax, Hungarian, Millets, Red Top, Blue Grass, Lawn Grass, Orchard Grass, Pasture Mixtures, Bird Seeds, ENSILAGE CORN, POP CORN, BUCKWHEAT, BEANS, PEAS, ETC. COTTON GRAIN BAGS. CHICAGO ILL.

ESTABLISHED 1802.

Thorburn's Seeds

for over a 100 years have been universally recognized as the standard of excellence.

Florists are invited to send for our

ANNUAL TRADE LIST OF BULBS

just published.

New Crop Thorburn's Superb Pansy and Madame Perret Pansy, NOW READY.

Cycas Revoluta Stems.

J. M. THORBURN & CO.

36 Cortlandt St., NEW YORK.

Mention the Review when you write.



RAWSON'S

Arlington Tested

Seeds FOR THE FLORIST

Catalogues Mailed Free.

W. W. RAWSON & CO., Seedsmen, 12 and 13 Faneuil Hall Square, BOSTON.

Mention Review when you write.

CROP --- 1903

PANSY, SUPERB MIXED, unexcelled, 1/4 oz., 75c; oz., \$5.00.

CINERARIA, DWARF, finest mixed, pkts., 50c and \$1.00. CINERARIA, TALL, finest mixed, pkts., 50c and \$1.00.

BELLIS PERENNIS, Giant Red, White and Pink, pkts., 25c; 1/4 oz., 40c.

W. C. BECKERT, - ALLEGHENY, PA.

Mention the Review when you write.

NEW CROP.

Burbank's SHASTA DAISY SEED

From strong plants and 4 1/4-inch blooms, 20c per 100, \$1.50 per 1000. Reductions on larger quantities.

THE KNOLL NURSERIES, Penryn, California.

Mention Review when you write.

Francis Brill, Wholesale Seed Grower.

Long Island Cabbage Seed, American Grown Cauliflower Seed and other Choice Specialties in Vegetable Seeds for the most critical trade. Hempstead, L. I., N. Y.

Mention Review when you write.

The BEST are the CHEAPEST in the end.

Enchantress.....	per 100, \$14.00	Per 1000, \$120.00
Gov. Wolcott.....	" 9.00	" 80.00
Queen Louise.....	" 7.00	" 65.00
Lawson.....	" 7.00	" 65.00
Joost.....	" 5.00	" 45.00

Lillian Pond.....	per 100, 10.00
Prosperity.....	" 7.00
Boston Market.....	" 8.00

Lorna, Admiral Cervera, Morning Glory, Gomez, Dorothy, Crane, Norway, Cressbrook, G. Lord and Flora Hill, all \$6.00 per 100. —Cash.—

C. L. HOWE,

CARNATION SPECIALIST, Dover, N. H.

Mention the Review when you write.

BEGONIA GLOIRE DE LORRAINE

Strong, 2-inch pots.

\$15.00 per 100; \$140.00 per 1000

J. H. REBSTOCK, 586 Main Street, BUFFALO, N. Y.

Mention the Review when you write.

Asparagus Sprengeri!

2-inch pots.....	\$2.00 per 100
2 1/4-inch pots.....	2.50 "
3-inch pots.....	3.00 "

We prepay express charges and guarantee satisfaction.

LOOMIS FLORAL CO., - - LOOMIS, CAL.

Mention The Review when you write.

ORCHIDS..

Arrived in splendid condition a grand lot of Cattleya labiata; also C. Maxima. Write for prices.

Lager & Hurrell, Growers and Importers... Summit, N. J.

Mention Review when you write.

BULBS! BULBS!

Ex. Pearl Tuberose and Caladium Esc. Bulbs and Canna Roots. POPULAR VARIETIES

JOHN F. CROOM & BRO.,

GROWERS, MAGNOLIA, N. C.

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Awarded Honorable Mention.

THE CONSENSUS OF OPINION AT MILWAUKEE
WAS THAT OURS WAS —————

The Best Display

of Florists' Ribbons and Novelties in the hall.

LET US HAVE YOUR ORDER, large or small. We are
sure to please you.

S. S. PENNOCK,

Wholesale Commission Florist,

1612-18 Ludlow Street, PHILADELPHIA, PA.

Studer Offers:

Fine healthy plants ready for a shift. Ferns — Boston. from pots, better than from benches, need no nursing. 5-in., 40c; 7-in., 75c. *Lomaria Gibba*—Extra fine 4-in., 15c; 5-in., 30c; 6-in., 40c. *Davallioideus Furcans*—4-in., 20c; 5-in., 50c; 7-in., 75c. *Alsophila Australia*—Fine specimens, 11-in. pots, \$3.00 each; mixed ferns, 2½-in. pots, 3c. *Washingtoniensis*—7-in., \$1.00. Rubbers—5-in., 35c. Palms—*Latania*, 7-in., \$1.00. *Latanias*, Phoenix, *Caryota Urens*, *Chamaerops Excelsa*, ready for 4-inch pots, 6c.

Plants for fern pans, etc. *Selaginella*, *Asparagus Sprengeri*, *Sansevieria*, *Marantas*, *Carex Japonica*, *Cyperus Alternifolia*, *Anthuriums*, *Dieffenbachias*, *Alocasias*, etc., 3c to 5c.

FINE CUT ROSES—Brides, Maids, Ivory, Gates, 3c; Meteors, 5c; Beauties, 10c.

FIELD-GROWN ROSES:

30,000 ready in October. Hybrids, Hybrid Teas, Monthlys, Mosses, Climbers. Also any quantity of bedding stock, rooted cuttings. Of above I will exchange for field-grown carnations

10 per cent. discount per 100.
Cash with order.

N. STUDER, Anacostia, D. C.

Mention the Review when you write.

ALBERT M. HERR
LANCASTER, PA.

Carnations, Geraniums,
Smilax, Asparagus.

Correspondence Solicited.
Mention Review when you write.

JOLIET, ILL.—This city will have another flower show this fall. Those in charge of arrangements are Chas. Shepherd, F. S. Allen, Mrs. Jos. Frederick and James H. Ferriss.

NEW CROP Just Arrived

Cyclamen Persicum Giganteum

We have just received from our grower new crop seed of above; there is nothing choicer in quality than this stock. If you grow cyclamen you should secure your requirements at once.

We can furnish it in **Pure White, Rose, Blood Red and White with Carmine eye** at 75 cts. per 100 seeds, \$6.00 per 1000 seeds. **Finest mixed colors** 60 cts. per 100 seeds, \$5.00 per 1000 seeds. (250 seeds or more at 1000 rate.)

For other seasonable flower seeds and bulbs see our current wholesale list.

HENRY A. DREER, Phila.



CYCLAMEN PERSICUM GIGANTEUM.

IONIA POTTERY CO. FLOWER POTS

— IONIA, MICH. —

Write JNO. B. AMPHLETT, 6300 Jackson Park Avenue,
Mention the Review when you write. Resident CHICAGO Agent.

LOW PRICE! QUICK PROFIT! The Anna Foster Fern

Small 3 to 4 frond plants \$10 per 100. \$30 per 1000. Beautiful plants cut from bench at \$35, \$50 and \$75 per 100. Pot plants, 3-in., \$20 per 100; 6-in. \$1, 7-in. \$2, 8-in. \$3 each. 10,000 KENTIA PALMS. L. H. FOSTER, 45 King St., Dorchester, Mass.

SURPLUS STOCK.

Quality First-Class.
2200 3½-inch Maids, \$35.00 per 1000.
3500 2½-inch Mums, 20.00 per 1000, including Chadwick, Golden Wedding, Appleton, Willowbrook, Kalb and many others.
Liger, Richardson, 2½-in., strong, \$15.00 per 100.
POEHLMANN BROS. CO., Morton Grove, Ill.

THE RIBBON HOUSE

SCHLOSS BROS., 533 Broadway, NEW YORK

SPECIALTIES IN FLORISTS' RIBBONS, CHIFFONS AND NOVELTIES
Mention Review when you write.

Johnson & Stokes' Kingly Collection Pansies

Every up-to-date florist should sow this **MATCHLESS** strain. Pansy buyers want substance, perfection of form, immense flowers and diversity of color. They will find all these desirable features in **OUR KINGLY COLLECTION STRAIN**, which enjoys an international reputation for superb quality. 1000 seeds, 30c; 2000 seeds, 50c; 5000 seeds, \$1.00; per ounce, \$5.00.

JOHNSON & STOKES, 217 and 219 Market St., PHILADELPHIA, PA.

Mention The Review when you write.

Good Fortune Is the Chum of Opportunity.

This is your chance to lay in a stock of **Godfrey Aschmann's** tip-top **Araucaria Excelsa**. Do it now and they will help to fill your treasure box: they will be growing into money for you while you're asleep. We are headquarters for this great favorite among decorative plants. Our houses are full of choice April importations—no seedlings—raised in Belgium from top cuttings only. Here is my very lowest quotation. Who can beat such stock as I offer for the money?

5½-in., 3 to 4 tiers, 10 to 12 in. high....\$0.50 each
5½-in., 3 to 4 " 10 to 12 " very broad .60 "
5½-in., 3 to 4 " 13 to 15 " " .75 "
6-in., 4 to 5 " 16 to 19 " 80c, 90c, 1.00 "

Cycas Revoluta—(Sago Palm) very fine, 6 to 7-inch pots, from 3 to 4, 5, 6, 7 and 8 leaves, 10c per leaf.

Kentia Forsteriana—36 to 42 inches high, 5½-in. pots, 75c to \$1.00 each.

Ficus Elastica—Imported, 4-inch pots, 25c each; 6-inch, \$4.00 to \$5.00 per doz.

Boston Ferns—5-in. pots, 25c to 35c each; 6-inch, \$6.00 per doz.

Asparagus Plumosus—3-in., at the rate of \$10.00 per 100.

Adiantum Cuneatum (Maidenhair Fern)—4-inch, bushy, \$1.80 per doz.

Primula Chinenensis—4-in., for Xmas blooming, all colors, \$6.00 to \$7.00 per 100.

Begonia—Pres. Carnot, 4-inch, \$1.00 per doz. Vernon, 4-inch, in bloom, 75c per doz.

Azalea Indica—For Xmas blooming, Deutsche Perle, Simon Mardner, Vervaeckens, fine plants, pot-grown, for 40c, 50c and 75c each. Also for Easter blooming, 10 to 20 varieties, for 40c up to \$1.50 each.

Cash with order please. Goods travel at purchaser's risk only. Please state if with or without pots.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants,

1012 Ontario Street, **PHILADELPHIA.**

Mention the Review when you write.

Miscellaneous Greenhouse Stock

	Per 100
Acalypha Macafeeana.....	\$3.50
Strobilanthes Dyerianus, 75 cts. per doz.	5.00
Abutilons in var., \$20.00 per 1000.....	2.50
Pompon Chrysanthemums, 50 var., \$17.50 per 1000.....	2.00
Coleus, in var., \$17.50 per 1000.....	2.00
2½-in. pots, per 100	
Fuchsias, in variety.....	\$2.50
Hardy English Ivy, extra strong.....	2.00
Lemon Verbena.....	2.50
Sedum variegata.....	2.00
Smilax.....	2.00
Swainsona Alba.....	2.00
(Rooted Cuttings of Hardy English Ivy, 75c per 100; \$5.00 per 1000.)	
Send for trade list. Cash with order.	

R. VINCENT, Jr. & SON, White Marsh, Md.

WHEELING, W. VA.—Business is good. All the florists around here are either building new greenhouses or remodeling the old ones.

Wholesale Cut Flower Prices.

Philadelphia, Aug. 19.

	Per doz.
Beauties, Specials.....	\$ 2.50 to \$ 3.00
" Extra.....	1.00 to 1.50
" No. 1.....	.75
Queen of Edgely, Specials.....	2.50 to 3.00
" Seconds.....	1.00 to 1.50
" Thirds.....	.75
	Per 100
Brides and Maids, Specials.....	\$4.00 to \$6.00
" No. 2.....	2.00 to 3.00
Golden Gates, Firsts.....	4.00 to 6.00
" Seconds.....	2.00 to 3.00
Kaiserin, Firsts.....	6.00 to 8.00
" Seconds.....	2.00 to 4.00
Liberty, Firsts.....	6.00 to 10.00
" Seconds.....	2.00 to 5.00
Meteors, Firsts.....	4.00 to 6.00
" Seconds.....	2.00 to 3.00
La France, Firsts.....	4.00 to 6.00
" Seconds.....	2.00 to 3.00
Carnations, Commons.....	.50 to 1.00
" Selects, all colors.....	1.50 to 2.00
" Fancy.....	3.00 to 4.00
Adiantum Cuneatum.....	1.00
Asparagus plumosus, Strings.....	35.00 to 50.00
Sprenger's Sprays, per bunch, 35-50c	
Smilax.....	12.50 to 15.00
Cornflower.....	.20
Lilium Harrisii.....	8.00 to 12.50
Lilium Auratum.....	\$2.00 per doz.
Tiger Lilies.....	\$2.00 doz. stalks
Lily of the Valley.....	2.00 to 5.00
Double Petunias.....	.50 to 1.00
Sweet Peas.....	.20 to .40
Gladioli.....	2.00 to 3.00
Asters.....	1.00 to 2.00
Dahlias.....	1.50
Daisies, Yellow.....	1.00

We like your paper very much.—**HOFFMEISTER FLORAL Co., Cincinnati.**

The F. R. Williams Co.

Wholesale
Florists...

CLEVELAND, - OHIO.

THE E. G. HILL CO.

Wholesale
Florists,
RICHMOND, INDIANA.

....THE....

COTTAGE GARDENS

Wholesale Florists,
QUEENS, - L. I., N. Y.
Mention Review when you write.

EDWARD REID,
WHOLESALE FLORIST.

Carnations, Roses and Valley

1526 Banstead St., **PHILADELPHIA.**

Store closes at 8 p. m.
Long Distance Telephone.

Mention Review when you write.

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WHOLESALE FLORIST.

Asters, Dahlias and Gladiolus.

11 South 16th Street,

PHILADELPHIA, PA.

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WILLIAM J. BAKER,
WHOLESALE FLORIST,

Asters and Valley!

1432 South Philadelphia.

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C. A. DUNN & CO.
Wholesale Florists,

1516 Sansome St., **PHILADELPHIA.**

Roses and Carnations.

Consignments of Choice Stock Solicited.

Bell and Keystone Telephones.

Mention The Review when you write.

Maplewood Cut Flower and Plant Co. **GEO. M. KELLOGG, Pres.**

Growers of CUT FLOWERS at Wholesale.

Regular shipping orders given special attention. We have the largest plant west of Chicago.

Store: 906 Grand Ave., **KANSAS CITY, MO.**

Greenhouses: Pleasant Hill, Mo.

FOR SOUTHERN WILD SMILAX

(Where Quality is First Consideration.)

Write, Wire or Phone the introducers

Caldwell The Woodsman Co., Evergreen, Ala. or their agents: L. J. Kreshover, New York; J. B. Deamud, Chicago; H. Bayerdorfer & Co., Philadelphia; W. F. Kasting, Buffalo; J. M. McCullough's Sons, Cincinnati, Ohio; H. G. Berning, St. Louis, Mo.

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Peacock's
....Dahlias

For plants, bulbs or cut blooms. Address

W. P. PEACOCK,
Dahlia Specialist. **ATCO, N. J.**

Mention the Review when you write.

Smilax Seedlings,

50c per 100.

SAMUEL S. PENNOCK,
1612-18 Ludlow St., Philadelphia.

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Charles Millang, New York

We are headquarters
for every kind of Cut
Flowers in their season.

"THE LILY KING." Reasonable Prices.
Square Dealing
Out-of-town florists promptly attended
to. Telephone for what you want.
Tel. 2230 Madison Square.

Moore, Hentz & Nash Wholesale Florists.

55-57 W. 28th St.
NEW YORK CITY.
SHIPPING ON COMMISSION.
Tel. 2034 and 2239 Madison Square.

Established 1891.
Geo. E. Bradshaw. JOHN R. HARTMAN.
BRADSHAW & HARTMAN,
Wholesale Florists,
53 West 28th Street, NEW YORK.
Telephone 1239 Madison Square.
Consignments Solicited.
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JAMES McMANUS, Telephone 2200 Madison Square, 50 W. 30th St., NEW YORK
Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND.
ORCHIDS A SPECIALTY.
HEADQUARTERS FOR NOVELTIES

W. GHORMLEY,

WHOLESALE COMMISSION,

57 W. 28th Street, NEW YORK.

The largest commission house in America

for Roses, Violets and all other varieties of Cut Flowers.

My large shipping trade enables me to command the highest prices.

Telephone 2200 Madison Square,
which ring, connects you with all our TELEPHONES.

Mention the Review when you write.

THE PIONEER HOUSE
Open every day at 6 a. m.
J. K. ALLEN
WHOLESALE FLORIST,
106 W. 28th Street, New York City
We ship all over the United States. Consignments realize with
us the best market prices. Tel. 167 Madison Sq.

WALTER F. SHERIDAN,
Wholesale Commission Dealer in
CUT FLOWERS
39 West 28th St., NEW YORK.
(Established 1882)
Receiving Extra Quality American Beauties
and all other varieties of Roses.
Telephone 902 Madison Square. Carnations.

BONNOT BROS.
WHOLESALE FLORISTS,
55 and 57 W. 28th St., NEW YORK.
Cut Flower Exchange.
OPEN ALL DAY!
AN UNEQUALLED OUTLET FOR CONSIGNED FLOWERS.
Telephone No. 2436 Madison Sq.

JAMES A. HAMMOND,
Wholesale Commission Florist,
113 W. 30th St., NEW YORK CITY.
Tel. 854 Madison Sq.
Consignments receive conscientious and prompt
attention. Highest market price guaranteed.
The finest stock in the market always on hand.

SMILAX
Good healthy stock, 2-in., \$1.25 per 100; \$10 per 1000.
ASPARAGUS SPRENGER SEEDLINGS
Strong plants, \$1.00 per 100 prepaid.
S. A. NUTT GERANIUMS
2-inch, \$1.25 per 100. Give us your order; we'll
use you right.
E. I. Rawlings, Quakertown, Pa.
Mention the Review when you write.

**YOU WILL FIND ALL THE BEST
OFFERS ALL the time in the
Review's Classified Advs.**

Wholesale Cut Flower Prices.

New York, Aug. 19.

	Per 100
Beauties, Specials	\$10.00 to \$25.00
Extra	6.00 to 8.00
No. 1	2.00 to 8.00
Shorts	1.00 to 2.00
Queen of Edgely, Specials	10.00 to 20.00
Extra	6.00 to 8.00
No. 1	2.00 to 3.00
Brides and Maids, Specials	3.00 to 4.00
Extra	2.00 to 3.00
No. 1	1.00 to 2.00
No. 2	1.00
Liberty	5.00 to 10.00
Meteor	2.00 to 4.00
Cattleyas	40.00 to 60.00
Cypripediums	12.00
Dendrobium formosum	15.00 to 25.00
Laelias	10.00 to 40.00
Carnations, Common .....	.25 to .50
Selects .....	.50 to .75
Fancies .....	.75 to 1.00
Novelties	1.00 to 2.00
Asters... 100 bunches, \$2.00 to \$5.00	
Gladioli .....	.50 to 2.00
Mignonette .....	.50 to 1.00
Stocks, per 100 bunches, \$2 to \$3.	
Tuberose	2.00
Sweet Peas, per 100 bunches, \$1 to \$2	
Adiantum cuneatum .....	.25 to .35
Crowanum .....	.75 to 1.00
Asparagus plumosus, Strings	25.00 to 50.00
Sprenger's Sprays	1.00 to 2.00
Harrisii lilies	4.00 to 5.00
Valley	1.00 to 2.50
Smilax	8.00 to 12.00
Ferns, Common, per 1000, 75c.	
Fancy, per 1000, \$1.50.	

GALAX.

Brilliant Bronze, at 75c per 1000 in 2000 lots or more.

FERNS—Fancy, \$1.25 per 1000; Dagger, \$1.00 per 1000. **Green sheet Moss**—\$2.50 per bbl. sack. **Sphagnum Moss**—\$1.75 per large bale.

All kinds FLORISTS' SUPPLIES.

L. J. KRESHOVER, 110-112 W 27th St., New York
TEL. 597 MADISON SQUARE.

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DEARBORN ENGRAVING CO.,
300-306 Dearborn St., CHICAGO.

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Florists' Review
When Writing Advertisers.

JOHN YOUNG

Special American Beauties,
Surpassing Carnations,
Lily of the Valley, Orchids
and all seasonable flowers.

51 W. 28th St., NEW YORK.
Tel. 1905 Madison Sq.

Mention the Review when you write.

Young & Nugent 42 West 28th Street New York

Send for Quotations

Mention the Review when you write.

H. C. RIEDEL. F. D. SPICER.
Riedel & Spicer
Wholesale Florists,
Strictly Wholesale, 34 W. 29th Street,
Tel. 3039 Madison Sq. New York City.

The New York Cut Flower Co.
55 and 57 West 28th Street,
WHOLESALE FLORISTS.
Daily Reports. Weekly Payments.
Tel. 2239 Madison Sq. J. A. MILLANG,
2034 Madison Sq. Manager.

Mention the Review when you write.

FOLEY'S FLORAL FOTOGRAPHS

Send for my Floral Album, size 12x11, containing 24 different funeral designs. Sent to any part of the country by express, \$7.00 c. o. d.

226-226½ Bowery, NEW YORK.

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When Writing Advertisers.

TOP GRADE for SHIPPING

AMERICAN BEAUTY, BRIDESMAID, BRIDE,
LIBERTY, METEOR, LILY OF THE VALLEY, CARNATIONS.

JOHN I. RAYNOR, 49 WEST 28TH STREET, NEW YORK.
Telephone, 1998 Madison Square.

The Philadelphia Wholesale Flower Market.

Consignments of Double and Single Violets solicited.
We need them regularly and can make good returns.

—FINE—
BEAUTIES

OPEN FROM 7:00 A. M. TO 5:00 P. M.
SATURDAYS CLOSE AT 1:00 P. M.

1228 CHERRY STREET, PHILADELPHIA.

ALEX. J. GUTTMAN, Wholesale Florist.

All seasonable Flowers and Novelties at proper prices can be had at

52 West 29th Street, New York.
Telephone 1738 Madison.

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ESTABLISHED 1872.

John J. Perkins

WHOLESALE and COMMISSION FLORIST,

115 West 30th St., NEW YORK.

Telephone No. 956 Madison Sq.

WANTED a few more reliable growers of Carnations and Violets. Only first-class stock handled.

BRANCH STORE, 48 West 30th St., New York. R. W. PERKINS, Manager. Consignments Solicited. Quick returns to Shippers. Highest Market Prices Guaranteed.

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WM. SAMPSON,

Coogan Building, **WHOLESALE FLORIST.**
26th St. and 6th Ave.

With the New York Cut Flower Co.

Tel No. 2230 Madison. Consignments Solicited. Specialties, CARNATIONS and MIGNONETTE.

Mention Review when you write.

N. LECAKES & CO.

45 West 29th St., NEW YORK

Tel. No. 1314 Madison Sq.

and
53 W. 28th St.
(Basement)

Tel. 1797 Madison Sq.

Stands at Cut

Flower Exchange

Coogan Bldg., W.

26th St., and 34th Street Cut Flower Market.

SPECIALTIES

GALAX LEAVES, FERNS and LEUCOTHOE SPRAYS.

Mention Review when you write.

Wholesale Cut Flower Prices.

Buffalo, Aug. 19.

	Per 100
Beauties, Specials.....	\$20.00 to \$25.00
Extra.....	10.00 to 15.00
No. 1.....	5.00 to 8.00
Shorts.....	1.00 to 3.00
Brides and Maids, Extra.....	8.00
No. 1.....	3.00 to 4.00
No. 2.....	1.00 to 2.00
Carnot.....	2.00 to 3.00
Cosin.....	1.00 to 4.00
Golden Gate.....	1.00 to 5.00
Kaiserin.....	2.00 to 6.00
Liberty.....	1.00 to 8.00
Meteor.....	1.00 to 5.00
Mrs. Morgan.....	1.00 to 4.00
Perle.....	2.00 to 4.00
Sunrise.....	1.00 to 3.00
Carnations, Selects.....	1.00 to 2.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, Strings.....	40.00 to 50.00
Sprays.....	1.00 to 2.00
Sprengerl, Sprays.....	1.00 to 3.00
Asters.....	.25 to 2.00
Gladiol.....	.50 to 2.00
Lilium Auratum.....	8.00 to 10.00
Speciosum.....	2.00 to 5.00
Harrisii.....	15.00
Longiflorum.....	15.00
Lily of the Valley.....	2.00 to 4.00
Smilax.....	10.00 to 15.00
Sweet Peas.....	.25 to .40
Tuberose.....	.50 to 1.00
Water Lilies.....	.50 to 3.00
Galax.....	.10 to .15
Leucothoe.....	.50 to .75
Common Ferns.....	.10 to .15

Baltimore, Aug. 19.

	Per 100
Beauties, Shorts.....	\$3.00 to \$6.00
Brides and Maids, best offering....	2.00 to 4.00
Golden Gate.....	2.00 to 4.00
Kaiserin.....	2.00 to 4.00
Perle.....	2.00 to 3.00
White Cochet.....	1.50 to 3.00
Carnations, Commons.....	.50 to .75
Adiantum Cuneatum.....	1.00
Asparagus plumosus, Sprays.....	1.50 to 2.00
Sprengerl, Sprays.....	1.50 to 2.00
Asters.....	.25 to .50
Gladiol.....	2.00 to 3.00

General torpor marked the market last week up to Saturday, when there was some movement, due principally to one or two large funerals. Heavy rains continue, unfavorable to outside stuff. Asters are declining in quantity, the early crop being over. Gladiol are in great supply.

KOKOMO, IND.—Aaron Deardorff is adding two houses 100x20 each, the larger part of which will be devoted to growing lettuce.

IN OUR classified advs. you can find everything you want all the time.

FRANK H. TRAENDLY. CHARLES SCHENCK.

TRAENDLY & SCHENCK, Wholesale Florists

AND CUT FLOWER EXCHANGE

38 W. 28th St., NEW YORK

Telephones 798 and 799 Madison Square. CONSIGNMENTS SOLICITED.

Mention Review when you write.

Hicks & Crawbuck

Wholesale Florists,

108 Livingston Street, BROOKLYN, N. Y.

Tel. 3660-3661 Main.

Mention Review when you write.

PITTSBURG CUT FLOWER CO. Ltd

WHOLESALE
FLORISTS,

Pittsburg, Pa.

Mention The Review when you write.

We are head-quarters for **HARDY CUT FERNS!**

Fancy or Dagger, 50c per 1000. Contracts made to supply the year around. Use our **Laurel Festooning**. It's the best decorative material to be found. We make it fresh daily. 4c, 5c and 6c per yd. Bargains in **Galax**, A No. 1 quality, **Bronze** or **Green**, 75c per 1000 in 10,000 lots. **Mosses**, &c. Send us your wants and be well satisfied.



MILLINGTON, MASS.

Tel. Office, New Salem.

Long distance telephone connections.

Mention Review when you write.

CHESTER, PA.—Jennie L. Day has leased property on Cedar Lane and will build several greenhouses to grow cut flowers for the wholesale market.

National Florists' Board of Trade.

NEW MANAGEMENT.
PROMPT COLLECTIONS
AND PROMPT RETURNS.

Full information concerning all claims entrusted to us. Plenty of time to attend carefully to your interests. Satisfaction guaranteed. No delays. No neglect. No waiting.

NEW OFFICES, 56 FINE STREET,

Telephone 4573 John Street.

Rooms 601, 602, 603.

NEW YORK CITY.

HARRIS H. HAYDEN, Pres.

WM. A. MOORE, Vice-Pres.

JNO. E. WALKER, Sec. and Treas.

Mention The Review when you write.

Wholesale Cut Flower Prices.

Chicago, Aug. 19.

	Per doz.
Beauties, 124-inch stems.....	\$2.00 to \$2.50
" 20 " 	1.50
" 15 " 	1.25
" 12 " 	1.00
Shorts.....	.75
Bridesmaids, Specials.....	\$4.00 to \$6.00
Firsts.....	2.00 to 3.00
Seconds.....	1.00
Brides, Specials.....	4.00 to 6.00
Firsts.....	2.00 to 3.00
Seconds.....	1.00
Kaiserin.....	4.00 to 5.00
Liberty, Specials.....	8.00 to 10.00
Firsts.....	6.00 to 8.00
Seconds.....	3.00 to 5.00
Golden Gate, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Meteor, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Mme. Chatenay, Firsts.....	6.00 to 8.00
Seconds.....	3.00 to 5.00
Ivory, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Perles, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Carnations, Fancy.....	2.00
Commons.....	1.00 to 1.50
Gladioli.....	2.00 to 4.00
Asters.....	.50 to 1.50
Specials.....	2.00 to 3.00
Water Lilies.....	1.00
Auratum Lilies.....	\$1.00 to \$1.50 doz
Valley.....	3.00 to 5.00
Marguerites.....	.40 to .50
Adiantum cuneatum.....	.75 to 1.00
Asparagus plumosus, Strings.....	25.00 to 50.00
Sprays.....	2.00 to 3.00
Asparagus Sprengeri, Sprays.....	2.00 to 5.00
Smilax.....	\$1.25 per doz.
Common ferns, per 1000, \$1.25	
Galax Leaves, \$1.50 per 1000	

Boston, Aug. 19.

	Per 100.
Beauties, Specials.....	\$20.00
Extra.....	\$12.00 to 15.00
No. 1.....	8.00 to 10.00
Shorts.....	2.00 to 3.00
Brides and Bridesmaids, Specials.....	6.00 to 8.00
Extra.....	4.00
No. 1.....	2.00
No. 2.....	1.00
Carnot.....	2.00 to 10.00
Kaiserin.....	2.00 to 10.00
Liberty.....	1.00 to 10.00
Perle.....	1.00 to 2.00
Carnations, Common.....	1.00
Selects.....	2.00
Fair Maid.....	1.00 to 4.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, Strings.....	50.00
Sprays.....	1.00 to 2.00
Sprengeri, Sprays.....	1.00 to 3.00
Asters.....	.10 to 1.00
Callas, few.....	6.00 to 8.00
Lilium Auratum.....	6.00 to 8.00
Lancifolium.....	2.00 to 4.00
Lily of the Valley.....	2.00 to 4.00
Mignonette, Ordinary.....	1.00
Smilax.....	10.00
Sweet Peas.....	.10 to .15
Tuberose.....	4.00
Galax.....	.15
Common Ferns.....	.15

Pittsburg, Aug. 19.

	Per doz.
Beauties, Specials.....	\$2.50 to \$3.50
Extra.....	1.00 to 2.00
No. 1.....	.75 to 1.00
Brides and Maids, Special.....	\$1.00 to \$6.00
Kaiserin.....	2.00 to 6.00
Liberty.....	2.00 to 6.00
Meteor.....	2.00 to 4.00
Carnations, Commons.....	.50 to 1.50
Adiantum Cuneatum.....	.75 to 1.25
Asparagus plumosus, Strings.....	30.00 to 50.00
Sprengeri, Sprays.....	2.00 to 4.00
Asters.....	.50 to 1.50
Gladioli.....	1.00 to 4.00
Lilium Harrisii.....	8.00 to 12.00
Lily of the Valley.....	2.00 to 4.00
Smilax.....	10.00 to 12.00
Galax.....	\$1.25 per 1000
Common Ferns.....	.20

LOUISVILLE, Ky.—A small blaze was caused August 12 by the crossing of electric light wires in the store of Miss Alice Miller.

GREENPORT, N. Y.—I. M. Raynor has succeeded to the business of Mrs. S. H. Raynor.

E. H. HUNT

THE "OLD RELIABLE" FOR

**Wholesale
Cut Flowers**

Best's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

Mention Review when you write.

Bassett & Washburn

76 Wabash Ave., CHICAGO, ILL.

WHOLESALE GROWERS OF
AND DEALERS IN CUT FLOWERS

Greenhouses at Hinsdale, Ill.

Mention Review when you write.

A. L. RANDALL,**Wholesale Florist**Don't forget we are at
19 and 21 RANDOLPH ST., CHICAGO.

Write for special quotations on large orders.

Mention Review when you write.

J. A. BUDLONG

37-39 Randolph Street CHICAGO.

Roses and
Carnations
A Specialty.....WHOLESALE
GROWER OF**CUT FLOWERS****WIETOR BROS.**Wholesale
Growers of **Cut Flowers**All telegraph and telephone orders
given prompt attention.

51 Wabash Avenue, CHICAGO.

WEILAND - AND - RISCHCHICAGO'S RELIABLE WHOLESALE
GROWERS AND SHIPPERS OF...

CUT FLOWERS,

59 Wabash Avenue, CHICAGO.

SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS**Poehlmann Bros.**Wholesale
Growers of
and Dealers in **Cut Flowers.**All telegraph and telephone orders given prompt
attention. Greenhouses: Morton Grove, Ill.

35-37 Randolph Street, CHICAGO, ILL.

Mention Review when you write.

BENTHEY & CO.

35 Randolph Street, CHICAGO.

F. F. BENTHEY, Manager.

Wholesale and

Consignments Solicited.

Commission

FLORISTS

Mention Review when you write.

PETER REINBERG

Grower and Wholesaler of Cut Flowers

800,000 SQUARE FEET OF GLASS.
Headquarters for American Beauty.

51 Wabash Ave. CHICAGO, ILL.

JOHN MUNO,WHOLESALE
GROWER OF Cut Flowers.

51 Wabash Avenue, - - CHICAGO.

GREENHOUSES, ROGERS PARK, ILL.
Telephone Central 3598.**SINNER BROS.**Wholesale Growers and Shippers of **CUT FLOWERS**

59-60 WABASH AVE., CHICAGO, ILL.

With the Flower Telephone—
Growers' Co. Central 3087.
All telephone and telegraph orders
given prompt attention.

Mention Review when you write.

FRANK GARLAND,Wholesale
Grower of Cut Flowers,Special attention **FERNS.**
given to Hardy Cut

55-57 Wabash Avenue, CHICAGO, ILL.

Telephone Central 2384.

Mention Review when you write.

GEORGE REINBERG,

51 Wabash Ave., Chicago,

WHOLESALE DEALER IN AND
.....GROWER OF **CUT FLOWERS**Two Daily Shipments from my greenhouses.
Fresh Stock always ready for orders.

Write, Wire or Phone. Quick Service Gives.

Mention Review when you write.

Lily of the Valley**H. N. BRUNS,**

1409 W. Madison St., CHICAGO.

Mention Review when you write.

JOSEPH HEACOCK,

WYNCOTE, PA.

Grower of

Areca Lutescens, Kentia Belmoreana

and Kentia Forsteriana

Price list for the asking.

Mention Review when you write.

Michigan Cut Flower Exchange

WM. DILGER
Mgr.

WHOLESALE FLORISTS,

Full line of Florist and Greenhouse Supplies.

1 Million Galax, \$1.25 per 1000. Millions of Fancy Ferns, \$1.00 per 1000.

Write us your wants. Everything in season.

26 Miami Avenue, - - - Detroit, Mich.

Wholesale Cut Flower Prices.

St. Louis, Aug. 19.

	Per 100
Beauties, Specials.....	\$20.00 to \$30.00
Extra.....	15.00 to 25.00
No. 1.....	10.00 to 15.00
Shorts.....	2.00 to 3.00
Brides and Maids, Specials.....	4.00 to 5.00
Extra.....	3.00 to 4.00
No. 1.....	2.00 to 3.00
No. 2.....	1.00 to 2.00
Carnot.....	2.00 to 3.00
Golden Gates.....	2.00 to 3.00
Kaiserin.....	2.00 to 3.00
Liberty.....	3.00 to 4.00
Meteor.....	2.00 to 3.00
Perle.....	2.00 to 3.00
Sunrise.....	2.00 to 3.00
Carnations, Commons.....	.50 to 1.00
Selects.....	1.00 to 2.00
Fancies.....	1.50 to 2.00
Adiantum Cuneatum.....	.75 to 1.00
Adiantum Farleyense.....	1.00 to 1.50
Asparagus plumosus, Strings.....	50.00 to 75.00
Sprays.....	2.00
Sprengerl.....	2.00
Asters.....	.75 to 2.00
Gladioli.....	1.50 to 3.00
Lily of the Valley.....	3.00 to 4.00
Smilax.....	10.00 to 12.50
Tuberose.....	2.00 to 3.00
Galax.....	.15
Common Ferns.....	.15

OSKALOOSA, IOWA.

Death of W. E. Hearne.

William E. Hearne died of tuberculosis, at the home of W. E. Kemble, Tuesday, August 11, 1903.

Mr. Hearne had been ill for something more than a year. He sought relief by going to England and then California, but all to no avail. He returned to Oskaloosa this spring and was confined to his bed soon after.

Mr. Hearne was born in London, February 11, 1848. He came to this country with his parents when about fourteen years of age, residing with an uncle in New York. He came to Oskaloosa in 1885, and made his home here. He was an expert florist and was considered an authority on subjects pertaining to the work.

The deceased was widely known and was a prominent Mason as well as Elk. The Masonic order conducted the services.

Deceased is survived by his wife here and a sister living in London.

RANTOUL, ILL.—A 20-foot tower to support a 60-barrel water tank is being built on the Morris greenhouses. A hot air pump was recently installed.

MASON, MICH.—Jesse Beech is building an addition to his greenhouse on Maple street.

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.

Manufacturers of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.



H.G. Berning

WHOLESALE FLORIST.

1322 Pine Street,
ST. LOUIS, MO.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS.

MILWAUKEE, - WIS.



Rice Brothers

128 N. 6th Street,
MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Shippers of Choice Cut Flowers and Greens of all kinds. Give us a trial order.

Wm. Murphy,

Grower and Commission
Dealer in.....

Cut Flowers and Florists' Supplies,

Telephone Main 980.

130 E. 3d Street, CINCINNATI, OHIO.

Mention Review when you write.

J. M. McCULLOUGH'S SONS,

Seedsmen and
Wholesale Florists.

Consignments solicited. Special attention given to shipping orders.

316 Walnut Street, CINCINNATI, OHIO.

Lily of the Valley

of good quality always on hand.

AUGUST JURGENS,

134 to 144 Herndon St., CHICAGO.

Mention Review when you write.

Wholesale Cut Flower Prices.

Cincinnati, Aug. 19.

	Per 100
Beauties, No. 1.....	\$8.00 to \$15.00
Shorts.....	3.00 to 4.00
Brides and Maids, No. 1.....	4.00 to 5.00
No. 2.....	2.00 to 3.00
Golden Gates.....	2.00 to 4.00
Kaiserin.....	2.00 to 6.00
Meteor.....	2.00 to 4.00
Perle.....	2.00 to 3.00
Carnations, Commons.....	.50
Selects.....	.75 to 1.00
Fancies.....	1.50 to 2.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, Strings.....	35.00 to 50.00
Sprengerl, Sprays.....	2.00 to 4.00
Asters.....	.50 to 1.50
Dahlias.....	2.00 to 3.00
Daisies.....	.50
Gladioli.....	2.00 to 4.00
Lily of the Valley.....	3.00 to 4.00
Smilax.....	12.50 to 15.00
Tuberose.....	2.00 to 4.00
Common Ferns.....	\$1.50 per 1000 .15

BOSTON.

Everything plentiful but carnations and sweet peas, and no one seems to miss these very much with so great an overstock of roses, gladioli, asters, etc. There is some kind of a hitch in the red rose situation. Large local growers of American Beauties are out of them, but smaller producers seem able to supply the small demand. There are no good ones. Small Liberty roses are plentiful enough, but larger ones none too much so. Probably the hospital man at the market is as busy as anyone in connection with the business. He took time last Saturday to make an inventory of the asters entering the financial race at the Columbus avenue trade for that day. Forty-one thousand was the total. They did not all race for first money. Most of them ran for any old thing they could see!

"In time of peace prepare for war!" Also in time of heat prepare for cold. So it seems the flower market people believe and are now installing a heating plant in their ware room under the management of Iliffe, the veteran heatist from Somerville. It is a business-looking affair and advertises well for him.

There is quite a bit of heavy repairing going on among the florists and the Waban Rose people claim the record on putting up and planting a 700x40 house of American Beauties, now just finished, first rafter put up June 16 and roses going in July 27.

J. S. MANTER.

THE REVIEW is the best florists' paper for me.—C. H. HAYDEN, Dexter, Me.

LEADING RETAIL FLORISTS.

The following retail florists are prepared to fill orders from other florists for local delivery on the usual basis. If you wish to be represented under this heading now is the time to place your order.

ALEXANDER McCONNELL, 546 Fifth Avenue,
Cor. 45th St., N.W.
New York City.

Telegraphic orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Cable Address: **ALEXCONNELL.** Telephone Calls: 340 and 341 38th Street.
WESTERN UNION CODE.

ORDERS FOR....

CHICAGO

WILL BE FILLED BY

P. J. HAUSWIRTH,
227 Michigan Ave.
Auditorium Annex. Telephone Harrison 585.

David Clarke's Sons

2139-2141 Broadway,
Tel. 192 Riverside,

New York City.

Out-of-town orders for delivery in New York carefully and promptly filled at reasonable prices.

M.A. Bowe

1294 BROADWAY,

In the heart of NEW YORK CITY.

TEL. 2270 38TH ST.

OUR MOTTO—"THE GOLDEN RULE."

HAVE YOUR

RETAIL ORDERS

FILLED BY THE

GEO. WITTBOLD CO.,
1657-59 Buckingham Place, CHICAGO.

M. WEILAND,

602 Davis St., EVANSTON, ILL.

Suburb of Chicago.

Out-of-town orders of all kinds given careful and prompt attention.

Long distance phone, Evanston 56.

J. J. Beneke,

1220 Olive Street, ST. LOUIS, MO.

Mrs. Chas. Eickholt,

2319 AVENUE M, Galveston, Tex.

Shibeley The Florist,

311 BUTTER ST., SAN FRANCISCO, CAL.

Slevers & Boland,

25-27 Post Street, San Francisco, Cal.

Clarke Bros.

PORTLAND, ORE.

Siebrecht & Son,

409 5th Ave.

New York City,

Fill all orders for Florists
at current prices less the
usual discount. : : : :

A. WIEGAND & SONS,
FLORISTS,

1610 to 1620
N. Illinois St., Indianapolis, Ind.

A. GUDE & BRO.

1224 F Street, Northwest,

Washington, - D. C.

**The J. M. Gasser
Company,**

EUCLID
AVENUE, CLEVELAND, OHIO.

**John Breitmeyer's
Sons,**

Cor. MIAMI and GRATIOT AVES.
DETROIT, MICH.

WM. SCOTT,

Main and Balcom Sts.

Buffalo, N. Y.

U. J. VIRGIN,

838 Canal Street, NEW ORLEANS, LA.

S. B. Stewart,

119 No. 16th Street, OMAHA, NEB.

**Orders for
Philadelphia**

WILL BE FILLED BY

Century Flower Shop,

112 South 12th Street.

H. H. BATTLES, Proprietor.

**FRED C. WEBER,
FLORIST,**

4326-28 Olive Street, St. Louis, Mo.

ESTABLISHED 1873.

Long Distance Phone Lindell 196 M.

**The Park
Floral Co.**

J. A. VALENTINE, Pres. DENVER, Colo.

Orders for Chicago and Vicinity

WILL BE FILLED BY

A. LANGE,

Telephone Central 2522. 51 Monroe St., CHICAGO.

Orders for MINNESOTA or the North-
west will be properly executed by

AUG. S. SWANSON
ST. PAUL or MINNEAPOLIS.

**WILLIAM L. ROCK,
FLORIST,**

1116 Walnut St., Kansas City, Mo.

WATERTOWN, N. Y.—The personal property assets of the bankrupt firm of Greene & Underhill will be sold at public auction at 10 a. m., August 25.

and we manufacture, with special reference to Florists' work

RIBBONS

of superb luster, superior quality and colors to match or blend.

Conqueror *a Metallique Taffeta.*
No. 5 up to 80 in width.

Monarch *a Satin Taffeta.*
No. 2 up to 120 in width.

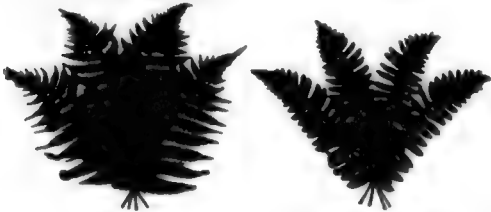
and should you desire an exceptional grade of a metallique Taffeta write for "Cyclone;" or an unusual quality of a Satin Taffeta, ask for "Imperial." **RIGHT RIBBONS** only are woven here, with prices below the usual, for you **SAVE ALL BETWEEN PROFITS** when you buy from

The Pine Tree Silk Mills Company Philadelphia

Office and Salesrooms
806-808-810 Arch Street

HARDY CUT FERNES.

Write for Prices.



FANCY

DAGGER

L. B. BRAGUE,

Oldest, largest and most reliable dealer in the U. S. **HINSDALE, MASS.**

Mention Review when you write.

YOU CAN PLANT AT ANY TIME ROSES FROM 4 AND 5-INCH POTS.

Crimson and Yellow Rambler, Coquette des Blanches, Clothilde Souper, etc., fine, clean plants 9c. Large flowered Clematis, finest purple, lavender, white and pink sorts, 2 year. from 5-inch pots, 18c; 1-year. from 3-inch, 9c. Clematis Paniculata, 2-year, from 5-inch pots, 10c; extra from 6-inch, 18c. Ampelopsis Veitchii, fine, from 5-inch, 15c; 4-inch, 10c; from 3-inch, 5c. Also fine young stock, this season's propagation—Large flowered Clematis, 3 1/4 inch, 6c. Clematis Paniculata, 3c. Amp. Veitchii 3c. Rooted cuttings, Hydrangea P. G., 2c. Weigella Rosea and variegated, 2c. Japan Goldleaf Honeysuckle, 2c. Packed free for cash.

W. H. SALTER, ROCHESTER, N. Y.

Mention the Review when you write.

PANDANUS VEITCHII,

6 to 8-inch pots. Write for prices.

JOHN WELSH YOUNG,
GERMANTOWN, PA.

Always mention the Florists' Review when writing advertisers.

Special Wheat Sheaf Announcement!

FOR THE MONTH OF AUGUST ONLY.

A deduction of 10% allowed on Sheaves from list price ordered by the dozen or more during the above month.

H. BAYERSDORFER & CO.

Importers and Manufacturers
of Florists' Supplies.

50-56 N. 4th Street,

Philadelphia, Pa.

New Catalogue on application.

Closing Out at Cash Bargain Prices.

CYCAS REVOLUTA STEMS,

1-2 to 3 lbs., 350 lbs. to the case. By the case, \$4.50 per 100 lbs. Less than case, \$6.00 per 100 lbs.

PRICES QUOTED ON YOUR ESTIMATE OF BULBS, HARDY ROSES, Etc., FOR FALL OR SPRING DELIVERY.

C. H. JOOSTEN, IMPORTER,
201 WEST STREET, New York.

HUGH GRAHAM

104 So. 13th Street, Philadelphia.

I am in a position to handle any orders for Philadelphia or vicinity, either large or small; would be pleased to have correspondence with the trade in general. Our facilities for handling orders, either for flowers or plants, are of the very best.

Always mention the Florists' Review when writing advertisers.

STEAM VS. HOT WATER.

We would like to ask a few questions through your paper, regarding a heating apparatus. Which is the more economical in fuel, steam or hot water? Which requires the more constant attention? We have five small houses, the boiler to be situated in a basement under one of these. The ground level of this house is higher than that of the other houses. Would not overhead mains to these lower houses be the better? What is the general opinion regarding overhead mains? Is it practical to use pipe as small as 1-inch, in small houses where a perfect circulation is insured providing we use a 4-inch flow and many 1-inch to serve as a sort of radiator, and again conducting the return in a 4-inch to the boiler?

KABER.

The relative cost of steam or water heat depends largely upon the extent and arrangement of the houses to be heated. Small to medium ranges of glass are economically heated, considering cost of fuel and labor, by water, and larger ranges by steam. Steam has the advantage of being more subject to the intelligent control of the grower than water, which is a point greatly in its favor, but as additional labor is entailed in the use of steam, the cost of which per square foot of greenhouse decreases in direct proportion as the extent of the houses increases, it will readily be seen that the advantage in the use of steam is greater on larger ranges. In the matter of fuel cost, that necessary for water heating is greater than for steam, but the cost of the extra labor necessary for steam heating brings the cost of both nearly to the same point, with the advantage on the side of steam that better control is obtained, and the service of the fireman as night watchman is secured without additional cost for this great advantage.

Regarding overhead mains, for water their necessity or advantage is dependent entirely upon the arrangement of the several houses of a range with relation to each other, but for steam the overhead main has in general marked advantage, but here again local conditions must be given consideration.

For water coils 1-inch pipes may be used if the coil is short and the circulation direct, but these conditions can only be found in short houses. For steam coils 1-inch pipe may be freely used in houses up to 200 feet long.

HENRY W. GIBBONS.

FOR SALE.
Carnation Plants.
A-1 Stock, Clean and Healthy.

2300 **MARQUIS**, \$4.00 per 100 or \$30.00 per 1000
500 **GOV. ROOSEVELT**, \$5.00 per 100.
200 **ADIANTUM CUNEATUM** good 3-year old clumps, at \$20.00 per 100.

CHAS. SCHWEIGERT,
NILES CENTER, ILL.
Mention the Review when you write.

There will be a Show of
GLADIOLI and DAHLIAS
At A. L. RANDALL'S,
19-21 Randolph St., Chicago, all day Friday, Aug. 21. Call and see them.
Michigan Seed Co., South Haven, Mich.
Mention the Review when you write.

The New

NEPHROLEPIS

...PIERSONI

The most valuable novelty introduced in years.
Fine, thrifty plants, \$30.00 per 100 ; \$250.00 per 1000.

John Scott,

Keap Street Greenhouses, BROOKLYN, N. Y.

L. Baumann & Co.

84 Wabash Ave., CHICAGO, ILL.

IMPORTERS AND MANUFACTURERS OF

Decorative Articles, Metallic and Artificial Funeral Designs.

FLORISTS' SUPPLIES.

Field-Grown

Carnation

...Plants

	Per 100	Per 1000
Flora Hill	\$5 00	\$40 00
White Cloud	5 00	40 00
Queen Louise	5 00	40 00
Norway	5 00	40 00
Prosperity	5 00	40 00
Guardian Angel	5 00	40 00
Joost	3 00	25 00
Marquis	3 00	25 00

The above named plants are strong and healthy.

GEO. REINBERG,

51 Wabash Ave., CHICAGO.

For gracious sake stop the chrysanthemum advertisement. I am having to return money for plants ordered every day. The first insertion cleaned out the entire lot, and we had a pretty good bunch of them.—B. P. CRITCHELL, Cincinnati, O.

PRIMROSES

IMPROVED CHINESE. Finest large-flowering fringed varieties grown, single and double named or mixed, ready for 8-inch pots. \$2.00 per 100. Extras added liberally.

CYCLAMEN GIGANTEUM. Finest mixed, strong 2½-inch, \$1.00 per 100.

XXX SEEDS

CHINESE PRIMROSE Finest grown, large flowering, fringed, single and double, 15 varieties, mxd., 500 seeds, \$1.00; half-pkt., 50 cts.

CINERARIA. Finest large-flowering, dwarf, mixed, 1000 seeds, 50 cts.

PRIMULA OBCONICA Grandiflora. The finest large-flowering, 1000 seeds, 50 cts.

DAISY. Double Giant, white and rose, mixed or separate, 1000 seeds, 25 cts.

GIANT PANSY SEED.

The best large-flowering varieties, critically selected, 5000 seeds, \$1.00; half-pkt., 50 cts.

500 seeds of Giant "Mme. Perret" added to every \$1.00 pkt. of Giant Pansy seed.

Cash. Liberal extra count of seeds in all packets.

JOHN F. RUPP, SHIREMANSTOWN, PA.

The Home of Primroses.

ROCHESTER, N. Y.—E. R. Frey made an assignment August 10, to Arthur A. Mosher. Assets and liabilities are not stated.

Convention Bargains

**Everything as
Represented or
Money Refunded**

ASPIDISTRAS Cheaper than they can be imported, 5 and 6 leaves, 5-in. pots, at \$2.25 per doz.; \$18.00 per 100.

ARAUCARIA EXCELSA Perfect beauties, 3 to 4 tiers, 5-in. pots, 10 to 12 inches high, at \$5.50 per doz.; \$42.50 per 100.

KENTIA BELMOREANA We have them from thumb pots at \$2.50 per 100, \$20.00 per 1000, up to noble specimens, in PERFECT CONDITION, 8-in. pots, 5 to 6 GOOD leaves, 2½ to 3 feet high, at \$1.75 each; \$20.00 per doz.

A postal will bring you one of our Catalogues of over 100 acres of Choice Nursery Stock.

LATANIA BORBONICA 5 to 7 leaves, 5-in. pots, at \$2.25 per doz.; \$18.00 per 100. This is very Special.

RUBBER PLANTS 4-in. pots, 7 to 9 leaves, fully established, perfect condition, \$2.50 per doz.; \$20.00 per 100.

ARECA LUTESCENS Special Offer—7-in. pots, 3 plants in pot, 30 to 32 inches high, \$10.00 per doz.; 8-in. pots, 3 to 4 plants in pot, 2½ to 3 feet high, at \$15.00 per doz. 10-in. pots 3 to 4 feet high, 5 and 6 plants in pot, \$4.00 each.

THADDEUS N. YATES & CO. Nurserymen and Florists Mt. Airy, Phila., Pa.

Mention the Review when you write.

LETTUCE FOR FORCING.

What are the best varieties of lettuce for winter forcing, also at what time should the seed be sown to insure a Christmas crop for market? What should be the temperature of the lettuce house?

W. S. H.

The best variety of lettuce to grow is the kind known as Boston Market. This is a leading lettuce, and is also known as the Belmont, Hothouse Forcing and other names, but they are all the same thing to all intents and purposes. There is a variety known as the Grand Rapids which is extensively grown in some sections, but it does not form a solid head, as does the Boston lettuce, and markets accustomed to the heading variety have no use for the Grand Rapids type.

Seed sown about the last week in September should produce a Christmas crop, as it takes twelve or thirteen weeks to mature a crop from seed. If a succession is desired all through the season, seed should be sown every week until February, and in order to keep the house full, plants should be grown along in flats ready to plant right into the bed as soon as the first crop is cut out.

The temperature of the house should be 40 degrees at night, though on bright days it may with advantage be run up to 65 or 70 degrees.

Lettuce growing presents no great difficulties to the beginner. When you water the bed, do the job thoroughly, so that the soil will get wet down to the bottom and do not practice overhead spraying. Use good, new loam and disease will not be troublesome. Some growers use quite a little fresh horse droppings in the soil after the first crop is gathered, claiming that it warms the soil and starts the new crop away quicker.

C. T.

SANTA CRUZ, CAL.—Geo. Butler & Son have purchased glass for an addition of 3,000 square feet to their present range of houses. W. E. King is rebuilding one house and is installing a new heating system.

I CANNOT do without the REVIEW, as it is the best guide as to where to buy stock, and if I have anything to sell I can't do better than to advertise in the REVIEW.—E. O'NEIL, Wheeling, W. Va.

In Critchell's advertisement the words "Cash please; satisfaction guaranteed," are omitted, but the combination always goes together with this house.



ONLY A FEW

WHO ARE NOT GROWING

St. David's Island

Harrisii

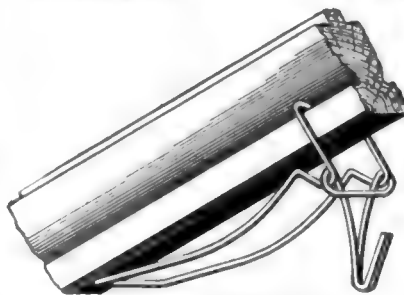
We Guarantee with proper growing 75 per cent. ENOUGH SAID.

5 to 7-in. healthy, clean, well shaped bulbs, 100, \$4.00
7 to 9-in. healthy, clean, well shaped bulbs, 100, 9.00
9 to 11-in. healthy, clean, well shaped bulbs, 100, 17.00

Wm. Elliott & Sons, New York.

Mention the Review when you write.

KOROPP'S GREENHOUSE HANGER.



PATENT APPLIED FOR.

Can be attached to any rafter or frame work. No nails, no screws, no injury to woodwork, no weakening of rafters. Easily attached and quickly removed. Will carry any size of flower pot; also basket or shelves.

PRICE: { \$1.25 per 25;
5.00 per 100;
50.00 per 1000.

FOR SALE BY ALL SEEDSMEN or order direct from the inventor and manufacturer.

LEOPOLD KOROPP,

252 West Ravenswood Park Avenue,
CHICAGO, ILL.

Mention Review when you write.

CARNATIONPLANTS

**4,000 Lawsons,
1,000 Queen Louise,**

Exceptionally choice field-grown plants.
Write for quotations.

Samuel S. Pennock, Philadelphia

Mention the Review when you write.

RUBBERS

**STRONG STOCK.
Well Established.**

Out of 4-inch pots, \$3.00 per doz.; \$25.00 per 100.

C. F. BAKER & SON, Utica, N. Y.

Mention Review when you write.

Before going home give "Jimmy" your order for the long
looked for scarlet carnation

CRUSADER...

and for the grand white

...RELIANCE

BY PLACING YOUR ORDER NOW YOU
CAN SECURE JANUARY DELIVERY.

Chicago Carnation Co.

JOLIET, ILLINOIS.

H. J. SMITH,

P. O. Box 181, Hinsdale, Mass.

Hardy Cut Fancy and Dagger

FERNS

Mosses, Laurel, Bouquet Evergreen, Festooning, Wreaths, Baled Spruce and Hemlock, Xmas Trees and Small Hemlocks for Hedges.

Mention the Review when you write.

Don't Miss This

If you wish to secure stock of the following superb bedders: S. A. Nutt (crimson), Alph. Ricard (scarlet), E. G. Hill, Beate Poitevine (salmons), Jean Viaud (pink), Mrs. E. Buchner (white). Strong plants from 2½-inch pots at rooted cuttings' prices — \$1.50 per 100; \$15.00 per 1000 Smilax, strong 2½-inch plants, \$1.25 per 100; \$10.00 per 1000.

NOTICE—This stock is guaranteed strictly first-class in every respect and WORTH TWICE THE MONEY.

THE W. T. BUCKLEY PLANT CO.
SPRINGFIELD, ILL.

Mention the Review when you write.

H. Bayersdorfer & Co.

FLORISTS' SUPPLIES,

50, 52, 54 and 56 North Fourth St.,
PHILADELPHIA, PA.

Mention the Review when you write.

ENJOY A PROFITABLE SEASON

By placing your order early to secure the best stock.

ADIANTUM CAPILLUS VENERIS.....2½-inch pots....\$4.00 per 100
IMBRICATA.....2½-inch pots.... 6.00 per 100

Both of these Adiantums are of the easiest culture.

ALYSSUM—Double.....2½-inch pots.... 3.00 per 100

ASPARAGUS COMORENSIS, extra strong, ready to shift.. 8-inch pots....10.00 per 100

" SPRENGERI.....2½-inch pots.... 4.00 per 100

" PLUMOSUS NANUS.....2½-inch pots.... 5.00 per 100

" TENUISSIMUS.....2½-inch pots.... 4.00 per 100

BEGONIA INCRANATA.....2½-inch pots.... 5.00 per 100

" MANICATA AUREA.....2½-inch pots.... 6.00 per 100

" REX.....8-inch pots.... 6.00 per 100

CYPERUS ALTERNIFOLIUS, fine stock.....2½-inch pots.... 3.00 per 100

POINSETTIA.....2½-inch pots.... 6.00 per 100

PRIMROSES—Chinese, white, light pink and red..... 8-inch pots.... 5.00 per 100

No better strain grown.

We still have a few thousand CHRYSANTHEMUMS for bench planting: \$2.50 per 100; \$20.00 per 1000—our selection.

Those interested in Field-Grown CARNATIONS, ASPARAGUS SPRENGERI and SMILAX, for fall planting, will be given full particulars and prices on application.

Nathan Smith & Son, Adrian, Mich.



CUT
Gladiolus
Spikes

UNTIL FROST

For prices write

CUSHMAN
GLADIOLUS CO.,
SYLVANIA, Ohio.

SULPHO-TOBACCO SOAP

COMBINES THE STRONGEST

TOBACCO EXTRACT
with Sulphur and Alkali. Never fails to

KILL BUGS AND INSECTS

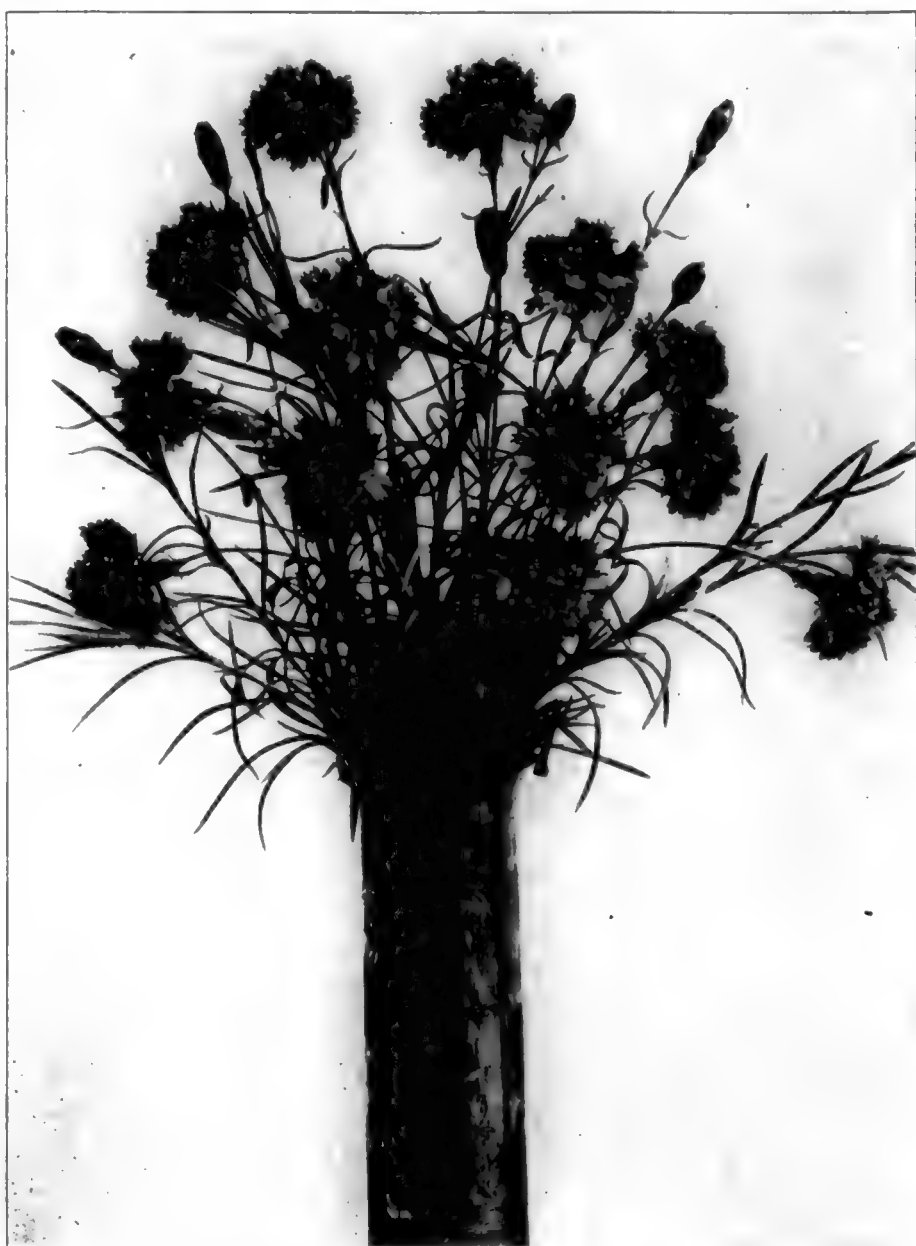
GREENHOUSE STOCK

kept healthy by using this popular Insecticide.
Satisfaction guaranteed. Prices low. Write
for sample cake.

Larkin Soap Co. BUFFALO, N.Y.

CARNATION

LOUISE NAUMANN



A most brilliant dark pink fringed variety. Tidal Wave color. Does not bleach the flower in hot weather or burst calyx in cloudy weather.

Flowers 3 to 3½ inches, stems stiff and wiry, 18 to 24 inches. Unsurpassing keeping qualities. Ideal sturdy habit and of a vigorous, free, clean growth. A prolific steady producer, a money maker, a No. 1 commercial variety. No florist should be without it. Has been admired by everyone that has seen it.

Ready January and February.

ROOTED CUTTINGS:

\$1.25 per dozen

\$8.00 per 100

\$70 00 per 1000

250 at 1000 rate

G. M. NAUMANN,

1537 Doan Street,

CLEVELAND, O.

What Mr. M. I. O'BRIEN, Sharon, Pa., states about Louise Naumann:

"The 25 plants you sent me last spring were planted in the field, receiving the same treatment as the rest of our plants, and Louise Naumann has proved itself to be a good grower, lifts well, is a pleasing shade of dark pink. Its blooming quality up to Scott and with us has been a first-class all-around carnation. A good keeper, and predict for it, if introduced to the trade, a future as bright as its color."

CLASSIFIED PLANT ADVERTISEMENTS.

Rates for advertisements under this head, 10 cents a line net, per insertion. New advs. and change must reach us by Wednesday morning at latest to secure proper classification in issue of Thursday.

ABUTILONS.

New abutilon Pink Beauty, novelty, 2½-in., \$4.00 per doz.
Ozone Park Nurseries, Ozone Park, L. I., N. Y.
Abutilons in variety, 2½-in., \$2.50 100; \$30.00 1000. R. Vincent, Jr., & Son, White Marsh, Md.

ACALYPHAS.

Acalypha Macafeeana, \$3.50 100.
R. Vincent, Jr. & Son, White Marsh, Md.

ALYSSUM.

2500 Giant dbl. alyssum, 3-in. pots, \$3.00 per 100; \$25.00 per 1000. Cash, please.
E. J. Cloud, L. B. 32, Avondale, Pa.
Alyssum, double, 2½-in. pots, \$3.00 100.
N. Smith & Son, Adrian, Mich.

AMPELOPSIS.

Ampelopsis Veitchii, strong seedlings, \$1.00 100. Cash.
Chas. B. Stahl, 27 So. 11th St., Philadelphia.
Ampelopsis Veitchii, 5-in., 15c; 4-in., 10c; 3-in., 5c. W. H. Salter, Rochester, N. Y.

ANEMONES.

Japan anemones in variety, including the superb novelty, Queen Charlotte.
ELLWANGER & BARRY, Rochester, N. Y.

ARAUCARIAS.

Araucaria excelsa, raised in Belgium from top cuttings only.

	Tiers.	High.	Each.
5½-in. pots	3 to 4	10 to 12 in.	50c
5½-in. pots	3 to 4	10 to 12 in.	60c
5½-in. pots	3 to 4	13 to 15 in.	75c
6 in. pots	4 to 5 tiers	16 to 19 inches high	80c, 90c and \$1.00 each.

GODFREY ASCHMANN, 1012 Ontario St., Philadelphia, Pa.

Araucaria excelsa, 2-in. pots, 2 tiers, \$16.00 100. A. imbricata, 2½-in. pots, strong plants, \$10.00 100.
F. LUDEMANN, 3041 Baker St., San Francisco, Cal.

Araucaria excelsa. We have a fine stock of this desirable plant in all sizes, from 75c to \$2.00 each; perfect tiers. Satisfaction guaranteed.
Ozone Park Nurseries, Ozone Park, L. I., N. Y.

Araucaria excelsa; perfect beauties, 3 to 4 tiers, 5-in. pots, 10 and 12-in. high, \$5.50 doz.; \$42.50 100.
T. N. Yates & Co., Mt. Airy, Phila., Pa.

ARBOR-VITÆ.

Biota aurea nana, 12-15 in. high, very compact, \$20.00 100; 18-20 in. high, very compact, \$30.00 100. Not less than 40 of a sort at 100 rates. P. J. BERCKMANS CO., Augusta, Ga.

ASPARAGUS.

Asparagus comorensis, 3-in. pots, \$10.00 100. Extra strong, ready to shift. A. Sprenger, 2½-in., \$4.00 100. A. plumosus nanus, 2½-in., \$5.00 100. A. tenuissimus, 2½-in., \$4.00 100.
Nathan Smith & Son, Adrian, Mich.

Asparagus Sprenger, our specialty. All strong plants. Per 100: 2½-in., \$3.00; 3-in., \$4.00; 4-in., \$8.00; 5-in., \$15.00; 6-in., \$30.00. Special price on large lots.
J. H. BORNHOEFT, Tipton, Ind.

Asparagus plumosus, from 4-in. pots, \$12.50 per 100. Asparagus Sprenger, from 3½-in. pots, \$6.00 per 100. Extra strong, \$8.00 per 100. Cash with order.
HENRY H. BARROWS & SON, Whitman, Mass.

Asparagus plumosus, 2-in., ready for 3-in., \$3.00 100. A. Sprenger, 2-in., \$2.00 100; 4-in., extra fine, \$6.00 10; 5-in., very large and fine, \$10.00 100.
N. P. COLBERG, Morris, Ill.

Asparagus plumosus nanus, strong 2½-in., \$3.00 100; \$25.00 1000. A. Sprenger, \$2.00 100; \$15.00 1000. Cash, please.
G. M. Naumann, Doan St., Cleveland, O.

Asparagus plumosus nanus, from flats, \$2.00 100; \$15.00 1000. prepaid. A. Sprenger, 2 and 2½-in., strong, \$2.00 100; 3-in., \$2.50 100.
Bell Conservatory Co., Sacramento, Cal.

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Geraniums in good variety; double and single, 2½-in., \$2.00 100. Scented—Nutmeg, Lemon, Oak-Leaved and variegated-leaved, \$3.00 100.
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	Inches high.	Size pots.	Char. leaves.	Per 100.
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Kentia Belmoreana...	18-20	4-in.	5	30.00
Kentia Belmoreana...	20-24	4-in.	6	50.00
Lantania Borbonica...	12-15	4-in.	2	15.00
Lantania Borbonica...	15	4-in.	3-4	20.00
Lantania Borbonica...	18-20	4-in.	5	30.00

Not less than 40 of a sort at 100 rate.

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Brides	3-in. 2.50
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Maids	3-in. 2.50
Meteors	3½-in. 2.50
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They are ready for 4-in. or benching. Cash or C. O. D. J. LOUIS LOOSE, Washington, D. C.

AMERICAN BEAUTIES, 3-in., \$6.00 100; \$50.00 1000. Also a few thousand GOLDEN GATES, 2½-in., \$2.50 100; \$20.00 1000, and IVORY, 2-in., \$3.00 100; \$25.00 1000.

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Brides 500 2½-in., \$3.50 100
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ROSE PLANTS, healthy and strong. Beauties, 3-in., \$6.00; 3½-in., \$8.00 per 100. Brides, 3-in., \$5.00; 4-in., \$7.00 100. Maids, 3-in., \$4.00 4-in., \$7.00 100. A. C. BROWN, Springfield, Ill.

Golden Gate roses, 400 3-in., at \$3.00 100 and 150 4-in., at \$3.50 100. Or will exchange. Park Side Greenhouses, 70th St. and Adams Ave., Chicago.

Rose plants. Fine healthy stock of Liberty, Maids and Beauties in 3-in., and a few hundred fine Beauties in 2½-in. Cheap. Write for prices.
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Roses, extra strong, American Beauty, 3½-in., \$10.00 100. Golden Gate, 3½-in., \$8.00 100.

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Ivory roses, 3-in., fine, \$4.00 per doz.
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Ficus elastica, clean, healthy stock; perfect leaves, 6-in. pots, \$40.00 per 100.

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Rubbers, 4-in. pots, 7 to 9 lvs., fully established, \$2.50 doz., \$20.00 100.

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ANT. C. ZVOLANEK, Grand View N. J.

XXX SEEDS. Chinese primrose, large-flowering, fringed, single and double; 15 varieties, mixed, 500 seeds, \$1.00; half pkt., 50c. Cinerarias, large-flowering, dwarf, mixed, 1000 seeds, 50c. Daisy, double giant, white and rose, mixed, 1000 seeds 25c. Giant pansy seed, large-flowering, critically selected, 5000 \$1.00; half pkt., 50c. 500 seeds of giant Mme. Perret added to every \$1.00 pkt. of giant pansy seed.
JOHN F. RUPP, Shiremanstown, Pa.

Hollyhocks, white and yellow. Double Sweet Williams. Hunt's auriculacifolia. Digitalis, 12 varieties mixed. Delphiniums, finest tall-growing. Primula acutula. Gold-laced polyarth. Lobelia cardinalis, finest of all border flowers. Begonia tuberous rooted, all colors mixed. Veronica serratifolia, fine blue. Gaillardia grandiflora. Trade packets, 10c.
CHAS. LONG, 277 Jefferson Av., Rochester, N.Y.

New crop CYCLAMEN PERSICUM GIGANTEUM seed just arrived. We can furnish it in pure white, rose, blood red and white with carmine eye, at 75c per 100 seeds, \$6.00 per 1000; finest mixed colors, 60c per 100 seeds, \$5.00 per 1000. 250 seeds or more at 1000 rate. For other reasonable flower seeds and bulbs see our current wholesale list.

H. A. DREER, 716 Chestnut St., Philadelphia.

Pansy seed, crop of 1903. BARNARD'S FLORISTS' MIXTURE is high grade, up-to-date and will give you pansies that will sell. Trade pkt., 25c; ¼-oz., \$1.00; ½-oz., \$3.75; oz., \$7.00. Giant Mixture, trade pkt., 25c; ¼-oz., 50c; oz., \$4.00.

W. W. BARNARD & CO., 161 Kinzie St., Chicago.

Palm seeds, just arrived from Australia; Areca Baueri, 25c 100; \$2.00 1000 seeds. Kentia Belmoreana and Forsteriana, 35c 100; \$2.50 1000 seeds. Pritchardia Seamanii, \$4.50 100 seeds. Erythea edulis, 75c 100; \$6.00 1000 seeds.
F. LUDEMANN, 3041 Baker St., San Francisco, Cal.

HONEST GOODS.

HONEST PRICES.

25 YEARS' RECORD.

Send for our new catalogue.

H. H. BERGER & CO., 47 Barclay St., N. Y.

Wholesale price list of seeds for florist and market gardeners.

W. Atlee Burpee & Co., Philadelphia, Pa.

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SEEDS—Continued.

New crop pansy seed of the famous JENNINGS' strain now ready. Large-flowering, finest colors in great variety. By mail, 3000 seeds, \$1.00; ½ pkt., 50c; 1 oz., \$5.00. Separate colors in blue, black, red, white and yellow, 50c pkt. Cash.

E. B. JENNINGS, Box 254, Southport, Conn.

MANICOBIA RUBBER TREE SEEDS.
(Ficus elastica.)

Limited shipment just received from Brazil—5 lbs., \$1.50 per lb.; 25 lbs., \$1.35 per lb. About 1,000 seeds to lb.

CHAS. W. JACOB & ALLISON, Raffle Importers, 18 Cedar St., New York.

Zirngiebel's giant pansies, Market and Fancy strains, are the finest grade this season that we ever sent out, when large size and colors are wanted.

New crop seed ready now. Trade pkt., of either strain, \$1.00 each.

DENYS ZIRNGIEBEL, Needham, Mass.

Pansy seed, superb mixed, ¼-oz., 75c; 1-oz., \$5.00. Cineraria dwarf, finest mixed, pkts., 50c and \$1.00. Cineraria, tall, finest mixed, pkts., 50c and \$1.00. Bellis perennis, giant red, white and pink, pkts., 25c; ¼-oz., 40c. W. G. Beckert, Allegheny, Pa.

FOTTLER'S ECLIPSE MIGNONETTE, finest strain ever offered. Greenhouse-grown seed in trade pkts. of about 2000 seeds, \$1.00. PANSY, special strain for florists, 50c trade pkt.; \$5.00 oz. Send for our trade catalogue.

SCHLEGEL & FOTTLER CO., Boston, Mass.

PANSY SEED. The most popular varieties from the best English, German and French growers. For varieties see displayed adv. in this issue.

JOHNSON & STOKES, 217-219 Market St., Philadelphia, Pa.

Cyclamen persicum grandiflorum, Primula obconica grandiflora and Primula sinensis, all fine pedigreed strains, \$1.00 per trade pkt.

WM. F. KASTING, Buffalo, N. Y.

Rawson's Arlington tested seeds for florists. Catalogue free.

W. W. RAWSON & CO., Boston, Mass.

New crop Burbank's Shasta daisy seed, from strong plants and 4½-in. blooms, 20c 100, \$1.50 1000. Reduction on large quantities.

The Knoll Nurseries, Penryn, Cal.

New crop seed of THORBURN'S superb pansy and Mme. Perret pansy now ready.

J. M. THORBURN & CO., 36 Cortlandt St., N. Y.

Pansy seed, Ne plus ultra, ready in August, \$4.00 oz.

Jos. H. Cunningham, Delaware, O.

Shasta daisy seed, trade pkt., 15c.

S. J. Galloway, Eaton, Ohio.

SELAGINELLAS.

Selaginella Emmelliana, fine 3-in. \$5.00 100. Wagner Park Conservatories, Sidney, O.

SMILAX.

Smilax, 3,000 extra strong, from 3-in. pots, \$2.50 per 100; \$20.00 per 1,000. Strong 2½-in., \$1.50 per 100. Satisfaction guaranteed. Cash with order.

OTTO KESER, Portland, Conn.

Smilax, 3000 strong 2½-in. pots, \$2.00 per 100, \$17.50 per 1000. Cash with order. H. P. Owen, Central Valley Greenhouses, Toughkenamon, Pa.

Smilax, 2-in., strong, twice cut back, \$2.50 100. From flats, transplanted and cut back as good as most 2-in., \$1.50 100.

N. P. COLBERG, Morris, Ill.

Smilax, 2-in., strong, cut back, \$9.00 1000; \$1.00 100. Cash. See displayed adv. in this issue.

R. Kilbourn, Clinton, N. Y.

Smilax, strong 2½-in., \$2.00 100, \$15.00 1000. 50 at 100 rate. Cash with order.

The Haskell Ave. Floral Co., Dallas, Tex.

Smilax, 2½-in., extra strong, cut back, \$2.00 100; 2-in., fine, \$1.50 100.

Geo. M. Brinkerhoff, Springfield, Ill.

2500 field-grown smilax, \$3.00 per 100; \$25.00 per 1000. Cash please.

E. J. Cloud, L. B. 32, Avondale, Pa.

Smilax, strong 2-in., at \$1.00 per 100. What have you to exchange?

W. A. Reiman, Vincennes, Ind.

Smilax, 700 strong, 2½ and 2-in., cut back, \$1.50 per 100. Cash.

M. M. Lathrop, Cortland, N. Y.

4,000 strong, healthy plants from 3-inch pots, \$3.00 per 100.

A. L. Brown & Son, Kearney, N. J.

Smilax; good healthy stock, 2-in., \$1.25 100; \$10.00 1000.

E. I. Rawlings, Quakertown, Pa.

Smilax, strong 2½-in., \$1.25 100; \$10.00 1000. Buckley Plant Co., Springfield, Ill.

Smilax, 2-in., 75c; 3-in., \$1.75 per 100.

Frank A. Norton, Ypsilanti, Mich.

2000 extra fine 3-in. smilax, \$2.50 100.

N. METZ, Dayton, Ohio.

Smilax, extra strong, \$2.00 per 100.

The Stafford Greenhouses, Marquette, Mich.

Smilax seedlings, 50 cents per 100.

S. S. Pennock, 1612 Lindlow St., Philadelphia.

Smilax, strong 2-in. \$1.25 per 100.

John Brod, Niles Center, Ill.

Smilax, 2½-in., \$1.25 per 100.

R. O. Henderson, Iola, Kan.

Smilax, \$20.00 per 1000.

Crabb & Hunter, Grand Rapids, Mich.

Smilax, \$2.00 100.

R. Vincent, Jr. & Son, White Marsh, Md.

STEVIAS.

Stevia, 2½-in. pots, 2½c each; 4-in. pots, 6c each. Var. stevia, 3-in. pots, 5c. Cash.

M. F. La Roche, Collingdale, Pa.

Stevia serrata, fine winter blooming; strong, bushy plants, from 4-in. pots, \$6.00 per 100.

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STRAWBERRY PLANTS.

75,000 pot-grown strawberry plants. If planted now will produce a full crop of large, luscious strawberries in 1904. We have these in stock in fifteen of the best varieties. Submit your list of wants for special low quotations.

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I have the finest line of POT-GROWN strawberry plants in the East; 15 of the best varieties, and the prices are right. Send for my list.

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Swainsona alba, 2½-in., \$2.00 100.

R. Vincent, Jr. & Son, White Marsh, Md.

SULTANAS.

White sultana, Platyapetala, flowers large, pure white, with red dot in the center. Now is the time to stock up for the coming season. IT SELLS. Strong plants, \$1.00 per doz.

N. O. CASWELL, Delavan, Ill.

UMBRELLA PLANTS.

Umbrella plants, 2-in., strong, selected, \$2.00 100; 6-in., 20c each; seed pkt., 25c. Cash.

Mayer & Son, Willow Street, Lancaster Co., Pa.

VEGETABLE PLANTS.

CABBAGE—Early and Late Flat Dutch, Savoy and other varieties, 25c per 100; \$1.00 per 1000.

CELERY—White Plume, Golden Heart, Giant Pascal and other varieties, 25c per 100; \$1.00 per 1000; \$8.50 per 10,000.

TOMATO—25c per 100; \$1.00 per 1000.

PARSLEY—25c per 100; \$1.25 per 1000.

Cash with order.

See our flower plant adv. in this issue.

R. VINCENT, JR. & SON, White Marsh, Md.

Celery plants, very strong. White Plume, Giant Pascal, Perfection and Golden Heart, \$1.00 1000; \$8.50 10,000. Same var. transplanted, \$2.00 1000. 200 bu. top onion sets; hardy, planted in Aug. and Sept. will produce eatable green onions on unprotected field in March and April next, \$1.00 per bu. Cash with order.

LUDWIG MOSBAEK, 85th St., nr. So. Chicago Ave., Chicago, Ill.

150,000 celery plants, cultivated and topped; strong. Giant Pascal, Golden Hearth, Schumacher, White Plume, Winter Queen and Maury Heart, 25c per 100; \$1.75 per 1000. Packed light. Send P. O. or Express Money Orders.

HORACE RIMBY, Collegeville, Pa.

Celery, strong, transplanted plants, well-hardened, \$2.00 1000; \$15.00 10,000; \$28.00 20,000. White Plume, Boston Market, Giant Pascal and Golden Self-blanching. Cash, please. Sample by mail 10c. See displayed adv. in this issue.

R. Kilbourn, Clinton, N. Y.

VERBENAS.

Lemon verbenas, 2½-in., \$2.50 100.

R. Vincent, Jr. & Son, White Marsh, Md.

VINCAS.

We are booking orders for field-grown vincas, Oct. and Nov. delivery, \$3.00 per 100. Cash.

Dann & Son, Westfield, N. Y.

Vinca major, extra strong, 2½ and 3-in., \$3.00 100.

N. P. Colberg, Morris, Ill.

Vinca major, 6-in., \$3.00 doz.

L. H. Foster, Dorchester, Mass.

500 vincas, 5c each.

David S. Beach, Bridgeport, Conn.

VIOLETS.

Princess of Wales and Lady Campbell violet plants, strong field-grown clumps from sand struck cuttings. Ready September 15, \$5.00 per 100; \$40.00 per 1,000. Samples, 10c.

Albert H. Brown Co., Westboro, Mass.

Violets Marie Louise, strong, healthy field-grown, \$2.00 100.

GEM NURSERY, Los Gatos, Cal.

15,000 Farquhar, Imperial and Marie Louise violets from 3-in. pots. All sand rooted from clean stock, Feb. and March struck. Ready the last of Aug. Booking orders now at \$3.00 per 100; \$30.00 per 1,000.

A. J. THOMPSON, 757 Campbell Ave., West Haven, Conn.

I have the largest and healthiest stock of PRINCESS OF WALES violets in the country. Am booking orders now for strong young plants at \$2.00 per 100; \$15.00 per 1000.

Wm. Sim, Cliftondale, Mass.

Violets, Marie Louise and Lady Campbell, good, strong, healthy plants, out of 3-in. pots carefully packed, \$3.00 per 100; \$25.00 per 1000. Cash with order.

GEO. H. BENEDICT, Yorkville, N. Y.

Marie Louise violets, strong, healthy plants, 3-in. pots, \$3.00 per 100. Cash, please. Carl Petersen, Stryker Ave. and Annapolis St., St. Paul, Minn.

Violets, Imperial, M. Louise and Campbell, 3-in., \$4.00 100; \$35.00 1000; Campbells, 2½-in., \$20.00 1000. Crabb & Hunter, Grand Rapids, Mich.

3000 Marie Louise violets, 2½-in. pots, \$20.00 per 1000. Healthy No. 1 plants ready for planting. Cash with order.

JOHN F. AUER, Sykesville, Md.

Violets, Marie Louise, clean and healthy in every particular, 3-in. pots, \$5.00 per 100. Cash with order.

WM. J. CHINNICK, Trenton, N. J.

Violets, Marie Louise, clean, healthy stock, out of 4-in. pots, \$5.00 per 100. Cash with order.

N. H. SHERWOOD, Southport, Conn.

Farquhar violets from pots and Princess of Wales from field; nice, clean stock at \$3.00 per 100.

Albert Hake, Manchester, Pa.

Violets Princess of Wales, fine plants, 2½-in., \$2.00 100; \$18.00 1000. Cash, please.

G. M. Naumann, Doan St., Cleveland, O.

Marie Louise violets, clean stock, ready to plant, \$2.00 per 100; \$15.00 per 1000.

JOHN B. RUDY, Elmira, N. Y.

Violets California, from 2½-in. pots, \$2.00 100; 3-in., \$3.50 100.

W. W. Stertzing, Maplewood Sta., St. Louis, Mo.

Violets Campbell, clean, field-grown, \$5.00 per 100.

W. G. Kroeber, Danbury, Conn.

California violets, 3-in., \$3.00 100.

S. M. Harbison, Danville, Ky.

TO EXCHANGE.

To Exchange—Will exchange Asparagus plumosus and Sprengeri, smilax, vincas, sword ferns, Adiantum cuneatum, all extra good plants, at prices as per classified advertisement in this number, for white carnation plants from field; must be good plants. Have also Belgian hares; old and young.

N. P. COLBERG, Morris, Ill.

To Exchange—200 Cressbrook carnation plants from field, for same number of good white, red, or can use some yellow; also have three or four hundred Lawson, good plants, that I would exchange for white. Write me what you have.

D. C. Noble, Columbia City, Ind.

To Exchange—Latania borbonica, fine stock, 3-in., showing one to two character leaves, for good plants of Mrs. Lawson, Hill and White Cloud carnations.

Critchell's, Avondale, Cincinnati, O.

To Exchange—Fine, healthy stock of Ethel Crocker, America, Marquis, Frances Joost and other varieties for good Flora Hill.

C. C. Wonneman, Mexico, Mo.

To Exchange—What have you to exchange for strong 2-in. smilax at \$1.00 100?

W. A. Reiman, Vincennes, Ind.

CANE STAKES

Japan bamboo cane stakes, 6-ft. long, 1000 in bundle, \$5.50; 2000 in bundle, \$10.00; 3000 in bundle, \$13.25; 5000 in bundle, \$21.00; 10000 in bundle, \$37.50.

H. H. BERGER & CO., 47 Barclay St., N. Y.

CUT FLOWER BOXES.

Hunt's LIBERTY Folding Boxes are PURE WHITE, almost waterproof and stronger than any other box on the market. Send for sample. Price no higher than the "cheap-looking" boxes usually sold.

E. H. HUNT, 76-78 Wabash Ave., Chicago.

CUT FLOWER BOXES, the best, strongest and neatest folding cut flower box made.

Livingston Seed Co., Box 104, Columbus, O.

Our box sells on its merits.

Send for sample.

C. C. POLLWORTH CO., Milwaukee, Wis.

Florists' Boxes, The J. W. Sefton Mfg. Co. 241-247 S. Jefferson St., Chicago.

DECORATIVE MATERIAL.

Oldest dealer in the United States in hard cut fancy and dagger ferns. Write for prices.

L. B. BRAGUE, Hinsdale, Mass.

Galax, ferns and leucothoe sprays are our specialties.

N. Lecakes & Co., 53 W. 28th St., N. Y.

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Fancy and dagger ferns, laurel festooning, ground pine, sphagnum moss, etc.
Crowl Fern Co., Millington, Mass.

Fancy and dagger ferns, laurel festooning, leucothoe sprays, bouquet green, etc.
H. M. Robinson & Co., 11 Province St., Boston.

Leucothoe sprays, fancy ferns, green sheet moss, sphagnum moss, etc.
L. J. Kreshover, 110 W. 27th St., N. Y.

Fancy and dagger ferns, evergreens, etc. Good stock, low prices.
A. J. Fellouris, 468 Sixth Ave., New York.

For southern wild smilax write
Caldwell The Woodsman Co., Evergreen, Ala.

EVERYTHING FOR FLORISTS.

Write for quotations on your wants to
E. F. WINTERSON CO.,
45, 47, 49 Wabash Ave., Chicago.

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Pure pulverized sheep manure and unleached hardwood ashes. Send for sample and price.
J. L. Elliott, South Bethlehem, Pa.

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Wax Flowers and Wax Floral Designs.
J. Stern & Co., 1928 Germantown Ave., Phila.

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Galax, bronze or green, and small green galax for violets.
L. J. Kreshover, 110 West 27th St., N. Y.

GALAX LEAVES, Bronze or green.
A. J. Fellouris, 468 Sixth Ave., New York.

GALAX LEAVES, green or bronze.
N. Leakes & Co., 53 W. 28th St., New York.

GALAX LEAVES, green or bronze.
Crowl Fern Co., Millington, Mass.

GALAX LEAVES, green or bronze.
H. M. Robinson & Co., 11 Province St., Boston.

GLASS, ETC.

We make a special greenhouse putty. Price on application. Lord & Burnham Co., Irvington-on-Hudson, N. Y.

Florists' Specialties in Glass, Paint and Putty. Instructive advertising free for the asking.
Write JOHN LUCAS & Co., Philadelphia, Pa.

Importers and jobbers of greenhouse glass.
WHEELER-STENZEL CO.,
30 Sudbury St., Boston, Mass.

Greenhouse glass, paint and putty are our specialties.
Casper Limbach, Pittsburg, Pa.

Greenhouse glass a specialty. Sprague, Smith Co., 207-209 Randolph St., Chicago.

Greenhouse glass and putty a specialty.
C. S. Weber & Co., 10 Dearbrosses St., N. Y.

GLAZING POINTS.

Siebert's zinc "Never-rust" glazing points. Sold by all seedsmen, or C. T. Siebert, Pittsburg, Pa.

The "Model" glazing point. Zinc. Practical. Durable.
Parker Bruen Mfg. Co., Harrison, N. J.

The Florists' Manual, by William Scott, is a whole library on Commercial Floriculture.

HOSE.

Bull-dog hose, 7 ply, guaranteed; 3/4-in., 16c ft.
U. Cutler Ryerson, Newark, N. J.

Good Hose. J. G. & A. Esler, Saddle River, N. J.

INSECTICIDES.

Use SULPHO-TOBACCO SOAP and have clean, healthy plants. Sample free cake if you mention The Florists' Review.
LARKIN SOAP CO., Buffalo, N. Y.

Tobacco dust, fresh stock, \$1.75 100 lbs.; stems about 100-lb. bales, 1c per lb.
W. W. Barnard & Co., 161 Kinzie St., Chicago.

SURE CURE WASH for all insect life and mildew, etc., on roses, orange trees, etc. Trade pkt. by mail, 25c.
GEM NURSERY, Los Gatos, Cal.

Send for a 5-lb. trial pkg. of our TOBACCO POWDER. Our booklet tells of it. Write Dept. D for it.
H. A. Stoothoff Co., 116 West St., New York.

Rose Leaf Extract of Tobacco will save you money. For free booklet write KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

NICOTINIC kills all greenhouse pests.
Sold by all seedsmen.

POTS

Standard Flower Pots. If your greenhouses are within 500 miles of the Capital, write us; we can save you money. W. H. Ernest, 28th and M Sts., N. E., Washington, D. C.

Flower Pots. Before buying write us for prices. Geo. Keller & Son, 301-303 Herndon St. (near Wrightwood Ave.), Chicago.

Standard Pots. We are now ready to supply a superior quality of pots in unlimited quantities. Catalogues and price lists furnished on application.

A. H. Hews & Co., North Cambridge, Mass.

RED POTS. STANDARD SIZE.
SYRACUSE POTTERY CO., Syracuse, N. Y.

Those RED pots. The right kind.
C. C. POLLWORTH CO., Milwaukee, Wis.

Red pots. Write for prices and sample pot.
Colesburg Pottery Co., Colesburg, Iowa.

PAINT AND PUTTY.

TWEMLOW'S OLD ENGLISH GLAZING PUTTY. An old article when goods were made for quality, not cheapness. It lasts a lifetime and is the best article today for all greenhouse glazing. Makes a firm, lasting bed for glass, unaffected by heat or cold. No leaky sash-bars when this is used.

1-gallon can (16 lbs.).....\$ 1.25
5-gallon can 5.90
10-gallon can 12.00
20-gallon can 23.00
E. H. HUNT, 76-78 Wabash Ave., Chicago.

SPHAGNUM MOSS.

Sphagnum moss of first quality. Can ship at a moment's notice—2 bales, \$1.50; 10-bale lots, \$6.00. Z. K. JEWETT & CO., Sparta, Wis.

Sphagnum moss. Write for prices on large quantities. Crowl Fern Co., Millington, Mass.

Sphagnum moss, selected, 5-bbl. bale, \$2.25.
U. Cutler Ryerson, Newark, N. J.

Sphagnum moss. Write for prices.
H. M. Robinson & Co., 11 Province St., Boston.

TIN FOIL.

American brand FLORIST FOIL—The standard foil of America.
John J. Crooke Co., 155 Ave. D, New York.

The CHEAPEST way, the EASIEST way, and the BEST way to get rid of that surplus stock is to use the REVIEW'S classified ads.

TOOTHPICKS.

Wired toothpicks, 10,000, \$1.50; 50,000, \$6.25. Sample free. For sale by dealers.

W. J. COWEE, Berlin, N. Y.

Wired toothpicks, box of 10,000, \$1.50.
W. W. Barnard & Co., 161 Kinzie St., Chicago.

WIRE SUPPORTS.

Model Extension carnation supports and galvanized rose stakes. Parker-Bruen Mfg. Co., 208 Jersey St., Harrison, N. J.

Model Extension carnation supports; also galvanized rose stakes and tying wires.
Igoe Bros., 226 North 9th St., Brooklyn, N. Y.

WIRE WORK.

Galvanized stakes. No. 9 straight wire. Per 1000: 3-ft., \$6.75; 3 1/2-ft., \$8.00; 4-ft., \$8.50; 5-ft., \$12.00. No less than 1000 sold. Write for prices on 10,000 and 50,000 lots.
W. W. Coles, Kokomo, Ind.

Galvanized wire plant stakes at rock-bottom prices. N. F. McCarthy & Co., 84 Hawley St., Boston, Mass.

We are the largest manufacturers of wire work in the west. E. F. Winterison Co.,
45, 47, 49 Wabash Ave., Chicago.

We are manufacturers — no middleman's profits.
C. C. POLLWORTH CO., Milwaukee, Wis.

Emil Steffens, Manufacturer of Florists' Wire Designs. 335 East 21st St., New York.

Reed & Keller, 122 W. 25th St., New York.
Manufacturers of Wire Designs.

E. H. Hunt, 76-78 Wabash Ave., Chicago.

CLEVELAND.

Business for the past week has been fine in all lines and almost everything sent in has found a ready sale. On August 15 occurred the funeral of one of our leading bankers, and both Gasser and Smith & Fetter had orders for many large and beautiful designs. On Monday the funeral of another banker gave these same firms all they could possibly handle.

J. M. Gasser started last Friday for Milwaukee, and will visit New Castle and Chicago before his return. The Milwaukee delegation from here was a good one.

Everyone is busy planting carnations and staking or tying rose plants. E.

LIBERTY, IND.—W. N. Tharp is putting a new boiler in his greenhouse.

LOUISVILLE, Ky.—Solomon Pontrich is building a greenhouse at his place on Twenty-eighth street.

HAMMOND, IND.—The Peter Schutz flower store is being remodeled, a new front being put in the building.

PHILADELPHIA, Pa.—Godfrey Aschmann, 1012 Ontario street, sailed on Wednesday, the 19th, for Europe. He goes to inspect stock and will visit all the principal growers.



Don't You Forget SIEBERT'S ZINC NEVER RUST GLAZING POINTS

are positively the best. Last forever. Over 9000 lbs. now in use.

A sure preventive of glass slipping. Effective on large or small glass. Easy to drive, easy to extract.

Two sizes, 3/4 and 1/2, 40c a lb.; by mail, 10c extra; 7 lbs. for \$2.50; 15 lbs.

for \$5.00, by express. For Sale by
Vaughan's Seed Store, Chicago & New York
Henry F. Michell.....Philadelphia
Weeber & Don.....New York
Livingston Seed Co.....Columbus, Ohio
Schlegel & Fottler.....Boston, Mass.
J. M. McCullough's Sons.....Cincinnati, Ohio
Stumpp & Walter Co.....New York
Baker & Richards.....Seattle, Wash.
W. C. Beckert.....Allegheny, Pa.
Pittsburg Cut Flower Co.....Pittsburg, Pa.
Ingalls Bros.....Brooklyn, N. Y.
Elder & Tuttle Co.....Springfield, Ohio
Jones Hardware Co.....Richmond, Ind.
Chas. T. Siebert.....Pittsburg, Pa.

KIND WORDS NEVER DIE.

Bellevue, Pa.
Chas. T. Siebert:—Please book my order for 100 lbs. of Zinc Never Rust Glazing Points. I have used five different kinds in the past 12 years, and none of them gave me satisfaction like yours. They will stay in, are easy to drive, no rights or lefts, will hold the glass in place, and do not rust away like all others I have used. Your Zinc Points are easy to take out when making repairs. I have used about 100 lbs. of your Zinc Points in the last two years, and am perfectly satisfied with them.

Yours truly,
F. BURKI,

Cleveland, Ohio.
Chas. T. Siebert:—In our 25 years' experience with glazing points of all kinds, I can say your zinc points are the best to date.

CHAS. H. WILSON,
Mgr. for Grant-Wilson Floral Co.

Lockland, Ohio.
Chas. T. Siebert:—I must say the Zinc Points have given great satisfaction. I have over 100 lbs. on my houses, and feel justified in stating that they are the best point on the market.

Yours respectfully,
W. K. PARTRIDGE, Florist.

Glenfield, Pa.
Chas. T. Siebert:—I take pleasure in expressing satisfaction in using your Zinc Glazing Points. They have outlasted all others used, therefore are better and cheaper. Their merit should result in extended sales. Sincerely yours,
THEO. F. BECKERT, Florist.

Fort Wayne, Ind.
Charles T. Siebert:—I can truthfully say your Zinc Points are the best I ever used. They are easily driven and withdrawn and are stiff. Being straight on one side they can be driven accurately; consequently the breakage of glass is very small. I have some in use four years and they are still in their place as good as new.

W. S. ROEBECK.

Springfield, Ohio.
Chas. T. Siebert:—You no doubt know by the 229 lbs. of Zinc Points we have ordered from you that we consider them the best on the market. We have four new houses under way, each 255 feet in length, and will soon have to place our order with you for quite a lot of more glazing points. We are, very truly,
THE GOOD & REESE CO.,
The Largest Rose Growers in the World.

PLEASE MENTION THE REVIEW WHEN WRITING ANY OF THESE ADVERTISERS.

BEGONIA LORRAINE,

2¼-inch pots, \$15.00 per 100; \$140.00 per 1000.

Orchids

Just Received: *Oncidium Varicosum*,
Oncidium Barbatum.

PALMS for FLORISTS

Kentias, Latanias, Livistonas, Arecas, Phoenix,
Rhaps, Dracaenas, Crotons, Boston Ferns, Etc.

Julius Roehrs, Rutherford,
New Jersey.

Everything now ready for prompt shipment of STOCK for FALL Trade. Our Exhibition at the Milwaukee Convention indicates the superior value of the plants we grow. Write for catalogue and send for sample shipment.

CANADIAN HORTICULTURAL ASSOCIATION.

The Canadian Horticultural Association meets in annual convention at St. George's Hall, Toronto, at 10:30 a. m., September 2. The morning session will be devoted to addresses of welcome, reports of officers and other business, including appointment of judges of the trade exhibition, which is to be staged at the Fruit building at the Industrial Exposition, George H. Mills being superintendent. At the afternoon session a paper on floral decorations will be read by H. G. Dilleuth, Toronto, and one on public parks by A. Gibb, Montreal. On Wednesday the visitors will be the guests of the Steele-Briggs Co. at luncheon. In the evening there will be papers on greenhouse construction by R. W. King, Toronto, and on the advantages of modern construction, by F. R. Pierson, Tarrytown, N. Y. On Thursday officers will be elected and unfinished business disposed of, the balance of the time being spent at the exposition.

GLENVIEW, ILL.—The Glenview Floral Company is building five houses 14x100 for carnations for the Chicago market. The houses are raised six feet from the ground on 4x4 posts and the space underneath is just the thing for chicken raising, which is an important part of the business.

SPRINGFIELD, ILL.—George M. Brinkerhoff is visiting at Philadelphia but expects to be at home by the end of the month.

I COULD not get along without the REVIEW.—WM. HIGH, Purcell, I. T.

MICHELL'S Giant Exhibition.

A Special Strain of Giant Pansies.

PANSIES Nothing in this country can compare with them in size, texture and brilliancy of coloring. Grow them once and you will grow no others. **NEW CROP SEED**, per trade pkt., 50c; per ¼ oz., 75c; per oz., \$1.00.

Michell's Grandiflora Prize

The Finest Strain of Cineraria in existence and not to be compared with the ordinary Cineraria Hybrida. We have been awarded prizes for our strain wherever exhibited. **NEW CROP SEED**. Medium Tall Prize Mixed, per trade pkt., \$1.00; per ¼ trade pkt., 60c. Dwarf Prize Mixed, per trade pkt., \$1.00; ¼ trade pkt., 60c.

Allen's Defiance

Extra long spikes, deliciously fragrant. **MIGNONETTE** New Crop Seed, indoor grown, original full size pkt., \$1.00; ¼ size pkt., 50c. **MICHELL'S SPECIAL STRAIN** of out door grown seed, per trade pkt., 20c; oz., 50c.

MICHELL'S SEED HOUSE

GROWERS and IMPORTERS,
1018 Market Street, PHILADELPHIA, PA.
Bulbs Now Ready, send for catalogue.

WE OFFER A BEAUTIFUL STOCK OF

Kentia Belmoreana—	In. high.	Size Pots.	Char. Leaves.	Per 100
12-15	8-in.	5		\$18.00
18-20	4-in.	5		30.00
20-24	4-in.	5		50.00
Latania Borbonica—				
12-15	4-in.	2		15.00
15	4-in.	3-4		20.00
18-20	4-in.	5		30.00
Biota Aurea Nana—				
12-15	Very compact,			20.00
18-20				30.00
Cedrus Deodara—				
15-18	Very shapely,			25.00
20-24				30.00
Oranges— Best sorts, grafted on Citrus trifoliata, bearing sizes.				
12 in.	4 in. pots, bushy			20.00
15-18 in.	4-in. pots,			30.00
Kumquats—				
10-12 in.	4-in. pots,			20.00
Exochorda Grandiflora—				
18-24 in.	Very bushy, transpl.			8 00
3-4 ft.	Heavy.			10 00
Hydrangea Rosea, Thos. Hogg, etc.				
Strong field-grown, well branched.				
12-18 in.				8 00
24-36 in.				12 00

(Not less than 40 of a sort sold at 100 rate.)

We also offer an immense stock of ornamental trees, shrubs, conifers, azaleas, camellias, and other stock suitable for landscape work.

No Disease or Insects on our Stock. Catalogues sent on application.

P. J. BERCKMANS COMPANY, (Inc.)
Fruitland Nurseries,
AUGUSTA, GA.

Mention The Review when you write.

Galvanized Stakes

No. 9 STRAIGHT WIRE.
3 feet\$6.75 per 1000 4 feet....\$8.50 per 1000
3½ feet... 8.00 5 feet....12.00
No less than 1000 lots sold. Write for prices for 10,000 to 50,000 lots.

W. W. COLES, KOKOMO, IND.

Did you see samples of our stock at the Convention Exhibition?
The particularly Fine Condition of Our

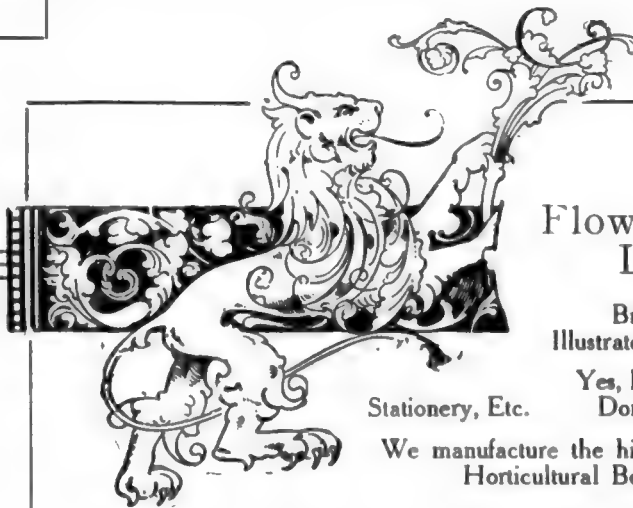
Palms, Pandanuses Crotons and Cyclamens

brought forth favorable comment from all and
judging from orders received, prices were right.

ROBT. CRAIG & SON,
49th and Market Sts., Philadelphia.

KERWIN BROTHERS

850
CAXTON
BUILDING
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Flower Price
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Yes, Everything
Done Well

Stationery, Etc.

We manufacture the highest grade of
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Printers · Engravers · Designers

BALL'S PALMS, etc.

The choicest stock. Strong, hardy and handsome. Perfect in every respect.

DON'T FORGET TO PLACE YOUR ORDERS EARLY. IT IS IMPORTANT.

ARECA LUTESCENS. 2½-in. pots at \$6.00, 3-in. at \$10.00 per 100. "Made-up" 3 strong plants, 4-in. at 25c, 5 and 6-in. at 50c, 6-inch at 75c and \$1.00, 8-in. at \$2.00 and \$3.00, 10-inch at \$5.00 and \$7.50 each.

KENTIA BELMOREANA. 2½-in. pots at \$12.00, 3-in. at \$15.00 and \$20.00 per 100, 4-in. at 30c and 40c, 5-in. at 75c, 6-in. at \$1.00 and \$1.25, 8-inch at \$2.00. "Made-up" 3 strong plants, bushy and handsome, 7-in. at \$1.50, 8-in. at \$2.00 and \$3.00, 9-in. at \$4.00, 10-in. at \$5.00, \$7.50 and \$10.00 each.

KENTIA FORSTERIANA. 2½-in. pots at \$12.00, 3-in. at \$15.00 and \$20.00 per 100, 4-in. at 30c and 40c. "Made-up" 3 strong plants, 6-in. at \$1.00 and \$1.50, 8-in. at \$2.00 and \$3.00, 12-in., very bushy and heavy, \$15 to \$20 each.

LATANIA BORBONICA. 2½-in. pots at \$4.00, 3-in. at \$5.00 per 100, 4-in. at 25c, 6-in. at 50c and 75c, 8-in. at \$1.50. "Made-up" 3 plants, 8-in. at \$1.50 each.

ARAUCARIA EXCELSA. At 50c, 60c, 75c, \$1.00 and \$1.25 each.

PANDANUS VEITCHII, DRACAENA TERMINALIS, D. SANDERIANA, FICUS ELASTICA, COCOS WEDDELIANA, LIVISTONA ROTUNDIFOLIA, ETC.

DESCRIPTIVE PRICE LIST ON APPLICATION.

CHAS. D. BALL, Holmesburg, Phila., Pa.

Mention Review when you write.

SAN FRANCISCO.

The Market.

Business has been quiet during the past week. A few weddings and some funeral work is all we have had to console us.

Flowers are coming in somewhat more plentiful, and carnations and roses are in much better color and form than for the last few weeks. Asters are here in big supply and of splendid quality. The whites, light pink and purple are most in demand and bring from \$1 to \$2 per hundred wholesale. Semple's Branching is the variety almost entirely cultivated in this section and the quality is fully up to those of last year. Sweet peas are still fairly plentiful, but the stems are getting shorter all the time. Double dahlias and gladioli still assist in making the florists' windows attractive. Plenty of Lilium album and roseum are in the market and they are very decorative flowers. Their seasons last about two months. They are sold by the growers at \$1 to \$2 per dozen stems, according to quality.

Notes.

Geo. C. Roeding, of Fresno, chief of the department of horticulture for California at the St. Louis exposition, has sent out circulars to all the nurserymen and wholesale florists inviting exhibits to adorn our state building and grounds at the coming fair.

John Young of the Dwight Way nursery is taking a well earned vacation of a couple of weeks.

Wm. Kohler, successor to Chas. Haselbacher, has just finished remodeling three of his large rose houses. His place is in excellent condition. He has five houses devoted to roses, seven to carnations and two to Maidenhair ferns and asparagus.

ELLWANGER & BARRY, Rochester, are sending out two new hardy Rambler roses, Leuchtstern, single, bright rose, with distinct white eye like a cineraria, and Rubin, resembling Crimson Rambler but having larger flowers of a deep red or ruby color.

Winter Flowering Roses.

Fine healthy stock from selected cuttings. Sunrise, American Beauty, La France, 3-in pots, \$7.00 per 100.

Brides, Maids, Golden Gates, Meteors, Safrano, Bon Silene, Mme. Hoste, Papa Gontier, 3-in. pots, \$5.00 per 100.

GRAFTED ROSES. Fine bushy plants in 3½ and 4-in. pots.

Liberty, Ivory, \$15.00 per 100. Brides, Maids, Golden Gates, Kaiserin, \$12.00 per 100.

J. L. DILLON, BLOOMSBURG, PA.

Mention Review when you write.

Winter Flowering SWEET PEAS

Seed for forcing only.

ZVOLANEK'S CHRISTMAS—PINK.
FLORENCE DENZER—PURE WHITE.

Price—One pkt., 75c; 1 lb., \$3.50, mailed free. Not less than 75c worth will be sold. Sold only in my original packet, with directions.

Stock seed of this variety is carefully selected in my greenhouses from stems over 14 inches long. These two varieties, if sowed the first part of September, will bloom for Christmas. When planted in December, after latest mums, will bloom in February. New crop ready middle of August. Orders booked now and filled in rotation.

ANT. C. ZVOLANEK,
GRAND VIEW, N. J.

Money Orders: Somerville, N. J.

Mention the Review when you write.

Field-Grown Carnations

HEALTHY, NO STEM-ROT.

Glacier, Crane, Joost..... \$4.00 per 100.

H. F. Piggott, S. Brooklyn, O.

Mention The Review when you write

GLADIOLI BY THE MILLION.

Lilies, Peonies, Clematis Paniculata, Oxalis, Dahlias, Asparagus, Rhubarb, Shrubs, Shade Trees, etc.
PRICE LIST FREE.

E. Y. TEAS, - Centerville, Ind.

Mention the Review when you write.

BEAUTY

Plants from 3-inch pots, \$6 per 100; \$50 per 1000. Also a few thousand

GOLDEN GATE, 2½-inch, \$2.50 per 100; \$20 per 1000.

IVORY, 2-in., \$3 per 100; \$25 per 1000.

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG,
51 Wabash Ave., Chicago.

Mention the Review when you write.

It will pay you to work up a stock of

TREGO

The best Semi-double Scarlet Geranium to date. Strong, 2½-inch pots, \$8.00 per 100.

S. S. SKIDELSKY,
708 N. 16th St., PHILADELPHIA.

Mention the Review when you write.

GRAND RAPIDS VIOLET STOCK.

Imperial, M. Louise and Campbell, 3-in. pots. \$4.00 per 100; \$35.00 per 1000. Campbell, 2½-in. pots, \$3.00 per 1000

Chrysanthemums, \$20.00 per 1000.
Roses, Ivory, 3-in., fine, \$4.00 per 100.
Smilax, \$20.00 per 1000.

Crabb & Hunter, Grand Rapids, Mich.

Mention the Review when you write.

DREER'S SPECIAL OFFER OF KENTIAS

We have this season OVER TWO ACRES OF GREENHOUSE SPACE FILLED WITH KENTIAS, the plants are clean, vigorous, thrifty and of a good, dark color. The plants are all of exceptional good value.



KENTIA BELMOREANA.				Per doz.	Per 100	Per 1000
2 1/4-in. pots.....	4 leaves.....	8 to 10 in. high.....		\$1.25	\$10.00	\$90.00
3 " " " " " "	5 " " " " " "	12 to 15 " " " " " "		2.00	15.00	140.00
4 " " " " " "	5 to 6 " " " " " "	15 to 18 " " " " " "		4.50	35.00	325.00
5 " " " " " "	5 to 6 " " " " " "	18 to 20 " " " " " "		7.50	60.00	
5 " " " " " "	5 to 6 " " " " " "	20 to 24 " " " " " "		9.00	70.00	
6 " " " " " "	6 " " " " " "	20 to 22 " " " " " "				Each \$1.00
6 " " " " " "	6 " " " " " "	23 to 30 " " " " " "				1.25
6 " " " " " "	6 to 7 " " " " " "	30 to 36 " " " " " "				1.50
7 " " " " " "	6 to 7 " " " " " "	30 to 36 " " " " " "				2.00
8 " " " " " "	6 to 7 " " " " " "	38 to 42 " " " " " "				2.50
8 " " " " " "	6 to 7 " " " " " "	42 " " " " " "				3.50
8 " " " " " "	6 to 7 " " " " " "	42 " " " " " "				4.00
9 " " " " " "	6 to 7 " " " " " "	42 to 48 " " " " " "				5.00

KENTIA FORSTERIANA.				Per doz.	Per 100	Per 1000
2 1/4-in. pots.....	4 leaves.....	8 to 10 in. high.....		\$1.25	\$10.00	\$90.00
3 " " " " " "	5 " " " " " "	12 to 15 " " " " " "		2.00	15.00	140.00
4 " " " " " "	5 to 6 " " " " " "	15 to 18 " " " " " "		4.50	35.00	325.00
5 " " " " " "	5 to 6 " " " " " "	18 to 20 " " " " " "		7.50	60.00	
6 " " " " " "	6 " " " " " "	23 to 30 " " " " " "				Each \$1.00
6 " " " " " "	6 " " " " " "	30 to 32 " " " " " "				1.25
6 " " " " " "	6 " " " " " "	32 to 36 " " " " " "				1.50
7 " " " " " "	6 " " " " " "	36 " " " " " "				2.00
8 " " " " " "	6 " " " " " "	42 " " " " " "				2.50
8 " " " " " "	6 to 7 " " " " " "	42 " " " " " "				3.00
8 " " " " " "	6 to 7 " " " " " "	4 ft. high.....				4.00
8 " " " " " "	6 to 7 " " " " " "	4 to 4 1/2 " " " " " "				5.00
9 " " " " " "	6 " " " " " "	5 1/2 to 6 " " " " " "				6.00
10 " " " " " "	6 to 7 " " " " " "	6 1/2 to 6 " " " " " "				7.50
10 " " " " " "	6 to 7 " " " " " "	5 " " " " " "				10.00
10 " " " " " "	6 to 7 " " " " " "	6 " " " " " "				12.50
12 in. tubs, 6 to 7 " " " " " "	6 to 7 " " " " " "	6 " " " " " "				20.00
12 " " " " " "	6 to 7 " " " " " "	7 to 8 " " " " " "				25.00

MADE-UP KENTIA FORSTERIANA.

All of these are extra good value.

4-in. pots, 4 plants in a pot, 15 to 18 inches high, pretty stock for retailing, \$4.50 per doz., \$35.00 per 100.

5-in. pots, 4 plants in a pot.....	each, 60c; per doz., \$6.00
8 " " 2 to 3 plants in a pot.....	4 ft. high.....each, 2.50
10 " " 3 " " " " " " " " " " " "	3 1/2 " " " " " " " " " " " "
10 " " 4 " " " " " " " " " " " "	4 " " " " " " " " " " " "
9-in. tubs, 3 " " " " " " " " " " " "	4 1/2 " " " " " " " " " " " "
12-in. pots, 3 to 4 " " " " " " " " " " " "	5 1/2 to 6 " " " " " " " " " " " "
10-in. tubs, 3 " " " " " " " " " " " "	6 " " " " " " " " " " " "
12 " " 3 " " " " " " " " " " " "	7 " " " " " " " " " " " "

KENTIA MACARTHURI.

3-in. pots, 15 inches high.....	each, 25c; per doz., \$2.50
4 " " 18 " " " " " " " " " " " "	35c; " " " " " " " " " " " "
6 " " 30 " " " " " " " " " " " "	each, 1.50

KENTIA SANDERIANA.

A comparatively new Palm which, when it becomes more plentiful and can be sold at a lower price, will become a popular standard variety on account of its graceful habit of growth.

3-in. pots, 15 inches high.....	each, \$.50
6 " " 24 " " " " " " " " " " " "	2.50
4 " " 3 plants in a pot, 16 to 18 inches high.....	1.25

For a complete list of PALMS and other DECORATIVE STOCK, also BULBS and SEASONABLE FLOWER SEEDS, see our current Wholesale List.

HENRY A. DREER, - - PHILADELPHIA, PA.

Mention the Review when you write.

Beach the Florist Leads Why not buy Direct.

Peris, Meteors, Maids, Brides and Gals, on own roots, this year's stock at 6c and 8c a piece. 500 Brides and 3000 Maids, two years old, at 10c straight. Orders taken for Carnations; state your wants by application.

10,000 Geraniums, all kinds and colors, 5c straight	
500 Vincas.....	5c
1000 E. Ivy.....	10c
500 Cannas.....	6c
200 Caladiums.....	8c
1000 Fuchsias.....	8c
Leading Mums, in pots or out.....	\$5.00 per 100

Two Windmills, Corcoran make, 12 ft. and 16 ft., mostly new. 600-bbl. Cedar Tank, one No. 15 Hitchings' Boiler and 300 ft. of 1 1/2 and 2-in. pipe, ready to set up. Correspondence solicited.

Country Printing Press, prints 2 sheets, large size, weight 2 tons, power by hand or electricity.

David S. Beach, Box 253, Bridgeport, Conn.

Mention the Review when you write.

Calla Bulbs Now Ready. They are Fine this Year.

1 to 1 1/4 in. diameter.....	\$3.50 per 100; \$30.00 per 1000
1-in. diameter.....	2.50 " " 20.00 "

F. O. B. YOUR CITY.

California Carnation Co., L. Box 103. Loomis, Cal.

Mention Review when you write.

Primroses. Asparagus.

Chinese, 2-in. pots.....	\$2.00 per 100	Sprengeri, ready August 15....	\$2.00 per 100
Obconica, alba and rosea.....	2.00 "	Plumosus Nanus.....	2.50 "
Forbesi, "Baby".....	2.00 "	Narcissus, paper white grandifl., Sept. 1.....	1.00 "
Fancy Seed, Ne plus ultra, August.....	4.00 per oz.		

CASH, PLEASE.

JOS. H. CUNNINGHAM, - - Delaware, Ohio.

Mention The Review when you write.

Primroses....

Nice strong plants from 2 1/4-in. pots, best varieties.

Chinese.....	\$2.50 per 100; \$20.00 per 1000
Obconica - Alba and Rosea, \$2.50 per 100; \$20.00 per 1000. Cash.	

OECHSLIN BROS., 1688 West Madison St. CHICAGO.

Mention the Review when you write.

Yellow Eaton

Rooted cuttings, 20c each; \$2.00 per doz.

OTTO BOURDY, LOWELL, MASS.

Pansies The Jennings Strain.

New crop seed now ready. Large flowering, finest colors, in great variety. By mail, 3000 seed, \$1.00; 1/2-pkt., 50c; 1 oz., \$5.00; 2 oz., \$9.00; 3 oz., \$12.00. Separate colors in blue, black, red, white and yellow, 50c pkt. Cash with order.

E. B. JENNINGS,

Lock Box 254. SOUTHPORT, CON'

Grower of the Finest Pansies.

Mention Review when you write

1000 Poinsettia

1-year-old, 4-inch, \$12.00 per 100.

Asplenium Tenuensis,

1000, \$4.00 per 100.

JOHN BREITMEYER'S SONS, Detroit, Mich.

Mention the Review when you write.

Fine Rose Stock!

3-INCH POTS.

PROPAGATED FROM SELECTED STOCK.

Meteor, Bridesmaid, Golden Gate, Ivory, Perle, will close out at \$4.00 per 100.

C. C. POLLWORTH CO., Milwaukee, Wis.

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Golden Gate Roses

Thrifty plants from 2 1/2-inch pots, \$2.00 per 100; \$17.50 per 1000.

WM. B. SANDS,

LAKE ROLAND, BALTIMORE, MD.

SURPLUS STOCK.

3400 3 1/2-inch Maids, fine goods....	per 1000, \$40.00
600 2 1/2-inch Perles.....	" 35.00
500 3 1/2-inch Golden Gates.....	" 40.00
200 3 1/2-inch Ivory.....	" 45.00
3000 Stevia, 3 1/2-inch.....	" 40.00
500 Stevia, 2 1/2-inch.....	" 20.00
Liger & Richardson Mums, new, 2 1/2-inch.....	per 100, 15.00

POEHLMANN BROS. CO., Morton Grove, Ill.

Mention the Review when you write.

Brides and Maids

Strong plants, 3-inch pots, \$5.00 per 100.

Charles E. Meehan Secum & Musgrove Sts. Germantown, Pa.

WANTED.

To exchange *Lantana borbonica*, fine stock, 8-inch, showing one or two character leaves, for good, strong plants of Carnations Mrs. Lawson, Flora Hill and White Cloud.

"CRITCHELL'S,"

Avondale, Cincinnati, Ohio.

BOSTON AND PIERSONI FERNS

Ready and Fall Delivery.

All sizes 2 1/2, 3, 4, 5, 6, 7, 8 and 10-in. Also Sprenger and Plumous, Roses and Ferns.

Write GEO. A. KUHL, PEKIN, ILL.

Mention the Review when you write.

Pierson Fern September Delivery

2 1/2 and 2 3/4-in....\$25.00 per 100; \$112.50 per 500
Boston, 2 1/2-in... 5.00 per 100; 22.50 per 500
READY NOW—Maranta Makoyana, 8-inch, \$25.00 per 100.

CHAS. H. CAMPBELL, 3601 Germantown Ave., Philadelphia.

Mention the Review when you write.

POINSETTIAS.

From 2 1/2-inch pots.....	\$7.00 per 100
From 3-inch pots.....	10.00 per 100

ASPARAGUS SPRENGERI

Strong transplanted from flats.....\$1.50 per 100

Strong from 6-in. pots..\$1.75 per doz.; \$12.50 per 100

VIOLETS, CALIFORNIA

From 2 1/2-in. pots.....\$2.00 per 100

From 3-in. pots..... 3.50 per 100

W. W. Stertzling, Maplewood Sts., St. Louis, Mo.

Mention the Review when you write.

FIELD-GROWN CARNATION PLANTS.

It has been a good growing season and plants are in fine shape, strong and bushy.

Mrs. Thos. W. Lawson..	\$6 00	\$50 00	Mrs. Inc	\$4 00	\$35 00
Guardian Angel	4 00	35 00	Flora Hill.....	5 00	40 00
Mrs. Frances Joost	3 00	25 00	Dorothy	6 00	50 00
Genevieve Lord.....	3 00	25 00	Mrs. Nelson.....	6 00	50 00
Triumph	4 00	35 00	Prosperity	8 00	75 00
Mrs. Higinbotham.....	5 00	40 00	Norway	5 00	40 00
G. H. Crane	5 00	40 00	White Cloud.....	5 00	40 00
Mrs. Potter Palmer	4 00	35 00	Mrs. Geo. M. Bradt.....	5 00	40 00
Chicago	5 00	40 00			

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG, 51 Wabash Ave., CHICAGO.

Mention the Review when you write.

Carnations! Carnations!

The Best Field-Grown Stock. Every One a Choice Selected Plant.

	Per 100	Per 1000		Per 100	Per 1000
Gov. Wolcott.....	\$8.00	.....	Glacier.....	\$5.00	\$40.00
Mrs. Higinbotham.....	5.00	.....	Mrs. Frances Joost.....	4.00	30.00
Geo. H. Crane.....	5.00	\$40.00	America.....	4.00	30.00
Flora Hill.....	5.00	40.00	Jubilee.....	4.00	30.00
White Cloud.....	5 00	40.00	Ethel Crocker.....	4.00	30.00

Order Quickly. Plants reserved for later shipment if desired. Terms Cash.

H. W. BUCKBEE, Rockford Seed Farms, Rockford, Ill.
Forest City Greenhouses, Rockford, Ill.

Mention the Review when you write.

Roses EXTRA STRONG

American Beauty.....3 1/2-in....\$10.00 per 100
Golden Gate.....3 1/2-in.... 8.00 per 100

H. WEBER & SONS, Oakland, Md.

Mention the Review when you write.

Now is the time to buy your fall stock of

FERNS

We offer a fine thrifty lot in 3-inch pots of following varieties: *Pteris Ouyvardi*, *Pteris Cristata*, *Pteris Tremula*, *Nephrolepis Exaltata Compacta*, *Selaginella Emilliana*. Price \$5.00 per 100.

Wagner Park Conservatories, Sidney, Ohio.

Mention the Review when you write.

Lantana Borbonica.

8-inch pots, 12 to 15 inches high, 1 to 2 character leaves, fine stuff for 5-inch pots for fall sales, \$7.00 per 100..... \$60.00 per 1000

Asparagus Sprengeri.

2 1/2-inch pots, extra strong.....\$3.00 per 100
3-inch pots..... 4 00
4-inch pots..... 6.00

Eucharis Grandiflora.

The best of the class; three to four crops of bloom each season, fine white flowers when they are most wanted.

Large bulbs, growing..... 8.00
Medium bulbs, growing..... 5.00

"CRITCHELL'S," AVONDALE, CINCINNATI, OHIO.

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TWO GRAND NEW WHITE CARNATIONS

for the Spring of 1904

Lady Bountiful. The Belle.

Color—pure glistening white; size—full 3 to 3½ inches; form—perfect, ideal for a high grade commercial carnation; stem—24 inches and over, stiff and wiry; fragrance—spicy clove; substance—of the very best. A very strong feature is its excellent keeping and shipping qualities. Habit—ideal, strong, clean, healthy upright growth. Early, free and continuous flowering and also an early and easy propagator. The many exceptional sterling qualities of this variety made it the most prominent of all white carnations seeking honors at Kansas City and Chicago Chrysanthemum Shows, Nov. 1902, and the Judges placed it at the head of all new comers.

A companion to Lady Bountiful with equally strong points to bring it into popular favor with the grower. We have long been looking for a white carnation possessing all the good qualities of Flora Hill but entirely eliminating its weak points. We offer it to you in THE BELLE—a strong, clean, healthy growth; a long, stiff stem; a large flower of best form and a non-bursting calyx. It is the earliest white carnation we have yet found among our seedlings, phenomenally so and not lacking in freedom. It is bound to supplant that popular variety, Flora Hill. This is also an early and very easy propagator.

Our **EXTRA LARGE, CLEAN, HEALTHY STOCK** and the easy propagation will enable us to offer **GOOD, STRONG CUTTINGS, WELL ROOTED and SURE** to please.

\$12.00 per 100.

\$100.00 per 1000.

\$95.00 per 1000 in lots of 2500.

90.00 per 1000 in lots of 5000.

The aggregate number of the two varieties ordered will establish the price.

We are booking orders which will be filled in strict rotation as received. Place your orders NOW to get in on the early delivery of these two sure to be popular varieties.

Send for our Price List of Field-Grown Carnation Plants of the Standard Varieties.

F. DORNER & SONS CO., LAFAYETTE, IND.

Resurrection Plants.

We supply in any quantities from 10 inches to 35 inches in circumference: 11 to 18 inches, \$12 per 1000; 15 to 18 inches, \$20 postpaid.

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Special Florists' Collection, 30 var., \$8 mailed. Old Man Cactus, 4 to 5-in., \$3 per doz; \$20 per 100 mailed. Send for special list of Orchids, Bulbs, etc.

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Crane, Gov. Roosevelt, Glacier, Joost, Lorna, Morning Glory, Wolcott, Nelson, Maceo, Apollo, Crocker, Dorothy, Gaiety, Alba, Cressbrook, Elma, first size, \$8.00 per 100; second size, \$5.00 per 100.

ROSE PLANTS.

200 4-inch American Beauties.....\$12.00 per 100
300 4-inch Meteors..... 8.00 per 100
500 2½-inch Brides..... 8.50 per 100
250 2½-inch Balduins..... 5.00 per 100
Boston Ferns, 2½-in., \$6; 3-in., \$10; 4-in., \$15 per 100
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Primula Forbesi—Baby primroses, 2½-in., \$1.50 per 100; 400 for \$5.00.

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2-inch pots.....\$3.00 per 100
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in assortment, 3-inch pots.....\$6.00 per 100

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Strong, 2-inch pots.....\$2.00 per 100

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Strong, 2-inch\$1.25 per 100

Asparagus Sprengeri, 2-inch, \$2.00 per 100

Beauties, 3-inch..... 5.00 "

Brides and Maids, 3-inch... 4.00 "

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In fine shape, strong and bushy.

300 Mrs. Potter Palmer.....\$4.00 per 100
1500 White Cloud 3.50 "
300 G. H. Crane, 500 Oriole..... 4.00 "
1500 Mrs. Frances Joost..... 3.50 "
1500 Norway, 700 America..... 4.00 "
2000 Genevieve Lord 3.50 "
800 Peru, 500 Flora Hill..... 4.00 "
Terms:—Cash with order.

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Flexible Steel Roll-Up Mats!

The most practical, indestructible sanitary mats made. Particularly adapted

FOR FLORISTS' USE.

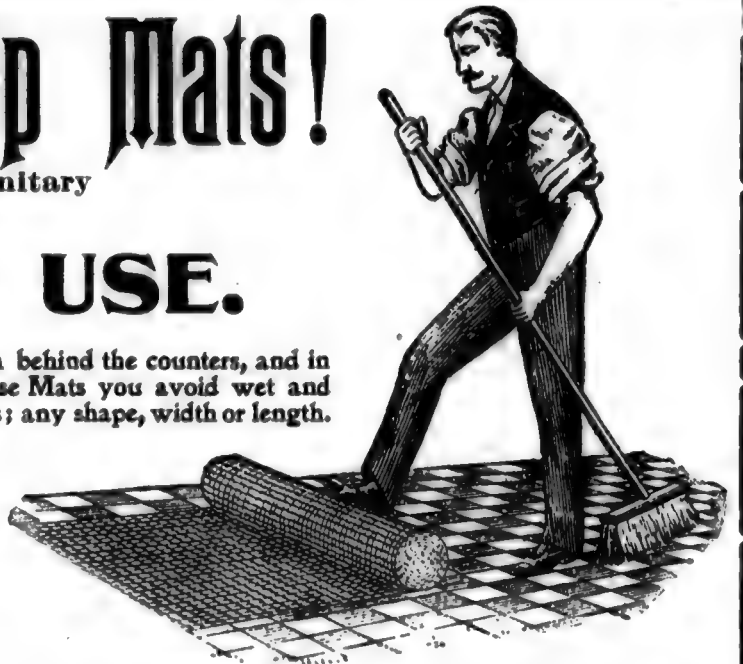
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Several members of the asparagus family have become wonderfully popular the last few years as decorative subjects, partly on account of their graceful habit, but perhaps even more so through their quality of keeping fresh and bright for days, or even weeks, in a cut state. The one in question is rather more "leafy" in appearance than most of the family, and consequently would make a better and more useful subject for use as a pot plant without detracting from its utility in a cut state. The plant before us, though only from a 3-inch pot, has a very attractive appearance, showing that it will be salable in a young state as well as in older examples, and we consider the novelty to be a very promising one for florists and all engaged in the decorative side of horticulture. It received a reward of merit as A. Japonicus, but the name has now been settled at Kew as above.—Horticultural Advertiser.

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The following is an advertisement from one of our English contemporaries:

No more malarial fever, Ocyum Viride. This is found to effectually expel mosquitoes, and keep man free from malaria. Send for The Times' and Nature's reports of this wonderful plant, which is unquestionably a blessing to mankind. We possess, and shall be pleased to supply seeds (direct from Nigeria). Per small packet, 5s.; plants, 5s each.

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Please change my advertisement as per copy enclosed. Am very well satisfied with the results from the Classified advertisements. Can't keep up with orders, which are coming in from Canada to California, a very good evidence that your paper is in the hands of every florist.

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Will do all that is claimed for other steam traps and DO IT BETTER.

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C. A. DUNHAM CO.,
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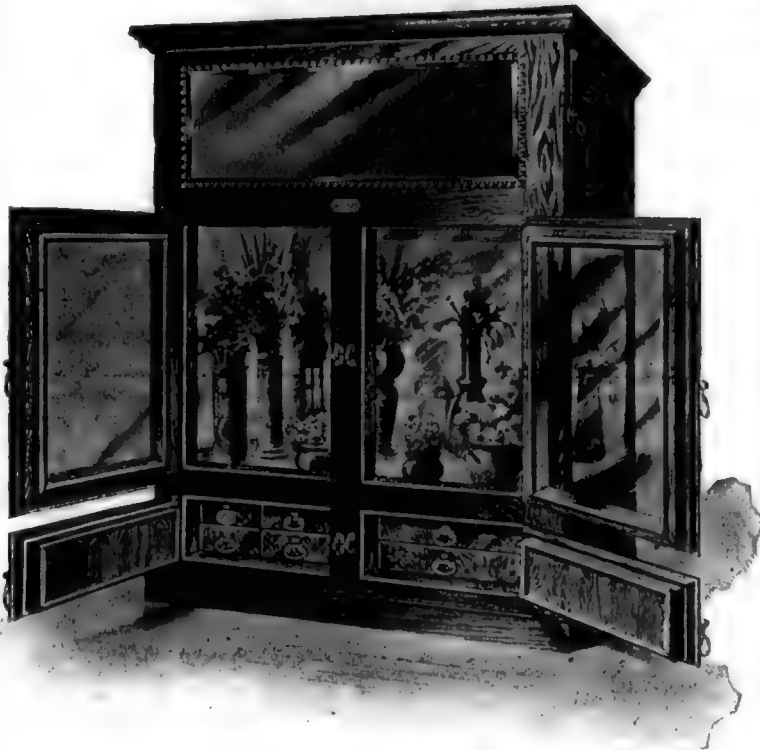


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SPECIAL DESIGNS BUILT TO ORDER

Also we have stock sizes of very neat design ready for prompt shipment.

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The positive circulation of pure cold air within keeps the flowers in perfect condition.

Economical in the Use of Ice. Scientifically Constructed.

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Address Main Office unless you reside in one of the above named cities.

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Extravagant



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Caldwell Towers

are. It will surprise you that such quality can be purchased for so little money.

W. E. Caldwell Co.

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Best selected quality, per bale of 5 barrels. \$2.25. Try a bale, it will please you.

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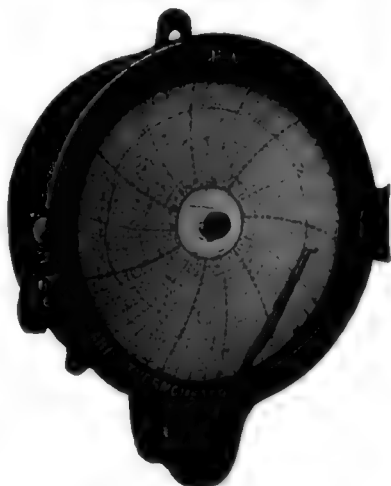
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JUST THE THING FOR YOUR
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GEORGE GIBBS.

CATALOGUES RECEIVED.

F. Ludemann, San Francisco, bulbs and plants; Barr & Sons, London, daffodils; C. C. Pollworth Co., Milwaukee, palms and ferns; A. Dessert, Chenonceaux, France, peonies; L. Boehmer, Yokohama, Japan, seeds and bulbs; Peterson Nursery, Chicago, peonies; A. N. Pierson, Cromwell, Conn., palms and ferns; E. H. Krelage & Son, Haarlem, Holland, bulbs; Chas. D. Ball, Holmesburg, Pa., decorative plants; J. P. William & Bros., Henaratgoda, Ceylon, tropical seeds and plants; Schlegel & Fottler Co., Boston, bulbs; Woods Floral Co., Wilmington, Cal., bulbs; C. A. Kuehn, St. Louis, pot brackets; Jno. C. Moninger Co., Chicago, greenhouse construction; John Peed & Son, London, Eng., bulbs, etc.; A. L. Hatch, Rockledge, Fla., plants.

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USED IN THE GREENHOUSE EFFECTIVELY

FOR VARIOUS PLANT DISEASES AND BLACK FLY.

Put up in
5, 10 and
25 lb. Bags,
in Kegs and
Barrels.



Sold by
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Seedsmen
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"Thripscide"

(REGISTERED)

Greenhouse Fumigating Powder

Is the newest and best article on the market to-day for the complete destruction of all insects that infest Greenhouses or Conservatories, being a special boon to Rose and Beauty growers and prepared particularly for the destruction of **Greenfly** and **Thrips**. There is nothing injurious in it to plant life, even the most delicate fern. It is especially recommended for Beauties, Roses, Carnations, Chrysanthemums, Lilies, Smilax, Asparagus, Palms, Ferns, etc., and we claim that insects will be entirely eradicated when the houses are thoroughly fumigated with the powder. It is put up as follows:

1 lb. Tin Can.....	\$.25
5 lb. Tin Can.....	1.00
25 lb. Sealed Box.....	4.50
100 lb. Sealed Box.....	16.50

Send for copy of testimonials. For reference we refer to Messrs. Bassett & Washburn, Hinsdale, Ill. Prepared by the Lilly-Lilly Chemical Co. and sold by

E. H. HUNT, 76-78 Wabash Ave., CHICAGO.

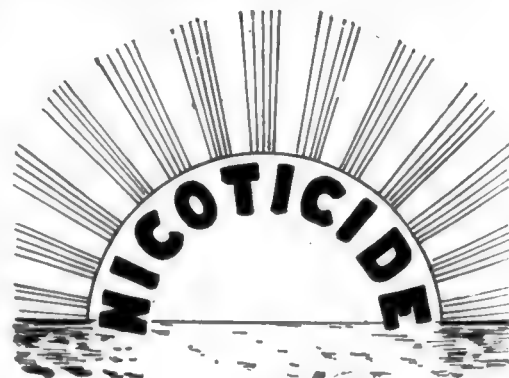


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\$10.00 per ton.
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We find it well constructed and a highly attractive ornament to our store.

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Dear Sir:—Since using your ice case in our retail flower department we have saved 80 per cent in the consumption of ice. Our saving in flowers we cannot accurately determine, but should estimate conservatively 25 per cent. Not only this, flowers keep with us as they never did before, and retain their salable appearance longer. Your box is certainly a boon to the florists and we predict a wonderful sale on them, especially to the florists, when their qualifications become known.

Yours truly,

L. L. MAY & Co.

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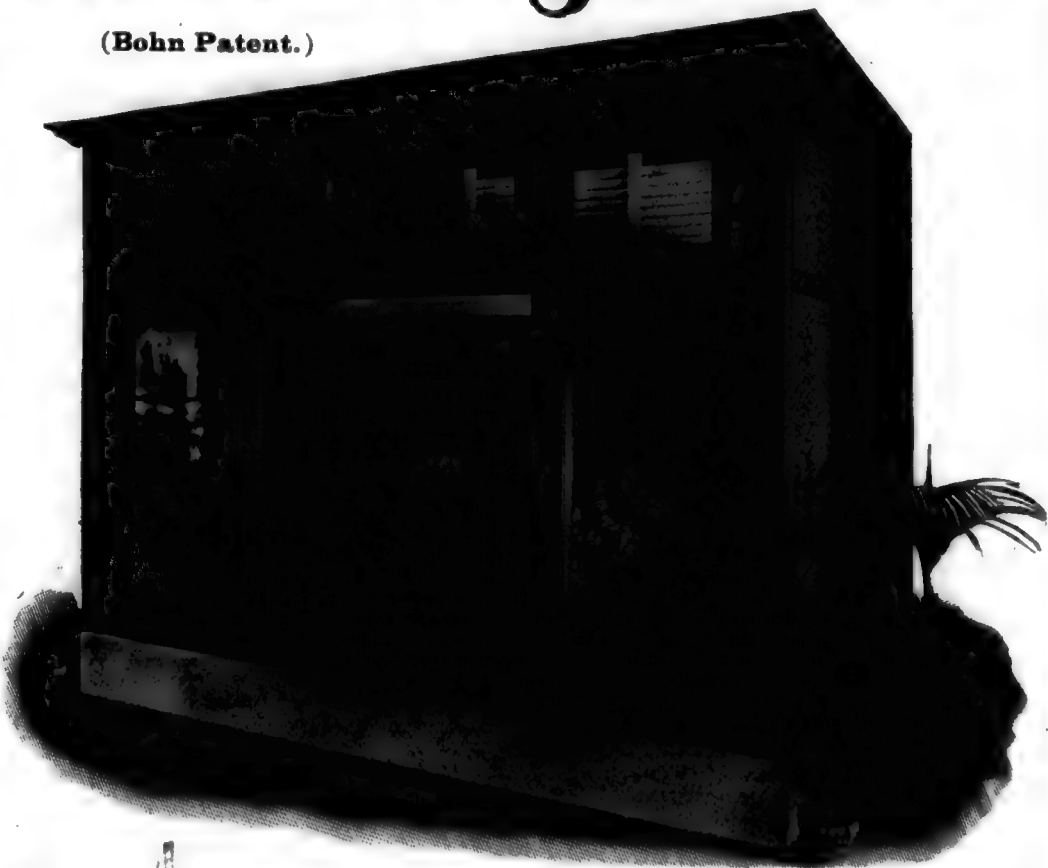
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Built for Lincoln I. Noff, Pittsburg, Pa.



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Price with wire chain, as shown in cut, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

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WATERPROOF. Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No. 0...	3x4	x20	\$3.00 per 100;	\$18.00 per 1000
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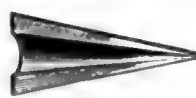
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AZALEA FIELDER'S WHITE.

As an admirer of azaleas in general, I am very glad to notice that there is a revival of interest in their culture, says a writer in the Gardener's Chronicle. To my view, azaleas are by far the most handsome group of hard-wooded greenhouse plants grown. While not looking forward to seeing them cultivated in the form of giant pyramids, as was the custom in the '60s and '70s, I still think that if prizes were offered for groups of more naturally grown plants, much interest might be added to our late spring exhibitions. However, I am getting away from the heading of this note. In these utilitarian days, I do not think we can well afford to put on one side the old Fielder's White. For working up into wreaths and other forms of memorial use, no other white azalea can come up to it; its extended stamens and pistil give it quite a characteristic appearance. We find naturally grown plants, both large and small, to be most useful and acceptable in church decoration at Easter and other times when required. As will be known to many of your readers, this old azalea has a good constitution, hence does not suffer from the changes of temperature, etc., to which plants used for general decorative purposes are more or less subject. When repotting, we always use one-third of the compost in the shape of small nodules of turfy loam to two-thirds of tough peat, with a good sprinkling of Bedford sand.

FRANKFORD, PA.—John Lees has succeeded his father, Thomas Lees, in business.

SYLVANIA, O.—E. H. Cushman's gladiolus farm was given an illustrated write-up in the Toledo Blade of August 8.

ROCKFORD, ILL.—J. J. Soper is erecting an addition which will very nearly double the size of his greenhouse establishment.

SARATOGA SPRINGS, N. Y.—The floral parade and carnival, which has been a feature of the season here for years, has been abandoned.

See That Ledge.

Pat. Sept. 12, 1900.

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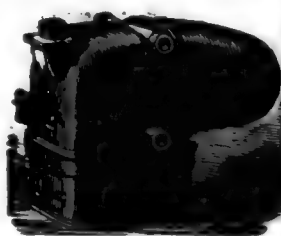


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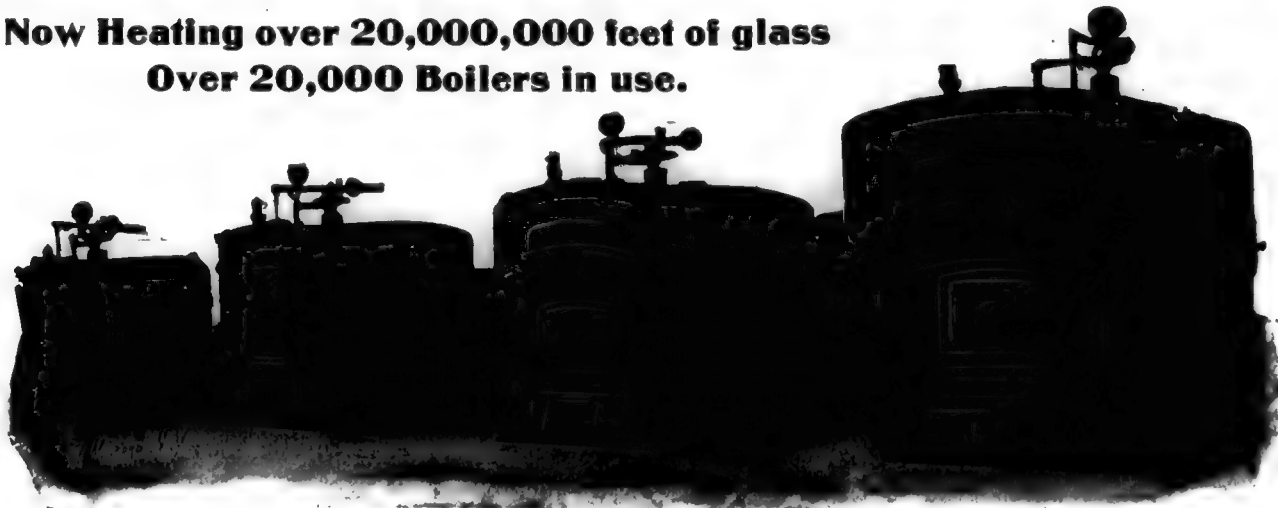
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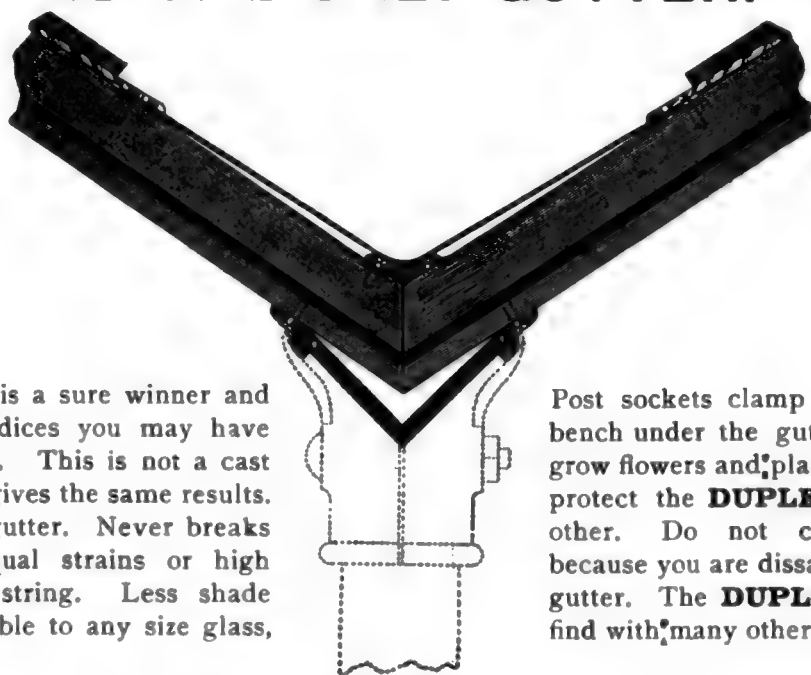
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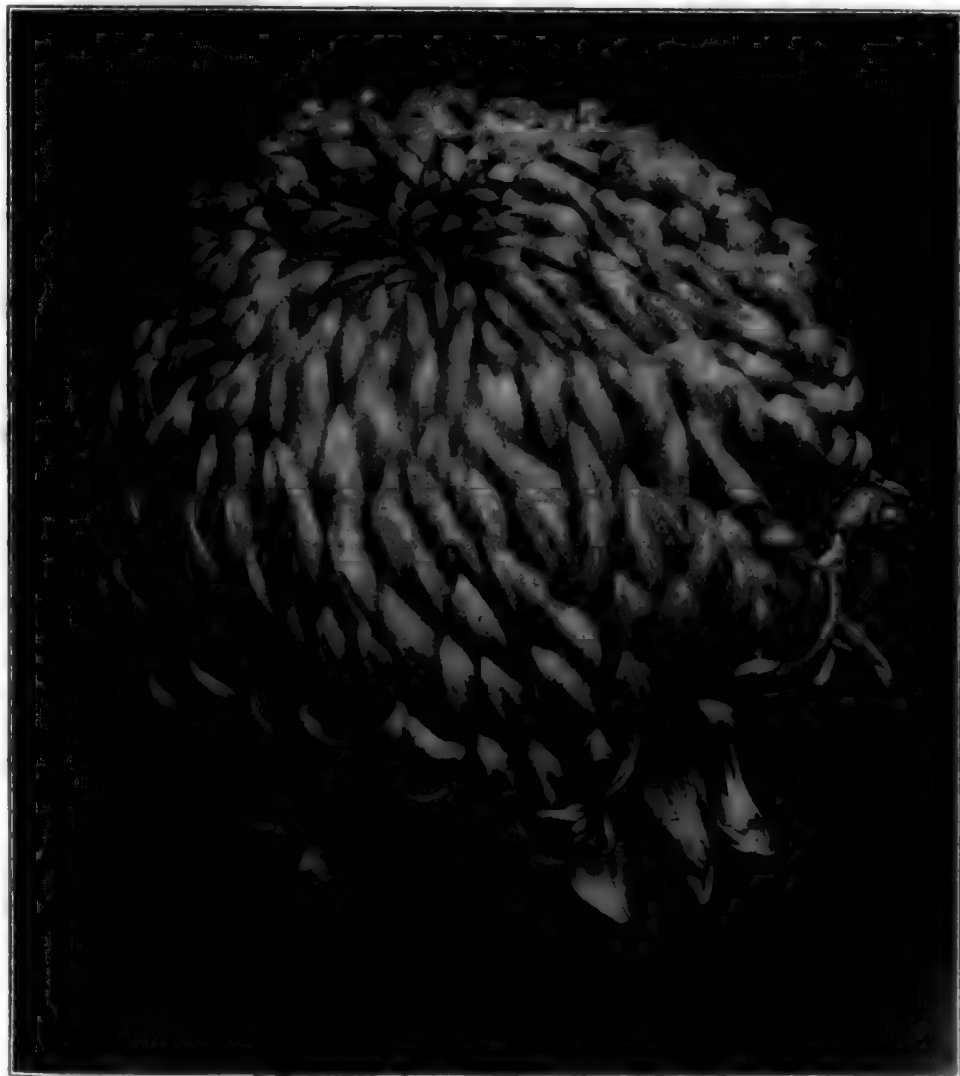
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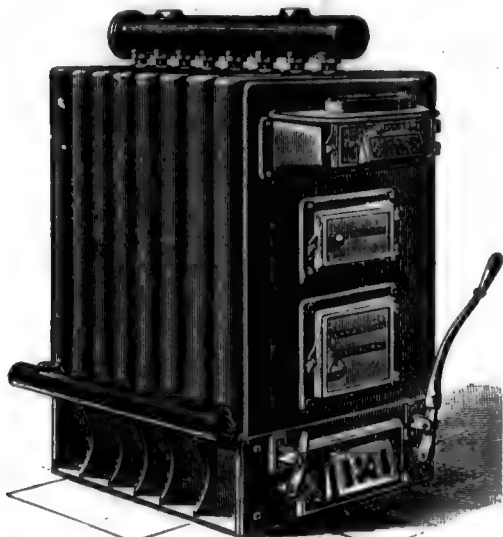
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Yours very truly, ROBERT C. BANCROFT.

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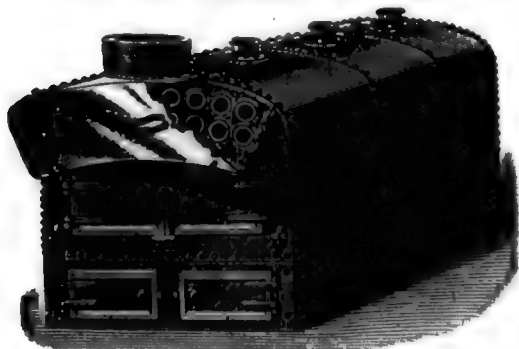
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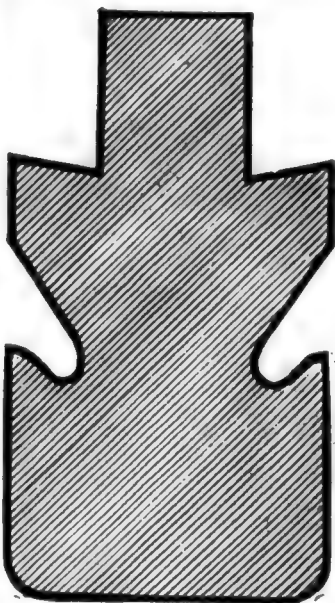
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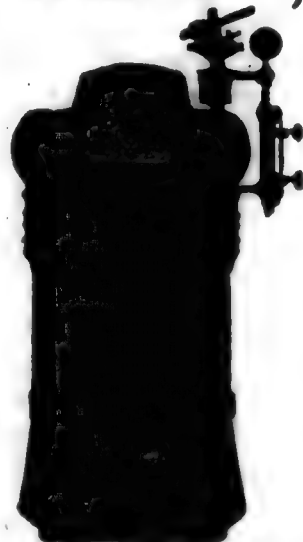
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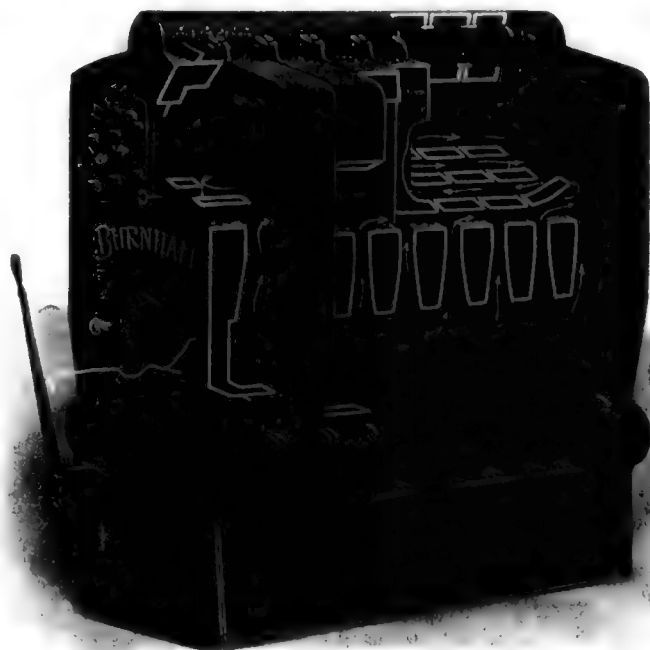
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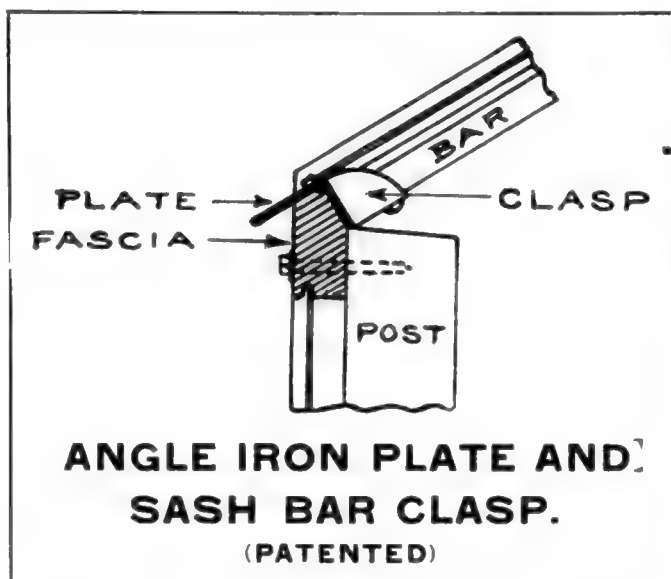


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GOLD MEDAL

of this Society at Asheville, last year. As it has already received the highest award possible in the gift of the Society of American Florists, your committee can make no further award at this time, but we wish to say that another year has only further demonstrated its great value commercially and confirmed the judgment of the committee in awarding it the first and only Gold Medal so far given by this Society for any new plant."

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4-6 inch.....	.75	5.00	
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Oxalis Bermuda, yellow.....	.30	1.00	7.50
Calif. Grande Duchesse, white.....	.20	1.25	10.10
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Calif. Grande Duchesse Oxalis has enormous flowers, blooms in glorious masses.

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IMPRESSIONS OF A GREAT CONVENTION

BY WILLIAM SCOTT.

The feature that made the Milwaukee convention most memorable was the trade exhibit. The writer was somewhat occupied with numerous and diversified duties, and as he makes a point of attending all the business meetings of the convention, as well as various other meetings where two or three are gathered together in holy communion of purpose, there was not much time left to inspect the wonderful collection of those articles that enter into our business in all its branches. There were something over eighty exhibitors. A list of them was given in the pages of the Review last week, and all I can expect to do is to mention here what was out of the ordinary run and what I noticed on entering the hall.

The boilers, ventilating apparatus, greenhouse construction and many appliances occupied a large space. There were the Herendeen Manufacturing Co. with a large and greatly improved boiler, Kroeschell Bros., of Chicago, with their long tubular boiler, Lord & Burnham Co. with their very solid looking sectional heater. The John C. Moninger Co. had a model greenhouse, showing their construction combined with the Garland cast iron gutter; Foley Manufacturing Co., model of greenhouse with metal gutter and ventilating apparatus. John A. Evans, of Richmond, Ind., had a highly polished copper-bottomed exhibit of his well known ventilator; A. Dietsch & Co., model of their well known greenhouse construction; the Lord & Burnham Co., a very finished model of greenhouse and gutter, and the Dillon Manufacturing Co., of Bloomburg, Pa., roof construction and concrete gutter.

Now, gentlemen, in the construction of our houses there has been a most wonderful advance within the past ten years, and the credit is not all due to the man who grows, but is largely due to these men who have studied our wants, and unwise is the man who does not get his material from these specialists, and here was an opportunity to see the best up to date. C. E. Finley, of Joliet, had in operation a pot washer. In size and operation it was something like the familiar scissors grinder of the street, but the wire brush does the trick. Wherever it is desirable to clean pots this is a most efficient machine and not expensive. Entirely out of the common were a dozen or more photographs of a soil conveyor, by the Engineering & Power Co., of Jamestown, N. Y. As I have very recently seen this invention in operation, saw the work it was doing and had done, I must confess that for places of over 100,000 feet of glass it is a great labor saving machine and will soon pay for itself. I will have more to say of it later.

There were a great lot of fine plants exhibited. Henry A. Dreer had a great collection of palms and ferns. The table of small ferns was particularly good. The collection of palms shown by C. D. Ball, of Holmesburg, Pa., was of the perfect, high order for which this gentlemanly gentleman has been for years fa-

mous. Henry A. Siebrecht & Son had a very large exhibit and it included a great variety of our desirable palms, ferns and decorative plants. They deserve a reward for sending so fine a lot. F. R. Pierson Co. had a table of the now well known *Nephrolepis Pierstoni*. It loses none of its charm by familiar acquaintance and is as beautiful as ever. Julius Roehrs, of Rutherford, N. J., had a well grown lot of palms, pandanus and crotons. Robert Craig & Son exhibited a large assortment of palms, pandanus and crotons. The latter were beautiful in growth and color, and, best of all, we had the man himself with us. C. C. Pollworth Co. made a very large exhibit of decorative plants and floral supplies. This rising firm was a large purchaser of eastern exhibits and soon the west and southwest will look to them as the northern star. In orchids, Lager & Hurrell made a pretty display, and so did W. A. Manda. This firm's exhibit of golden privet attracted much attention. I had seen it at South

expect to see from this good grower. And there were several others.

The cut flower display was, as usual, a small feature, but the fine displays of gladioli by the Cushman Gladiolus Co., Sylvania, Ohio, and Arthur Cowee, Berlin, N. Y., were bright spots in the hall.

I almost forgot to mention three ferns, all worthy of note. Peter Crowe brought with him from Utica, N. Y., a few plants and cut fronds of his *Adiantum Croweanum*. The fronds were about thirty inches long from where they were cut at the crown. It is indeed a wonderful fern and must soon displace old *cuneatum*. Anna Foster, as shown by L. H. Foster, of Dorchester, Mass., made a most favorable impression. Its beauty and merits have been obscured largely by the wonderful *Pierstoni*, but they are so distinct there is room for both. And now there is another sport of *N. Bostoniensis*. A plant of it was shown by Mrs. R. Mauff, of Denver, Colo. As this handsome fern won't be sent out for a year or so, a description of it just now is not essential and I am not sure I could give it, but it is distinct and has some valuable qualities and will be heard from later.

The greatest class of exhibits by long odds was what we call our florists' sup-



Wreath of Asters and Cycas to cost from \$6.00 upward.

Orange a year or two ago. It is said not to lose its golden color with the advance of the season, but is most attractive until hard frost kills the foliage. If perfectly hardy in our northern states, it is a great acquisition. The George Wittbold Co. exhibited palms and ferns, among them some fine specimens. Joseph Heacock, Wyncote, Pa., put up a collection of palms of the most useful sizes and kinds and just as finely grown as this excellent gardener can do it. Lemuel Ball's exhibit of palms was of the usual excellent quality which we

plies. Never in former years was there such a display. Vases, baskets, bells, wire designs, metal designs, boxes, ribbons and every conceivable article that a florist can find use for and many to tempt his customers. A list of all exhibitors in this and every line has already been published and I have neither space nor ability to describe the many tempting and beautiful articles. I can only say that I sincerely hope that those firms that had the enterprise to put up such fine exhibits at great expense and far from home met with the

ample reward which they richly deserve. Mr. Holton, the superintendent of exhibits, did himself proud and nothing but praise was heard of his management. The arrangement of the exhibits was truly well made.

The convention seemed to me to fill almost to the ideal the purposes for which our annual gathering is held—enough essays to give us some food for thought, a great trade exhibit where the newest and most valuable commercial plants, as well as the most up-to-date furnishings of a retail store could be inspected; above all, a most pleasant and fraternal gathering of men and women engaged in our noble calling, an exchange of ideas, a renewing of friendship, and a brief but happy oasis in the laborious life of many a florist.

The hall was perhaps the best for the exhibition we have ever had, but the portion screened off for the business had the worst of acoustic qualities. Nothing but a human fog horn could be heard twenty feet from the stage. Pat O'Mara's clean cut, penetrating basso was about the only one that could cut through the heat waves.

St. Louis had no opposition. It did not even require the persuasive eloquence of Fred W. Taylor to take us to the banks of the Mississippi. This is just as it should be. We all want to see the World's Fair and many cannot afford two vacations in one summer.

The election ended with the best of feeling and I am not sure that the rivalry and canvass for votes among the friends of the candidates did any harm. Those are fine pictures you have, Mr. Editor, of the president and the vice-president, both handsome men in the very prime of life. I mean, of course that the "primeness" is suited for conducting the affairs of our society. For

that there is a splendid business force.

Things we eat and drink since coming home do not taste right. The diet we found everywhere in Milwaukee was fine, and as for the amber lubricant, it was superb and without effect unless you took a bath in it. I sincerely sympathize with those rigid characters who would not sample Milwaukee product while they were in the city.

The shooting was a very enjoyable afternoon, after all, and I trust this feature will not be abandoned. There were at the convention several crack shots from Philadelphia and they displayed a fine spirit of sportsmanship when they said to themselves "We could win the best prizes, we know, but let the boys have their fun, we have won enough; when we meet foeman worthy of our steel we will be there again."

The most touching incident of the convention was the restoration of watch and ring to ex-President Smith. Who but Robert Craig, with his classical head and features and sympathetic voice and well chosen words, could deliver such an eloquent little speech? We have only one, and long may he be with us.

The Chicago men simply did nobly. That dainty banquet in the grand banquet hall of the Auditorium was never equaled in the history of our society. It was dainty, elegant and most wonderfully served, and broke up all too soon.

After all the shouting and yelling on the alleys and almost fighting rivalry, it ended with the best of good feeling. The "Phillies" must have surprised even themselves, and as President Burton told John Westcott, there was good playing accompanied by d—— good luck. Well, if ever a club deserved it, Philadelphia does, for it is enthusiastic and keeps the game alive. Phil

championship medal was won on form for Mr. Foerster is the best bowler of all the florists in the land. What a joke, however, if Mr. Wilcox had captured the medal. He is a dangerous outsider, always to be feared in any company.

Many little incidents occurred during this memorable convention that I made mental memoranda of, but they have vanished. As it is, my story is amply long enough, quality considered, and in conclusion I thank all who did attend and help to make our gathering in the fine city of Milwaukee as enjoyable an event as is recorded in our memory of our good society. WILLIAM SCOTT.

CONVENTION NOTES.

The E. F. Winterson prize for the man scoring the highest in three games in the Milwaukee contest, was one of the handsomest as well as the most unique ever offered for such an event. It was a silver bowling ball, large size, properly inscribed and mounted on a polished base. It was one of the trophies captured by Joseph Foerster, of Chicago, who also took the Mussey medal in the championship contest.

On Thursday evening Mr. and Mrs. Phil Hauswirth, of Chicago, were presented with a silver tea set as an evidence of appreciation for Mr. Hauswirth's labors in behalf of the pastimes which are such an enjoyable feature of the conventions. The presentation was made at the Hotel Pfister, where John Westcott, the popular and pleasure-loving Philadelphian, was entertaining his sporting friends.

Through an unfortunate oversight the judges of trade exhibits overlooked the display of the J. C. Moninger Co., Chicago, in preparing their report. It was an excellent showing and while there Mr. Rupp took orders for two houses, 30x300 from Davis Bros., Morrison, Ill., five houses for Fred Ponting, Cleveland, and two houses for H. Kunz, Glenville, O.

Strange, isn't it, that the Ionia Pottery should be the only pot manufacturer to take advantage of the opportunity to make a display. Of course several of the others had representatives on the ground.

There was nothing but praise for the showings of all the florists' supply houses. Such an exposition of choice goods was never before seen in this country. Each and every exhibitor has every reason to be pleased with what he did, for each had a bright and well arranged showing of goods, which would stand closest inspection. Many new things attracted favorable attention and the general lines showed what a truly wonderful advance has been made in this industry in the past few years. One of the most serviceable novelties was the willow screen shown by M. Rice & Co. This firm has every reason to be satisfied with the results of its convention display, much labor and expense as it entailed.

Following the usual custom, at the closing session, William Currie, of Milwaukee, on behalf of the members presented President Burton with a gold watch as an evidence of the affectionate regard in which he is held.

The fatigues of the week were too much for several members. G. M. Naumann was obliged to call a physician. E. Hippard succumbed to the heat on Saturday and R. F. Tesson was taken home sick, while Dan MacRorie took to



The Home of the Review's Special Photographer.

bowling and other physical exertions they are, of course, long past. Mr. Beneke will work like a trojan to prepare for 1904, and as to Mr. Breitmeyer, it is not taffy to say, for all know it, that there is not a man, and please, Mrs. Breitmeyer, believe me, not a woman who knows Phil but that respects and loves him, and behind his most unassuming good nature he has proved

Hauswirth's hard and able work as manager of sports was handsomely acknowledged by the winning team, and when you see John Westcott's and Billy Kasting's noses deep in the loving cup at the same time it looks well for another hot game next year. Poor Chicago! They played well and defeat came bitter to them, for the odds were fifty to one that Chicago had the cup. The

his bed for several days without having been near the convention.

Among the plant novelties Croton Craigii in the Craig & Son exhibit, attracted much attention. Seibrecht & Son had Kentia Wendtlandii and other good things, Peter Crowe showed fine plants of Adiantum Croweanum. W. A. Munda's golden privet was thought a good thing. In H. A. Dreer's collection were Kentia Sanderiana, Asparagus myriocladus, A plumosus compactus and some new fancy-leaved caladiums. Lager & Hurrell had some little known orchids and C. C. Pollworth showed Araucaria plumosa.

The Hitchings trophy is now the property of the Philadelphia bowlers.

Signs to the right of us, signs to the left of us, signs at the front of us thundered and roared. Signs of the times.

Coming down from Milwaukee to Chicago on the Virginia on Friday, the Milwaukee Florists' Club had nearly 800 guests. It was a jolly party and a delightful ride. Lunch baskets were provided for all and there was a diversity of entertainment. It was one of the most pleasurable features of the convention.

"We are only eighty-five miles from the wickedest city on God's earth," said the mayor, "but with us life and property are always secure." And that same evening a Milwaukee hotel thief robbed one of our most respected ex-presidents of one of his dearest possessions.

The pot washer exhibited by C. E. Finley attracted the attention of the growers. The machine is simple and effective and seemed to meet with general approval.

One of the good novelties was a cemetery vase shown by W. F. Kasting. It is made of heavy tin, covered with white enamel, with a strong wire to go into the ground. It is a cheap and serviceable article, yet makes an excellent appearance and will enjoy a large sale.

Nothing but words of praise are heard as to the way Milwaukee handled the convention. Messrs. Pollworth and Holton make a strong team.

F. E. Dorner, Jr., was elected a director of the Florists' Hail Association, succeeding William F. Dreer.

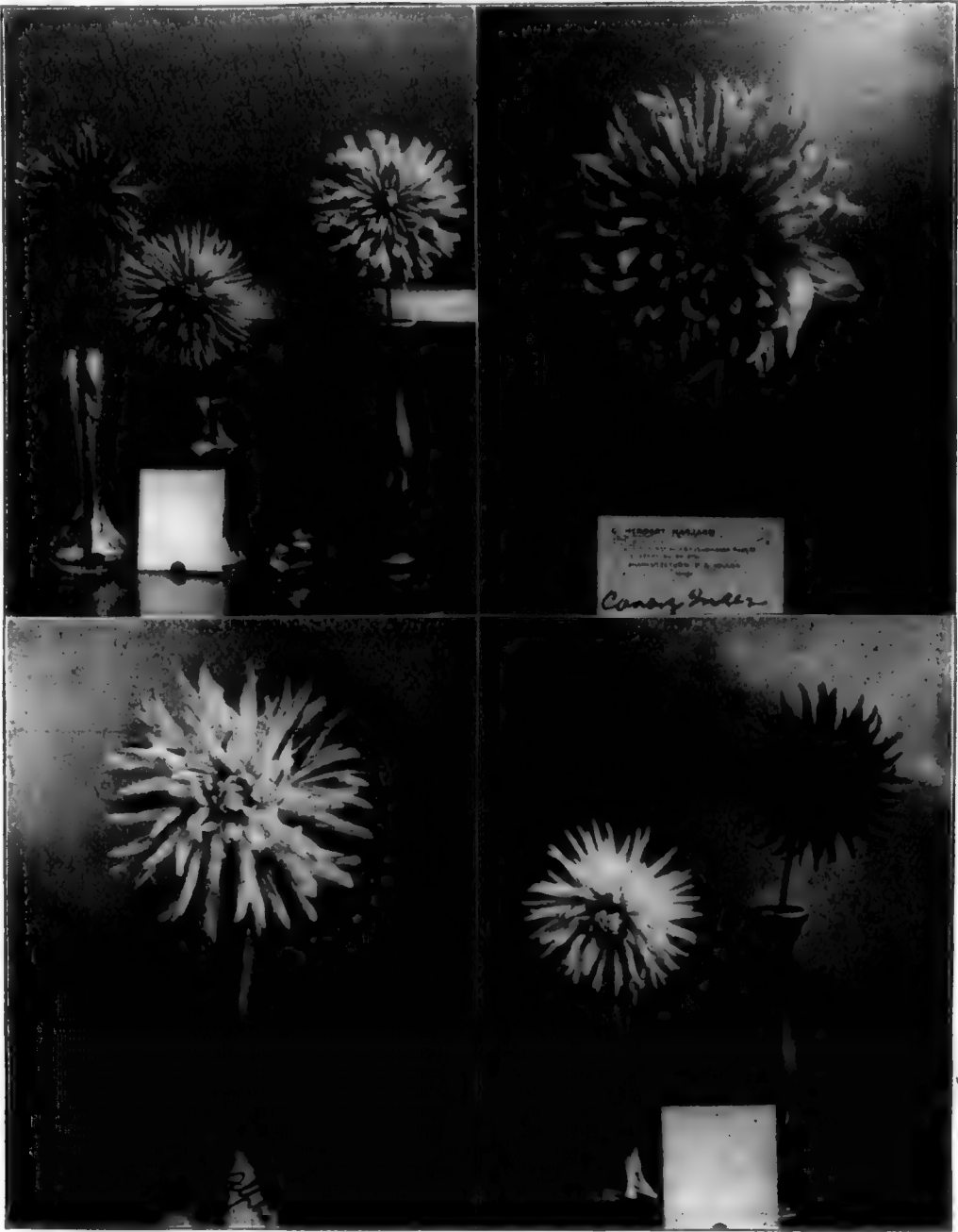
And they didn't take us to the breweries.

CONVENTION GUNNERS.

The success of the annual bowling tournament of the Society of American Florists Wednesday was rivaled on Thursday by the shooting tournament held on the South Side Gun Club grounds, under the able management of F. S. Schmeling. Two events were held and both were won by Ohio men.

In the first event, forty birds, H. M. Altick, of Dayton, was the winner with 31 birds, while E. Hippard was a close second with 30. James Eadie, of Cleveland, was third with 28. The second event was twenty blue rocks, ten pairs. James Eadie, of Cleveland, was the winner with 16, while Reid, of Philadelphia, was a close second with 15. The scores were as follows:

FORTY BIRDS.	
Altick	31
Hippard	30
Eadie	28
Reid	25
Bralk	23
Strachner	22
Steffens	21
Dunlop	19
Scott	18
Bartels	16
Pohl	16
Tesson	16
McClure	15
Rodgers	15
Graham	14
Zender	13
Klokner	4



Mayor Tuppeny Britannia Canary Queen Lord Roberts Lucius
C. J. Stredwick Countess of Lonsdale
Alpha
Cactus Dahlias Grown by G. Herbert Haszard, Charlottetown, P. E. I.

TWENTY BIRDS. TEN PAIRS.	
Eadie	16
Reid	15
Bralk	14
Altick	13
Steffens	12
Scott	11
Bartels	10
Graham	10
Tesson	10
Hippard	9
Rodgers	9
Pohl	8
Dunlop	7

DAHLIAS IN CANADA.

G. Herbert Haszard, at Charlottetown, Prince Edward Island, is growing a collection of over fifty varieties of cactus dahlias, which are now at their best. The new yellow, Canary Queen, is a variety of exceptional beauty, fine long stems, the flower borne well above the foliage. Alpha is a striking novelty, a good white striped and spotted crimson. Lord Roberts, Mr. Haszard says, is certainly the best white to date. Lucius is a fine orange scarlet with very long stems. Mayor Tuppeny is another good sort, center petals yellow, outer petals orange, with crimson edge. The habit of growth is good. Clara J. Stredwick is a bright salmon shading to yellow, a splendid bloom with very narrow petals. The plant grows only about two and one-half feet tall and is full of perfect flowers. Countess of Lonsdale is a rich salmon and very dwarf. Britannia is salmon pink. The new dark-colored ones, Night, Uncle Tom, Aunt Chloe and J. H. Jackson, are being watched with interest.

DAHLIA NOTES.

The present year has been the most favorable for dahlias experienced for years. From all over the country the most favorable reports have been received. The flowers are not only fine, but the plants have made good growth and they have been blooming profusely. If the cool, wet weather continues, the dahlias will continue to bloom the balance of the season. It is well, however, to here sound the note of warning.

The soil should be kept stirred to the depth of an inch or two and no grass or weeds allowed to grow. This stirring of the soil is not only to keep down the grass and weeds but to keep the soil from baking. With the large growths that dahlias have made it would only take a short drought to give them a severe set-back.

While all dahlias have been doing well, Twentieth Century and the newer cactus dahlias seem to have given the greatest success. Many correspondents express their surprise that the new cactus dahlias should bloom so early and so profusely. As a rule, the cactus are stronger growers than the show and fancy sorts, but few were prepared for the immense amount of bloom they have given this year. The trouble with the old Juarezi and the varieties im-

mediately following was that they bloomed so late in the season, and as these older varieties were the most widely known, cactus dahlias were not taken up so quickly as their merits would warrant. We have been told so many times, "Yes, we like the cactus dahlia; we think it most beautiful and charming, but it is such a late and shy bloomer that we prefer the others." Varieties like the Countess of Lonsdale, Bruin-hilde, Volker, Standard Bearer and a number of others, bloom much more profusely than the old-fashioned show and fancy types. Then again, the weak, drooping stem of the cactus flower has been a drawback. This fault is disappearing in many varieties, notably the new pink Kriemhilde. The flower stems are long and erect, causing the flower to face out boldly when used in bouquets or decorations.

Twentieth Century has probably so far been the most successful of the new dahlias. The immense flowers, with their beautiful combination of colors, long graceful stems and fern-like foliage render them particularly striking and attractive. The new collarette, President Viger, has also earned an enviable position among the American dahlias. It has been an extremely early and profuse bloomer, while the white collar and the deep garnet ground were extremely striking and attractive.

L. K. PEACOCK.

A TABLE CENTERPIECE.

A section of a dinner table centerpiece is here illustrated. It is intended for a long table, and may be used repeatedly at intervals, with light garlands of smilax connecting the sections; or it might be used as a solid piece, making a continuous line the whole length of the table. The illustration serves to show



Trellis of Sweet Peas for Table Centerpiece.

the character of the trellis and decoration but gives little idea as to the effect produced, as the photograph was taken with this section of the decoration on a small stand, where it could get a good light. The wire rack is gilded and left partly exposed and smilax trained high over one end and low at the opposite end. Blanche Ferry peas were used in this instance. It will be noted that the wire trellis is but little higher than the long-stemmed sweet peas, the total height, base and all, being twelve inches. I have used this several times and found it very well liked. This same design might

be used on the top of a chancel rail, for an aisle gate at a wedding, or for a buffet or mantel screen.

GERTRUDE BLAIR.

VIOLET GROWING.

BY GEORGE F. CRABBE, GRAND RAPIDS, MICH.

The cultivation of the violet is a fascinating vocation; pleasant and profitable when the crop proves a success; disappointing and expensive when failure of crop is the result. There are so many trials and tribulations to go through before a successful crop is assured that many a grower in sheer despair, has abandoned their cultivation for some more certain crop. Yet, with healthy plants, careful cultivation, proper soil and good, constant care, there is no reason why the violet cannot be as sure a crop as any other variety of plants.

There are not many growers who can say positively "My crop will be a success," for experience teaches us that, no matter how great our success last season, we can fail miserably this. Yet these failures help to guard against a repetition of the same mistakes.

Our first set-back was the black fly. It was our first acquaintance and he was allowed to get too strong a foothold before his identity was discovered; and then, while every effort was made to dislodge the enemy, it was too late, the damage was done. The next season we kept the fly in check, but had a different mishap. For covering the cracks on the bottom of the benches we used inverted sod. The quack grass grew and we set the men to work pulling it out. They found it easier to pull when wet, so they kept the beds soaked with water. When the beds were in that condition a rainy week set in and the soil would not dry off, the plants, having what we

what is the matter. We were attending the Chicago chrysanthemum show. Our violets were fine; they were blooming freely and selling at a good price. Like many other florists similarly situated, we were building air castles as to what we would do with the profits of our promising crop and planning to put more houses to violets the next season. The weather during show week was warm, the thermometer standing from 55 to 65 degrees at night. The wind blew and the rain fell and was blown in mist through the ventilators and over the plants. As it was so warm, the hands decided it best to leave the ventilators open, at least until my return. What a sight I beheld! Eight hands picking the spotted leaves off those magnificent plants that but a few days previous we were banking on so confidently. They were so checked that it was not until toward spring that they fully recovered. Had the ventilators been closed the crop would have been saved. I have mentioned our principal failures, thinking it might possibly be of value in preventing others from falling into the same costly errors.

Propagation.

We propagate our stock the last of March and through April in two ways, viz.: by division and by sand rooted cuttings. To propagate by divisions we select the strongest runners, remove from the plant and put into 2-inch pots. It is immaterial whether the divisions when potted have roots on or not. The sand rooted cuttings are also put into 2-inch pots, and all are covered with long strips of cotton until thoroughly rooted, when the covering is discontinued. Newspapers would do just as well for small quantities. We are careful to put the covering on before the sun strikes the plants in the morning, and remove it immediately after the sun's rays no longer strike the house. Give as much light as possible, while not letting the sun strike the plants to wilt them. As soon as the plants have filled these pots with roots they are ready for planting. Those that we cannot plant until later in the season we put into 3-inch pots and grow them on. A well rooted violet plant from a 3-inch pot we prefer to a field-grown plant, as it does not suffer a check when planted. We plant direct to the bench. Our plants are grown wholly under glass the year around. Very few are grown in the field in this vicinity, unless it is the Princess of Wales, single.

We prefer a clay loam of about three parts to two parts of muck sod and two parts of well rotted cow manure, all thoroughly mixed and chopped fine. Under no circumstances is old soil used. We plant with eight inches between the rows, and by the first of October we have robust, bushy plants with foliage touching and covered with buds. Picking begins about the first of October and in a couple of weeks is in full headway.

Varieties and Treatment.

The principal variety grown is the Lady Campbell, considered as being the least liable to disease, the strongest grower and the most free bloomer, producing three flowers to one of the dark varieties. Swanley White is successfully grown with us, but in limited quantities. In dark violets Imperial is the best. While requiring the same treatment as Marie Louise, it has a larger

term "wet feet," and immediately we had the most beautiful crop of black spot imaginable, the crop being ruined. We finally dried the soil out and with care brought the plants out free from spot and in fine shape, but instead of picking 40,000 blooms at Christmas we had to be content with a quarter of that number, and vowed we'd never be caught that way again.

The last set-back (and may it remain the last) occurred at a time when most growers have more or less trouble from the same causes and under similar conditions and find it hard to determine just

flower, a stronger stem, and is a little hardier in its constitution. The Farquhar is no longer grown here.

Lady Campbell and Swanley White both require 45 to 50 degrees of night temperature and a day temperature 10 degrees higher. The dark varieties require 38 to 40 degrees at night and 5 to 8 degrees higher in the day. The warmer varieties require a steadier temperature than the dark. Should the latter occasionally drop to 35 degrees they would be injured, but in the case of the former the flowers would be checked.

At the same time give all the air your conveniences will allow. It is a stimulant to the health of the plants and an antidote for disease. Let the wind, even if cold, blow on the plants if they are healthy. Do not be afraid if you see the leaves moving with the breeze. They are drinking in deep breaths of fresh air. You cannot grow violets properly in a close, ill-ventilated house. Such a one is apt to be damp and muggy, the right conditions for spot.

From the time of planting until about the middle of October the plants should be kept on the wet side. From that date on they should be a bit on the dry side. From the foregoing date until the middle of December is the critical time of their existence. If you get them through until then, or even until the first of December, you can reasonably bank on what kind of a crop you will have for the season.

Keep the soil constantly stirred, so as to let the light penetrate to the roots. Pinch off all decayed and dead leaves. Remove all runners on Campbell and Swanley White as fast as they appear, retaining the one center crown. On the dark violets the same process should be gone through with, although better results are claimed for the system that retains three or four crowns, pinching the strongest runners about three inches from the plant for this purpose. Longer stems and more flowers will result.

Keep the atmosphere in the house dry at all times. Even at the risk of getting the houses too warm, turn on a little steam, if only sufficient to take off that raw, chilly dampness. Particularly should this be done when the early fall rains set in. The neglect of this precaution frequently allows spot to put in an appearance. A hand-rake is used for stirring the soil, but better still if the man in charge knows how to stir soil with his fingers. It is much better and he never has to hunt for his rake; it is always by him.

Pests and Diseases.

Black spot is frequently caused by overwatering. Wet feet, we call it. Also in mild weather when the ventilators are open and a warm rain sets in, before you are aware of what is going on the wind swishes the rain over the foliage in the form of mist, which is very distasteful to the sweet, capricious beauty. Again, a close, ill-ventilated house should be avoided, as it is sure to breed spot.

Frequent syringing on bright mornings will serve to keep red spider down. If you have been taking care of your plants you will have very little trouble with spider. Eel worms are a rarity in this vicinity. As soon as a plant stops growing and ceases to have that bright glass characteristic of a healthy plant, pull it out and replant from stock that should always be kept on hand in 3 or 4-



Single Cactus Dahlia White Cross, Grown by W. P. Peacock, Atco, N. J.

inch pots for that purpose. This disposes of the worm or any other trouble that may ail the plant. There are other enemies—insects and diseases—with which we are as yet unfamiliar.

Great care should be exercised in watering, in order not to get the soil too wet, as it will then become sour, and in winter it is hard to get it back to healthy, growing condition. Morning is the best time to water, and in cloudy weather and in the fall judgment should be used to select a time to water when the foliage will dry out before night.

Narrow, 10 to 12-foot houses grow good violets, but on account of the sash, ventilation is harder to handle during the critical period. Large houses from 100 to 300 feet long and 29 feet wide, containing 4 to 5-foot benches, with 3x4½-foot ventilators, all on the north side of the house, half of them opening to the ridge and the alternating sash hinged at the ridge and opening at the cross bar, houses running east and west, admit more air and light and are less liable to a sudden fall of rain getting in before the ventilators can be closed, as it is easier to close the ventilators than to let down a lot of sash.

The successful growing of violets may be summed up in four words: "Take care of them."

COST OF COAL.

Robert Craig states that with him, last year's coal bill was more than \$5,000 higher than in ordinary seasons, with William K. Harris it was \$3,000 to \$4,000

more than usual, and with Henry A. Dreer, Riverton, N. J., the increase caused by the strike was not far from \$7,000.

RUST ON CHRYSANTHEMUMS.

Will you kindly tell me through the REVIEW a remedy for chrysanthemum rust, as I think it is; brown, rusty spots on the under side of the leaves. Can these affected plants be used as stock plants for another season? C. A. M.

Without a doubt the brown rusty spots mentioned as being on the under side of the foliage is the rust. These brown spots, when ripe, burst open and a brown powder is scattered round and every grain of this brown powder is a disease germ, carrying and reproducing the disease everywhere where conditions are favorable for its development. We have found that sulphide of potassium dissolved in water in the proportion of one ounce of the potassium to two gallons of water and sprayed on the under side of the foliage will hold the disease in check and prevent it from spreading to adjoining plants. Be sure to get the sulphide and not sulphate of potassium, as the two are, I understand, quite different articles.

The plants may be used for stock next year and if they are sprayed with the solution mentioned, a time or two in the early spring, the rust will not appear again the following year. We have not had rust two years on the same variety and for the past two years have not

had it at all. There was a great hue and cry some years ago concerning this disease, but one seldom hears of it now. It is much more liable to appear when the season is wet than when the season is dry on plants growing outside, and the obvious inference is not to syringe plants under glass more than is neces-

and a credit for every debit entry, so that the books can be balanced and discrepancies located. I have found that a very complete record can be had by running three books, a cash book, journal and ledger. The cash book, as its name implies, holds a record of all the cash transactions in the business, the left hand or debit page being for all moneys received and the right hand or credit page being for moneys paid out. The

and credit to credit. A notation is made in the cash book and journal of the ledger page to which they have been posted, this notation showing that they have been carried forward into the ledger and also give a ready means of looking the entries up should occasion require. Each entry is also paged in the ledger, showing from where it was posted.

As the footing of the two columns of the journal correspond, and both sides of the cash book balance, when these amounts are forwarded to the ledger and the balances taken from it they must correspond when the cash on hand is added: When these balances are taken from the ledger and tabulated we have a trial balance. Should there be any variation in the amounts of the debit and credit columns of the trial balance there is the omission of a ledger account, or an error in carrying the amounts forward from the cash book or journal to the ledger, or an error in striking the balance in the ledger. The fact that the ledger accounts must balance is the best feature of the double entry system, as you are enabled at any time to strike a balance, and if the books do not balance you know that an error has been made and you can then look for it in order to make corrections.

At least once a year the books should be closed. I have found July 1 to be the most convenient time to do this, as it is between seasons. In order to close the books a loss and gain account is opened in the ledger and to it are posted the various items of expense from the ledger and also depreciation on houses, tools, heating plant, fixtures, etc. These expense items all go on the debit side of the loss and gain account. On the credit side are posted all the receipts, from whatever source obtained. An inventory of all the stock on hand is made and if it amounts to more than called for by the stock account in the ledger, the excess amount is posted on the credit side of the loss and gain account. If it is less the discrepancy is posted to the debit side of the loss and gain account. The difference in the footings of the two columns of the loss and gain account will tell whether you have made a profit or sustained a loss during the time the books have been open.

You will see from the loss and gain account which I have submitted that the books show a loss of \$636.09. If, however, a proper set of books had not been kept, if no depreciation had been allowed for fixtures, no depreciation allowed for greenhouses, or for heating plant; if interest on the capital invested had not been charged up as an expense, we would have a very different showing. In this case we would have a profit of \$2,171.05, as shown by this second loss and gain account.

Which of these loss and gain accounts is correct, which is honest, which will tell you exactly where your business is going, which will enable you to put your finger on the leak, if a leak exists, or will awaken you to a realization of the true standing of your efforts? You may say that it is not correct to write off depreciation for fixtures, greenhouses or heating plant; that they are all there and that you will use them until they have to be replaced, when you will make a charge for them. But is this honest with your business? Does not each year receive a certain amount of use from these items and should it not be charged for that use? Depreciation is one of the heaviest expense items in our business and its omission may make a considerable difference in the season's showing; but is it right to leave it out?

The same thing will apply to the capital invested. You may say it is your money and you do not have to pay in-

THE TWO SIDES OF THE CASH BOOK.

1902.		CASH.	DR.	1902.	CASH.	CR.			
July	1	To State Bank.....	57	\$ 21.90	July	1	By Mrs. Graham.....	54	\$ 5 13
	"	" Miss Mitchell.....	409	4 00		"	" Thos. Fox.....	68	1.00
"	"	" Merchandise.....	13	8.75	"	"	" Labor Acct.....	60	2.50
"	3	" M. M. Ayers.....	126	8.25	"	"	" S. Beatty.....	842	5.00
"	"	" Plant Seed Co.....	344	175.42	"	3	" Express.....	66	.65
"	"	" C. C. Nichols.....	830	3.00	"	"	" State Bank.....	57	175.42
					"	"	" Gasoline.....	66	1.30
					"	"	" Polar Wave.....	404	6.00
					"	"	" Balance.....		19 32
				\$216 34					\$2 6.34
July	4	To Balance		\$ 19 34					

sary to keep down insects. I have seen it spread all through a batch of plants standing outside in a week, when it was raining all the time, while plants thirty feet away in a greenhouse were untouched. If the subscriber will use the solution and keep the foliage of the plants dry he need not worry much about the rust.

BRIAN BORU.

GREENHOUSE ACCOUNTING.

BY ROBT. F. TESSON, ST. LOUIS, MO.

After having acceded to the request that I prepare a paper under the heading, "Systems and Accounts for Greenhouses and Forms for Determining the Cost of Production," I found that instead of having an easy subject I had been assigned a tough proposition. The moment you seriously start to consider the subject it becomes so elusive, so diversified, appears in so many shapes and presents so many points that have to be considered, that it is impossible to do the subject justice in a single paper, and the one that I have prepared to read you today treats of the subject in the barest outlines.

I am afraid that the subject of systematic accounting is looked upon rather as an impossibility by a great many of our members and as something, anyway, that is too fearsome to be tackled by the ordinary florist. And with this summing up the matter is let rest, he being content to take things as they come, and, as the saying has it, goes it blind. This, however, is radically wrong. We all should know, both for the protection of ourselves and our creditors, what we are doing. We should know at the end of the year, or sooner, whether the business has made or lost money; if we have made money, where it came from; if we have lost money, where it went. Were our gains derived from properly conceived and carried out plans, or from some accidental or outside source? Were our losses caused by failure of crops, by lower prices, by heavy expenses or through lack of system in attending to the details of our business? This knowledge can only come from a properly conceived and carried out system of accounts. The object of all systems of accounts is to exhibit the results of the transactions of the business during specified periods, arranged in such a manner as to inform the proprietor of the business of the amounts of revenue and how they have been produced, the amounts of expenditures and their details, and the net income remaining. The best system, therefore, is the one which will furnish these particulars in the clearest possible manner, with the least expenditure of time and labor.

Difference in the requirements called for by the various branches of our business cause changes to be made in the details of the system adopted; the underlying principle remaining the same, however, in all cases. Every business should open a set of books, preferably a double entry set; in a double entry set of books there is a debit for every credit entry,

balance between these two pages shows the cash on hand.

The journal is used for credit transactions and all entries of amounts payable such as rent, light, taxes, etc.; and for amounts receivable, such as bills for

THE JOURNAL

JULY 1902.			DR.	CR.
57	Sundries, Dr. State Bank.....	—2—		\$ 9.32
326	D. Husband.....	2692	\$ 3.32	
345	Christ. Childs.....	2693	6.00	
278	Kupferly Bros.....	—3—	Dr.	58.06
57	State Bank.....	2702		58.06
265	H. G. Berning.....	—3—	Dr.	46.17
13	Merchandise.....	—31—		46.17
168	Advertising.....	—31—	Dr.	7.50
328	Florists' Pub. Co.....	—31—		7.50
49	Repairs.....	—31—	Dr.	36.91
255	Hadley Dean Glass Co....			34.70
278	Kupferly Bros.....			.65
348	Boeckler Lumber Co.....			1.56
50	Labor Account.....	—31—	Dr.	69.72
841	E. Bokan.....			18.40
640	S. P. Long.....			18.40
342	S. S. Beatty.....			15.50
313	N. Eveier.....			9.07
345	J. Jones.....			8.35
			\$227.68	\$227.68

goods sold, or, in other words, bills receivable are made in this book.

In the ledger an account is opened with every person with whom we have credit dealings and with items that we wish to keep track of. Under this head would come capital, greenhouses or plant, land, machinery and tools, heating plant, stock, etc. Expenses would be subdivided into labor, fuel, repairs, advertising, interest, insurance, miscellaneous expenses, etc. All items entered in the cash book and journal are posted to the ledger under their proper headings, the items from the debit side of the cash book to the credit side of the ledger, and from the credit side of the cash book to the debit side of the ledger. The debit and credit columns in the journal are posted to the same side of the ledger, debit to debit

THE LEDGER.

1902.				KUPFERLY BROS.				1902.			
July	1	To State Bank.....	21	58 06	July	1	By Balance		221	\$58 06	
"	"	" Balance		1 65	"	31	" Repairs		221	.65	
							" Express.....		222	1 00	
				\$59 71						\$59.71	
					Aug.	1	By Balance.....			\$ 1.65	
1902.				REPAIRS ACCOUNT.				1902.			
July	31	To Sundries	321	\$36.91							

1902.				1902.			
June	30	To Expenses.....	74 \$ 515.35	June	30	By Mdse.....	10 \$7,164 12
		" Labor.....	64 3,374.12			Stock.....	79 66 54
		" Repairs.....	99 135.20				
		" Adv.....	168 18 90				
		" Fuel.....	175 985.56				
		" Insurance.....	193 30 48				
		" Fixtures, 10 per cent.....	209 80 32				
		" Greenhouse, 5 per cent.....	204 867.48				
		" Heat, plant, 8 per cent..	364.80				
		" Interest, 6 per cent.....	1,494 54			Balance.....	636.09
			\$7,866 75				\$7,866 75
July	1	To Balance.....	\$ 636 09				

erest on it; still if you borrowed it from bank or trust company to put in your business you would have to pay interest for its use; if you borrowed it from an individual you would have to pay for its use. And now when you have borrowed it from yourself for the business why should not the business pay interest on it? If it was not invested in your business you could place it in a bank or trust company and draw 3 per cent for it; you could buy bonds with it and get 4 per cent; you could invest in deeds of trust and get 6 per cent for its use. Why, then, should it not be drawing interest when invested in your business? You have borrowed it from yourself rather than from some one else.

These two samples of loss and gain accounts should be studied. They will bear a lot of thinking over. They will show the real from the apparent gain, and I am apprehensive that it is the apparent gain that we see and by which we are misled.

From the loss and gain account we gain another pointer. This is the cost of operating the business, and by finding the number of square feet of bench surface or producing area contained in the houses we get the cost of operating the plant per square foot; or in other words we know how much each foot of bench space must produce in order to pay operating expenses.

Cost Accounting.

The principal idea in keeping a set of books is to enable one to know exactly what the business is doing, and the one feature in business that will enable you to make your business pay is the ability to tell what it costs you to produce a

RECORD OF ROSES CUT.

In this table the grades are shown, 1sts, 2ds and 3ds, in column. The bottom line each day shows stock sold and the top line under the next day the number of roses of each grade carried over from the day before.

Date.	Kaiserin.	Carnot.	Gates.	Ivory.
April 4.....	2 2 1	5 2 1	8 4 3	3
	11 5 4	5 1	3 9	9 9
	2		1 1	
	1 4 10	2 2 10	5 5 9	
Cut ...	14 13 15	7 9 12	13 13 22	9 12
Sold ...	12 12 12	12	12 12 18	12
April 5.....	2 1 3	7 9	1 1 4	9

given article, so that you can intelligently put a price on it that enables you to make a sufficient profit to justify the transaction. The system adopted and carried out that enables you to do this is called cost accounting. Records are kept of all the items that enter into the cost of production, so that the exact cost of the finished product is known. These systems vary with different lines of business; the same principle, however, underlies them all. They have been brought to their fullest development in manufacturing enterprises, where records are kept of every item that enters into the cost of production.

The florists' business, that is the growing end of it, has always impressed me as being a strictly manufacturing enterprise. You have, in the first place, your plant or greenhouses; you have the tools for doing the necessary work; you have your raw material to work with; you employ labor, and lastly you turn out the finished product, either plants or cut flowers. Now, what opinion would you hold of a manufacturer of boots and shoes, of cigars, of hardware, or of any manufactured article, who after having produced these articles did not know for what he could sell them to make a profit

because he did not know what it had cost him to produce them? Yet how many of us are in this business condition? If we are producing cut flowers can we tell the cost to us of a dozen roses or carnations or hyacinths? If we are growing plants what does it cost to get a kentia into a 5, 6 or 7-inch pot or a geranium into a 4-inch. When this matter of cost is considered from an outside point of view, it seems that this would be the first question that would be determined, instead of being, as I think, about the last that is taken into consideration by the person growing the stock.

You may be all right; you may be receiving prices that are paying you; but do you know it? Are you sure that all of the items produced are paying equally well? Are you not making up on some

LOSS AND GAIN. (2)

1902.				1902.			
June	30	To Expenses.....	74 \$ 515 35	June	30	By Mdse.....	10 \$7,164 12
		" Labor.....	60 3,374 12			Stock.....	79 66 54
		" Repairs.....	99 135 20				
		" Adv.....	168 18 90				
		" Fuel.....	175 985 56				
		" Insurance.....	193 30 48				
		" Balance.....	2 171.05				
			\$7,230 66				\$7,230 66
July	1	By Balance.....	\$2,171 05				

lines what you have lost on others; and at the end of the season when final plans are being made for another year can you tell what lines to go light on and what lines to push? Can you decide what varieties to cut down and which to increase? If you cannot do this, and do it intelligently, you are not making the most of your opportunities.

Without entering into all the details of cost accounting I will show a few form records that will start one to systematizing his business and that can be elaborated to any length. I have had made for use a special form of blank-book, although any blank-book can be ruled to serve. The special feature in the one mentioned is its size and ruling. The pages being 17 x 12 and when opened presenting a surface 17 x 24. It is ruled horizontally into seven spaces, one for each day in the week, and vertically into as many spaces or columns as may be desired, and the columns can be of any width. The copy shown has been used for cut flowers and gives the number and grade of flowers cut. These columns can be used for a number of purposes. Under a wide column headed "Remarks," information can be inserted, dates of moving stock can be put down, the arrival and planting of bulbs and their condition can be noted, bulbs brought into the

houses for forcing for Christmas or Easter can be entered and later their earliness or lateness can be noted for future reference. Thus by a few seconds' work with a pencil an established record is made that can be referred to for years to come.

The item of the first importance in ascertaining the cost of production of cut flowers is to ascertain the number and quality produced per given foot of bench space. I think it more satisfactory to figure per foot of bench space than per plant, as owing to the differences in the distances the plants are placed in benching the records of production in any one place would vary from year to year, while a comparison with another place to see what the differences are would be entirely misleading. This record of quality and quantity is provided for in the book shown. In order to find the number of square feet planted to any one variety it is necessary to measure up the benches after planting, and this need be done only once during the season. Dividing the number of square feet into the number of blooms cut gives the production per square foot. I like to have this production worked out every month, so you can tell at the end of the season when you cut the most flowers. You would rather cut three to a foot in December than six to a foot in June, and the record will stimulate you to increase the winter production when you note the tendency to rest shown at this, the period during which the best returns are received.

I show two records of Meteors for successive years, the first being with young stock planted early and the second with the same stock carried over, and the one having this record would hardly throw out one-year-old Meteors. I also show a record of handling paper whites for two years in which case the gross profit has been determined.

I do not think it necessary in ascertaining the cost of production to have a card follow each lot of plants through their life in the houses. This could be done with several lots or any special lot to familiarize oneself with the workings of the system, the principal point being to allow for all the items that enter into the cost of production. A card, however, should be provided for each lot or variety of which a record is to be kept. Suppose, for instance, a record is wanted of the cost of growing palms. A card would be prepared as shown calling for the cost of the production per 100 or 1,000, as the case might be. The first item would be cost of seed or plants; if seed was sown a cost of seed would be made and left open until the percentage that germinated could be ascertained, when the proper amount would be filled in. Then would come labor of boxing and putting away. The next item, would be for care and space occupied by the seed flats,

1 YEAR METEORS. 2 YEAR METEORS.

	Cut.	Sold.	Sell Pr.	Ret. Pr.	Cut.	Sold.	Sell Pr.	Ret. Pr.
July.....	2.09	1.11	2.06	2.29	4.24	2.00	2.42	4.82
August.....	3.68	2.03	3.11	6.32	3.22	2.28	2.00	4.56
September.....	3.89	2.40	1.00	9.62	5.10	3.42	2.79	9.56
October.....	3.21	2.44	4.29	10.47	5.25	3.41	3.57	12.22
November.....	2.39	1.89	8.39	15.68	3.03	2.28	3.96	9.04
December.....	1.25	.95	5.89	5.60	2.67	2.33	7.99	18.61
January.....	.64	.57	5.17	2.97	2.72	1.81	6.31	11.45
February.....	1.12	.69	6.33	3.72	3.14	2.54	5.88	14.96
March.....	3.09	2.16	4.66	10.07	3.93	3.72	4.14	11.28
April.....	4.22	3.32	3.87	12.88	6.02	3.70	3.34	12.36
May.....	5.19	3.63	3 55	12.92	8.00	5.36	2.66	14.28
June.....					5.00	3.32	2.67	8 86
	32.77	21.19	4 57	2 54	52.32	35.17	3 98	132.00

SUMMARY.

Cut.....	30.77	52.32	Selling Price.....	\$4.57	\$3.98
Sold.....	21.19	35.17	Returns per plant.....	2.54	1.32

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Golden Gate and Ivory are of all the teas the least susceptible to these changes and are on this account the best

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Now you will be ready to put the supports on as some of the varieties are sending up blooming shoots and as some of these will be getting longer they will need something to hold them upright. All that will be necessary for the present and for some little time to come will be to hold the plant together so that the base of the flower-stem cannot fall away from the plant and perhaps break off. There are many devices on the market and most of them have merits of their own. The main thing to consider besides the holding up of the plant is that the support should not crowd the plant. Most of the wire supports are now designed to be made larger or smaller according to the size of the plants and the strongest objection to them has been done away with. Their cost at first seems quite heavy where large quantities of carnations are to be supported, but they are all made of galvanized wire and will last many seasons and in the long run their cost is not so heavy as it at first seems.

Perhaps the most popular method in use now is a wire support for the body of the plant and a network of wire and string about a foot above the bench to hold the flower stems and later on another net work above that. This method permits of somewhat freer access to the center of the beds when weeding and stirring than our old method, but also necessitates frequent going over the plants to put the shoots inside the rings. We shall this year use the same method that we have used for several years past.

PAPER WHITES.							
	Bulbs	Cut.	Sold.	Returns.	Bulbs	Cut.	Returns.
December.....		606	6'6	\$30 18		2,374	2,008
January.....		24	21	1.44		4,068	3,469
February.....						1,884	1,860
	1,000	630	630	\$31.62	10,000	8,256	7,328
							\$218 45
Returns.....				\$31 62			\$218 45
15 per cent commission.....			\$4 74			\$32.76	
Cost of Bulbs.....			7.50			75.00	
Freight.....			1.00	18.24		5.00	112.76
Gross profit				\$18 38			\$105.69

the cost of operation per square foot of bench space, shows us that the cost of operation is 50 cents per square foot of bench space and charges on that basis would be made. If catch crops are put in that only occupy the benches for a short while the charges would be heavier against the crops grown in winter than in summer.

I think that from the foregoing any one that is at all interested in this subject can work out a system of accounts and cost record that will prove satisfactory and profitable and that will be of permanent value. It may take a little time to work it out and keep it in operation, but there is a vast amount of satisfaction as well as profit in knowing exactly what you are doing, and the more exact this knowledge is the more valuable it becomes.

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Appearances are very deceptive, especially where a mulch has been used, and nothing but a strict examination of the soil can be safe. There will also be other portions of the benches which, under the altered conditions, will demand closer attention. In Meteor houses, where a higher temperature has to be maintained, great care is required to keep the benches all equally moist, for if the roots are allowed to become over dry during this change a crop of yellow foliage will be the result, from which it takes them a long time to recover.

Varieties which are as erratic as Lib-

and most suitable kinds for the less experienced grower.

Ventilation will require particular care during this period. The ventilators should never be closed tight unless to keep out rain, as this causes sweating, which soon softens the foliage.

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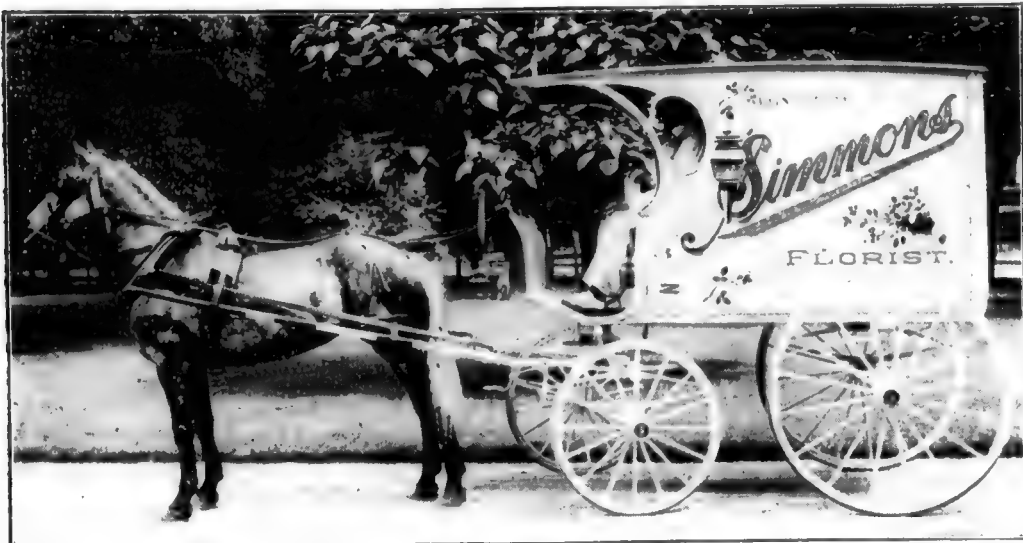
COST CARD—TO BE FILLED IN.			
Kentia Belmoreana 1,000.....			
Preparing soil, planting and placing.....			
Care and space, ... feet, weeks			
Potting into 2-inch, preparing and placing			
Cleaning			
Care and space, ... feet, weeks			
Shifting into 3-inch, preparing soil and placing.....			
Cleaning and restaging			
Care and space, ... feet, weeks.....			
Shifting into 4-inch, preparing soil and placing.....			

come from any source unknown to you. Be sure that it has not been ruined with disinfectants before it was brought to you. It should be about half rotten, in such a state that it can be crumbled up when it is put on the benches. I do not approve of using manure that you will have to plaster over the bench like you would put cement on a walk. That kind will lie too close, keeping the air away from the soil and causing the whole to sour.

To get the manure into proper condition for mulching it should be handled from three to five times at intervals of about a week. Many growers rub it through a 1-inch mesh screen before putting it on the benches and this is a very good practice, but it is a trifle

I have described it several times in these notes and will not go into details unless some reader should want it described later, when I shall be glad to do so. I will merely say that it consists of wires stretched lengthwise of the bench between the rows and strings run straight across between each row of plants, and be sure you stretch the wires tight.

I was glad to see in the REVIEW that the A. C. S. is going to consider the advisability of examining carnation seedlings several times in a season before awarding certificates of merit. This would be a decided step forward, I think, and every grower of carnations will be benefited by it, whether he be a seedling grower or a cut bloom grower.



Delivery Wagon of J. S. Simmons & Son, Toronto.

The A. C. S. has done great work in raising the standard in quality of the varieties introduced to the trade and through its influence the chances of a variety producing blooms of inferior quality being sold in any considerable quantity have been reduced to a minimum, but we are asking the society to do still more for us, and we have a right to do so. A few years ago our demands of the seedling raisers were mostly for larger blooms, better colors, and better stems and in fact a general improvement in the quality of the products of the plants.

In producing this quality in many instances there was necessarily some sacrifice of quantity, and now we are demanding the latter in addition to our former demands. We have as large and fine blooms as any one could wish for, but unfortunately most of these varieties are shy or late bloomers. We have enough of that kind now and while we will welcome any improvement in quality, we are more anxious to have varieties that will produce large quantities of good blooms up to the present standard. Mr. Scott is to make a special study of the matter and give us his conclusions at Detroit in February and I have no doubt that he will find many reasons why it would be a good thing for the trade as a whole. I for one have been convinced long ago that it is only a question of time until it will have to come.

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Before giving results obtained by this method it may not be amiss to say that, as described in notes of May 7, it is a compromise between field culture and culture entirely under glass.

Our plants were cut from flats late in April and potted into 3-inch; as soon as the roots had begun to encircle the ball, a shift was made to 4-inch. The first week in June they were placed pot to pot in frames; no further shift was necessary, the only attention given being to top, water as required, and stand over once, spacing to allow for growth made. By July 15 we had them all planted and growing nicely, no losses having occurred outside or since housing.

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giving short stems early in the season. Other varieties were also tried, among them being Estelle and Enchantress, but in comparison none equal the plants of Lawson, which variety seems particularly suited to this treatment.

In comparing field-grown plants with pot-grown stock, a marked difference is noted, although our field plants were housed but a week later. In comparison of plants, while less heavy, the pot-grown stock has grown more rapidly and gives stems fully twice as long as field plants. By judicious topping, no doubt heavy plants will result by October, which is ample time in which to get our stock in good condition for the season's strain. While this system entails some extra handling of plants, the balance is restored at housing time by the absence of anxiety, spraying, shading and extreme care in ventilation.

The matter of water supply is necessarily more or less dependent on the hose and sash, as in periods of drought or continuous bright weather, artificial watering has to be employed and in case of excessive rain sash can be used to avoid an over-supply; but to have this matter under control counts for much.

The method allows one to adjust the nature and fertility of the soil to suit the needs of the variety grown and would seem to support my belief that proper selection of soil and control of moisture supply will lead to the elimination of trouble from stem-rot, more especially so when it is considered that this

disease has made no appearance at any time among the plants grown in this manner.

Although all varieties will not take kindly to this treatment or cannot be said to bring returns enough earlier than field-grown plants to warrant the change, there is no question that varieties very susceptible to stem-rot or impatient of disturbance in lifting and consequently slow in getting established, will under this or a similar system give much better and earlier paying returns. I would not advocate the handling of one's whole stock or all of any one variety in this way, for there is nothing so rejuvenating to any plant as to give its roots their own sweet way undivorced from mother earth.

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We notice nearly all growers favor benching carnations early. There may be very good reasons in some establishments to make it necessary to plant from September 15 to 25. In the opinion of experienced growers would they advise planting in full of buds or to break the tops back close, and when should the last topping be done with September 15 to 25 in view for housing? P. A.

I would have to have very strong reasons to make me defer planting in my carnations to as late as September 15 to 25. In fact I would almost despair of raising carnations for profit under such conditions. A few years ago it was the rule to plant almost any time just before hard frosts occurred and many growers attempted to handle the plants so carefully that the buds that were formed outside would open up in the house into good salable blooms, usually without success. The more progressive ones took off all the shoots that had formed buds, believing that the plants would resume their growing much quicker and produce a crop of good blooms earlier. In this they were right, but gradually they began to realize that this fall crop which they had been cutting off and throwing away could be saved by earlier planting, and earlier planting became the rule. Since then we have found that earlier planting improves the midwinter quality so much that we would very reluctantly go back to September planting.



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January.....		21	21	1.41	1,068	3,461		81.32	
February.....					1,884	1,869		55.69	
	1,000	6,9	6,30	\$31.62	10,000	8,256	7,328	\$218.45	
Returns.....				\$31.62				\$218.45	
15 per cent. commission.....				\$4.74			\$32.76		
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Freight.....				1.00			5.09		112.56
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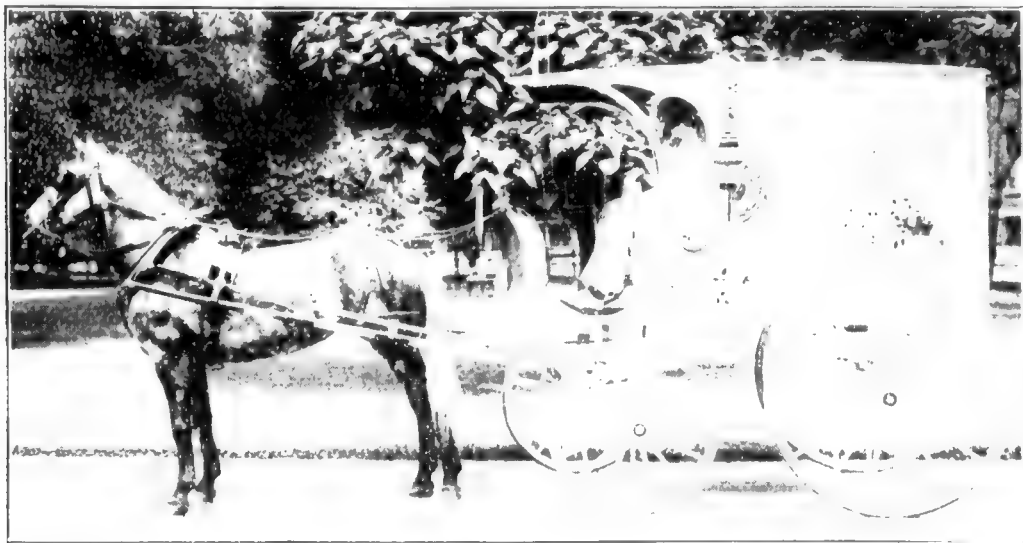
Kentia Belmoreana 1,000	
Preparing soil, planting and placing	
Care and space, ... feet, ... weeks	
Potting into 2-inch, preparing and placing	
Cleaning	
Care and space, ... feet, ... weeks	
Shifting into 3 inch, preparing soil and placing ..	
Cleaning and re-staging	
Care and space, ... feet, ... weeks	
Shifting into 4 inch, preparing soil and placing	

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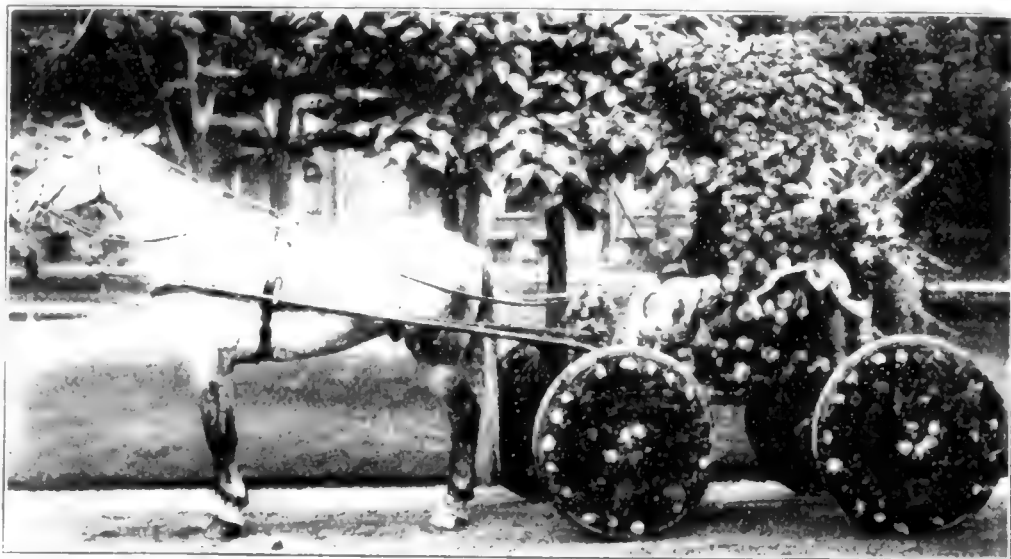
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It would have paid you to lift your carnations and pot them any time before August 20, into about 4-inch pots, and then plant them on the benches just as soon as you can after they have rooted through well. You surely have a bench or two that you can spare to put the pots on. The extra work would not be very great, because they will become established in the pots quicker than they would on the bench, and when they are planted on the bench there will be no wilting, etc. They will take hold much quicker from the pots than they would from the field, too. You will gain almost as much as you would by planting them on the benches at the time you pot them.

However, if you have them in the field until the date you mention you should remove the blooming stems as soon as the buds are well set and a few days before you plant you should go over them and remove all those that would show a bud by planting time. If the plants are of fair size I would not top them so close from now on as I would earlier in the summer. They should be encouraged to throw blooming shoots from now on rather than grass, but you should not allow the plants to waste their strength on perfecting the blooms. You can by good managing cut a very fair crop of blooms by Christmas, but they will not be as good as they would be from earlier planted stock, nor will there be so many. You will also lose at least a 10 weeks' cut and from 25 to 50 per cent in quality up to March 1. Will the use of your houses for some other crop between August 1 and September 25 repay you for this loss? You know your business better than I do, but think this matter over carefully before you decide to plant so late. A. F. J. BAUR.

THE FOLIAGE PLANTS.

Rejuvenating the Stock.

From July to about the end of October is the season of most rapid growth in this class of plants, the warm nights keeping them in a state of continuous activity. And it is also during this season that the patching up of the various remnants of plants that have been used for decorating is going on, an operation that occasionally pays where one is compelled to do more or less cheap competitive decorating.

An *Areca lutescens* that has been badly used up by exposure to frost, draughts and dust is seldom worth keeping for hospital treatment, for this palm does not easily recover from such a condition, but there may be some kentias that could be washed out at the roots and then bunched together in such a way as to produce a passable plant for decorative purposes.

This method of washing out the roots has been frequently described, the object being to remove the old soil to such a degree as to permit of planting two to four plants that may be imperfect in themselves in one pot of a convenient size, a strong force of water removing the soil without any material injury to the roots. But the warning should also be repeated that any plant that has been subjected to this treatment must be repotted as soon as possible in order to avoid drying out the roots, should then be well watered to settle the soil, and be placed in a shaded greenhouse where frequent syringing may be given during bright weather and, in short, should re-

ceive a rational course of treatment tending to promote a new growth.

Phoenix canariensis and other strong rooting palms are sometimes given even much more heroic treatment than this, inasmuch that the over-abundant roots of these palms are sometimes chopped off in order to facilitate repotting into the same sized pot they have been occupying, but this practice is not a safe one to recommend to an inexperienced grower, and as a rule it is much better not to root-prune a palm.

Latania Borbonica is not an easy plant to kill, even though a specimen that has been long used in a dwelling often becomes very shabby and may require some clipping of the tips of the leaves to remove the dead portions, but this palm soon makes a fresh start during the summer, and before Thanksgiving may become quite presentable again.

But if any palm should become badly infested with insects and at the same time be in bad condition from exposure I would not advise any hesitation in regard to the course to be pursued, for such a plant should be at once condemned to the rubbish heap.

Aspidistras.

Aspidistras are always useful to have, and if one has a few large plants that can be spared for stock purposes, it may be found profitable to divide them now, as they will soon recover from the operation and make some more leaves before the plants are needed.

A well-filled pot or tub of aspidistra that has not been disturbed for several seasons may be divided into a number of useful plants of the 5-inch or 6-inch size, and in addition to this there will be found a lot of old rhizomes in the soil that may be cut up into short sections and thus used for further increase of stock. The joints are very close together on these underground stems of the aspidistra, and in consequence they may be cut into sections about one inch in length, the roots being cut back so that the cuttings may be planted more conveniently. These cuttings or root sections are then to be planted to a depth of about one and a half inches, in light, sandy soil either in a bench in the propagating house or in the flats, the latter being most convenient in many places from the fact that the flats may be moved about if necessary. Nearly all of the joints of an aspidistra possess a dormant eye or bud, or will produce one, and though the process of growth may take some months, yet a large majority of these root cuttings will ultimately grow, and as soon as they form a leaf may be taken up and put into 3-inch pots.

Aspidistras will endure partial starvation of their roots about as long as any plant with which I am familiar, but they will also respond to more generous treatment, and a fair proportion of good stable manure and also a sprinkling of bone dust will be found highly beneficial to them at the time of repotting.

Few insects trouble these plants, but during the hot weather there may appear some thrips upon them, if any of these pests are about, but this difficulty may be overcome by vigorous syringing and fumigation.

Crotons.

At midsummer there is little difficulty in rooting croton tops, *Ficus elastica* and other species of that genus, dracaenas and in fact any of those foliage plants

that are commonly propagated by slitting a young growth and then tying up the wound in a handful of damp moss. Large and highly colored croton tops may be more easily rooted by this method than any other, the tops being left on the parent plant until the roots show freely through the moss, after which the cuttings are taken off and potted up in pots of a suitable size, 3-inch pots answering for the purpose unless the cutting be from an extra strong growth.

The newly potted cuttings should be kept somewhat close for a few days, and shaded from the sun until they become established, but it is well to remember that crotons are rather hungry subjects, and may be shifted on quite rapidly, strong cuttings rooted in July being capable of forming good plants in 6 or 7-inch pots before Christmas, provided they are shifted on and given proper cultural attention. The chief essentials are warmth, light and plenty of moisture, both overhead and at the roots.

Thrips on Ficus.

Those not familiar with the ravages of the tiny yellow thrips on ficus are sometimes at a loss to understand what is the cause of rusty looking scars on the young leaves of the ficus, such evidence being quite likely to appear at this season if any of these troublesome insects are at work. These injuries cripple the leaves to a greater or less extent, and if any such marks are apparent it would be well to make an examination at once of the under side of the foliage of ficus, the most likely time to find the insects being in the early morning or else late in the afternoon.

The insect in question is very small, moves rapidly, and is whitish or yellow in color, and if any are suspected to be about it is a good plan to give a strong fumigation with tobacco dust or tobacco stems on two or three successive evenings. Forceful syringing will also tend to dislodge the thrips, but syringing alone will probably fail to effect a cure, as it is practically impossible to reach all portions of a lot of plants with a stream of water, and the nicotine vapor will search out the insects in a much more thorough manner.

W. H. TAPLIN.

VARIEGATED FERNS.

When considering the great number of species and varieties of ferns, it is remarkable to find how few truly variegated forms exist. A good number are what may be termed accidentally variegated, such as *Pteris cretica*, *P. serrulata*, and *P. palmata*, in which part of the fronds appear freely splashed with white or yellow. Such forms are also occasionally met with in the genera *Asplenium*, *Lomaria*, *Nephrolepis*, etc.; but in all these cases the variegation is not constant, notwithstanding the care and attention bestowed on them by the cultivator. In *Adiantum cuneatum variegatum*, the character is often retained for a good length of time, but large specimens are seldom, if ever, seen; if only this form could be grown successfully in large quantities it would prove an acquisition for decorative purposes. The only other variegated *Adiantum* is *A. macrophyllum albo-striatum*, a most beautiful plant when well grown, the young tinted fronds freely streaked with white, rendering it particularly attractive.

The *pteris* family contains the most useful of variegated ferns. Foremost of

these; from a decorative point of view, is *P. cretica albo-lineata*, which grows well in a cool house, and stands the atmosphere of a dwelling room as well as most ferns. A crested form of the foregoing is *P. Mayi*, a very beautiful compact plant, and most useful in small pots. *P. argyrea*, generally known as the silvery pteris, is a very vigorous plant, and useful in all sizes from small thumb pots to large specimens. It should receive a heavy compost, and succeeds best under stove treatment, when the silvery markings are more pronounced. It is a variety of *P. quadriaurita*. Another variety, but quite different in growth, is *P. tricolor*, a most beautiful plant when well grown, but it is somewhat difficult to cultivate, the conditions most suitable being a light open compost, warm stove treatment, plenty of water at the roots, and shade; the old fronds soon turn brown if too much exposed, and water must be withheld from the foliage. A very pretty pteris is *P. nemoralis variegata*, which succeeds well under the same conditions as described for the foregoing.

Quite distinct to the other pteris is *P. Victoriae*, with erect, narrow fertile fronds; while the barren ones are only a few inches in length, the fertile ones, in which the silvery markings are more conspicuous, rise a foot or more high. It is easily raised from spores, and succeeds well under stove treatment; a very handsome crested variety of it is *P. Reginae cristata*, in which the variegation is much brighter. *P. tremula variegata* has not proved so highly decorative as was expected when it first came under notice. The variegation is very distinct and pretty, but the foliage is of a somewhat soft texture and does not stand the atmosphere of rooms for any length of time.

There are a few variegated ferns requiring cool house treatment, all of which hail from Japan, and are of very easy culture. The most beautiful is undoubtedly the deciduous *Athyrium goringianum pictum*. This plant is furnished with a fleshy rhizome from which, in the spring, a good crop of variegated fronds is produced, and their beauty is greatly enhanced by the pretty claret colored rachis. It is a most suitable plant for rockwork ferneries. Very distinct from the foregoing is the robust *Nephrodium aristatum variegatum*; its dark shining green fronds have a distinctly light yellowish variegation, and their hard nature renders them valuable for decoration and for growing in exposed situations. The fronds of *Gymnogramma japonica variegata* show a distinct variegation when in a young state, but when mature this is scarcely visible. *Polypodium appendiculatum* may also be included among variegated ferns, the claret colored markings being very pretty, more particularly when the fronds are first produced.

The above comprises all the variegated ferns of any merit. In all classes of plants, variegated forms are much sought after, and any new introductions in ferns would be gladly welcomed.—W. J. DYSON in the Gardeners' Magazine.

THE CYPRESS MARKET.

The lumber trade reports the summer rather dull in the cypress market but fall business opening strong in the west, if demand is a little late in awakening in the east. Stocks are well cleaned up and not only is the market closely controlled, but the demand is so heavy that prices are firm, with a tendency toward slightly higher levels. Cypress is good stuff and has come into general

use for very many purposes, besides for greenhouse lumber since the advance which has put the price of white pine of same grade at a higher figure than cypress.

THE CHINA ASTER.

In Bulletin No. 169, of the Department of Agriculture, there appears the following, compiled from bulletins of the Cornell and Massachusetts Experiment Stations:

The China aster, which has come into prominence in comparatively recent years, is closely related to the chrysanthemum, and, as its name implies, is a native of China. It was originally single flowered and of limited range of color—blue, violet and white—but under cultivation it has been made to assume a great variety of forms and colors, rivaling the chrysanthemum in these respects, although the aster has not been developed to the size of the larger varieties of chrysanthemums and has not yet been made to show the brilliant shades of yellow which are so prominent in certain of the varieties of the latter flower.

In a bulletin of the New York Cornell Station, L. H. Bailey states that—

The China asters are among the best of all the annual garden flowers. They are of the easiest culture, most free of bloom, and comprise a multitude of forms and colors. They are therefore admirably adapted to profuse and generous effects in schemes of planting. They are also worthy of wide attention because they are adapted to many of the purposes for which chrysanthemums are grown, and they can be raised to perfection wholly without the use of glass. They attain their best in the decline of the season, from late August till frost, at a time when many of the annuals and the greater part of the perennials are spent and gone. No garden flowers carry such a profusion of bloom and color down to the very closing in of winter. The aster border still had blooms when the snows fell in November, and when even the wild golden-rods had waned and died.

The China aster is an annual and especially effective in borders. It grows well in almost any soil, but prefers a rich, moderately moist, but well-drained loam. It responds generously to liberal fertilizing. Recently there has been quite a general and widespread failure in successfully growing the China aster, owing to various diseases and insect pests. R. E. Smith, of the Massachusetts station, has been studying this subject and finds among the more important troubles of asters a stem-rot disease or wilt, which is characterized by a wilting and final dying of affected plants, accompanied by a discoloration and rotting of the stem just at the surface of the ground; a yellow disease, which appears as a spindling yellow growth of the branches and leaves and a peculiar abnormal development of the flowers; and root lice, which cause the plant to stop growth and finally wilt and die. In such cases the roots are found to be covered with masses of small, bluish-colored plant lice.

The stem-rot or wilt, although first showing itself at any time during the plant's growth, appears to be contracted only in the seed bed or pricking-out flats. Both this disease and the root lice may be avoided by proper methods of cultivation. For the yellow disease no treatment is known. None of these troubles can be remedied after they have once appeared.

Based on the results of his work, Mr. Smith gives directions for growing asters, applicable more especially to regions north of southern Pennsylvania, as follows:

Start your own plants. Seed planted as late as June 1 will give an abundance of bloom before frost. Procure seed directly from a reliable seedsman. It costs no more and is much more liable to be fresh and true to name. Sow the seed in the open ground at any time after the ground gets into good condition, in good soil where asters have never grown before. Fall

sowing out of doors may also be practiced. For very early flowering sow in cold frames or in the greenhouse, but this, especially the latter, is much more liable to produce stem-rot.

Avoid at all times the use of soil where asters have grown before, especially where the stem-rot or root lice have occurred. Prepare the permanent bed by working in a liberal dressing of barnyard manure during the previous fall and a light application of any good commercial fertilizer in the spring. If this is not practicable, remember that as a general principle the richer the soil the better will be your asters. Plant if possible in moderately moist soil. This will give better growth and less trouble from grubs and worms.

As to varieties of asters to grow, Mr. Smith says:

Asters may be classed into early, mid-season, and late, coming into bloom ordinarily about July 20, August 15, and September 1, but varying, of course, with the time of planting. The Queen of the Market, in various colors, is the standard early variety, together with the similar Queen of Spring, Queen of the Earlies, etc. The recently introduced Tom Thumb Comet or Poodle is also worthy. Of the mid-season, the Victoria, Peony Flowered Perfection and Giant Comet are best known, but by no means include all the best kinds. The new California Branching Comet is especially striking, and many others might be mentioned. Of the late varieties Semple's Branching stands pre-eminent as one of the finest of asters, especially for commercial purposes. The pink Mary J. Semple is considered by many the finest of all asters. It is with difficulty that such a list as this is brought to an end, on account of the many beautiful kinds left unmentioned. The dwarf varieties are numerous and odd, but of no great value for cutting.

MYRTLE.

I enclose a specimen of myrtle and would like to know the variety and where same can be obtained. T. H.

The plant in question, so far as may be judged from the rather scant specimen, may be *Vinca minor*, periwinkle, sometimes popularly called running myrtle although it does not belong to the myrtles but to the apocynaceae. Almost every florist can supply periwinkle. It grows readily but is not always able to stand our winters. Being evergreen the leaves should have the protection of a light mulch. It is a useful plant for cemetery decoration. Some of the advertisers would do well to make a note of it. JOHN HIGGINS.

LONGIFLORUMS FROM JAPAN.

The bulbs imported from Japan are chiefly *L. longiflorum*. Among them are several distinct varieties which differ from each other principally in the periods of blooming, but also in foliage, flowers and general habit. Some have the leaves close together on the stem, the longest and broadest at the base, gradually shortening as the summit is reached. Others have broad leaves, not so numerous as in the case of the plant just mentioned and with less difference in breadth and length between those at the base of the stem and those near the apex. Some of the forms appear to be of a fixed type so far as scarcity of blooms is concerned. This is attributed, by George W. Oliver, to seedling stock raised from unselected parentage and the failure to breed continuously from the most desirable of the seedling plants. If this is the case, as there is good evidence to suppose, it is little wonder that the imported stock lacks uniformity in many of the most desirable characteristics.

Among the numerous forms there is one which shows great superiority over the others. In every respect it may be regarded as an ideal lily. It is said to have been found in a certain locality in Japan and named after the place where it was discovered. It is offered by two dealers under the names *L. longiflorum giganteum* and *L. longiflorum eximeum giganteum*. It is said to be a difficult

subject to propagate vegetatively; consequently it is higher priced than any of the others. Some years ago when first sent to this country it was thought to be a natural hybrid between *L. longiflorum* and *L. Brownii*. The leaves of this variety are not as numerous as in some varieties of *L. longiflorum*; they gradually taper from base to summit, but in this respect are not as pronounced as in some other forms. The stem for several inches above the base is of a blackish-brown color. The flowers are graceful in shape, the tube is short, and the diameter across the perianth is large. The texture of the flower is much firmer than that of any other cultivated lily, and the color is of a dazzling clear white. Either on the plant or in a cut state the flowers, by reason of their thick texture, last longer than those of any other form of *L. longiflorum*. With regard to the time it takes to force, it occupies a position in this respect midway between *L. longiflorum* and *L. Harrisii*. Unfortunately, however, disease is quite as prevalent in this form as in others. Therefore, the propagation of the limited amount of stock available by scales, offsets, or division, and under the same conditions as those existing in the Bermudas will be accompanied with no better results than are found in the *L. Harrisii* product of the island. A bright future for this plant is predicted, not only on its individual merits but also as a parent, both male and female, from which to raise new forms through crossing with other varieties of *L. longiflorum*.

In the greenhouses of the Department of Agriculture there are at present several combinations between this plant and the most approved forms of *L. Harrisii*. The plants are still in the seedling stage, but they will be watched with very great interest to determine the results of careful cross fertilization with the other varieties. Although the plants are so small that 100 could easily be put inside of a thimble, they are expected to flower within seven months.

Some bulbs of this little-known variety which were planted out in the open during the autumn of 1901 along with other *L. longiflorum* and *L. Harrisii* plants, to test their hardiness and blooming periods and also to learn of their adaptability to the soil of this section, showed that they were not only hardy, but that the blooming period was ten days in advance of the earliest of the *L. longiflorum*. The bulbs planted were small and when lifted, during the latter part of August, were found to have increased considerably in size, besides making several small bulbs at the bases of the stems. The soil used is composed of friable loam, having been under cultivation a long time, but no manure had been given within two years before planting. Two dry spells occurred during the period of growth and this retarded their development to some extent.

LEADING CANNAS.

In his paper before the Florists' Club of Philadelphia, Antoine Wintzer, of the Conard & Jones Co., West Grove, Pa., gave an analysis of the canna lists of fourteen leading catalogue houses. The total of varieties listed was close to 300 but most of the lists contained no more than fifty sorts. Italia was the only sort listed in every one of the fourteen catalogues. Following are the varieties listed by four or more:

4 Admiral Avellan.	4 L. Patray.
4 Alphonse Bouvier.	9 Luray.

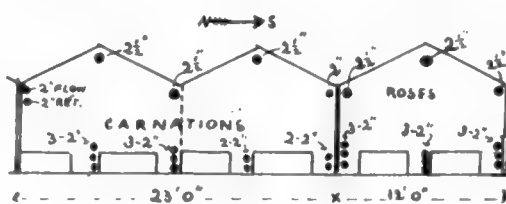
- | | |
|------------------------|-----------------------|
| 11 Alemannia. | 11 Mme. Crozy. |
| 11 Alsace. | 4 Maiden Blush. |
| 6 America. | 8 Martha Washington |
| 4 Ami Pichon. | 8 Mile. Berat. |
| 11 Austria. | 8 Mrs. Kate Gray. |
| 8 Beauty Poltevine. | 4 Paul Marquant. |
| 5 Betsy Ross. | 9 Pennsylvania. |
| 10 Black Beauty. | 6 Philadelphia. |
| 5 Black Prince. | 5 President Carnot. |
| 4 Brandywine. | 8 President Cleveland |
| 8 Burbank. | 11 President McKinley |
| 6 Buttercup. | 13 Queen Charlotte. |
| 11 Chas. Henderson. | 5 Robert Christie. |
| 10 Chicago. | 4 Robusta. |
| 5 Comte de Bouchaud. | 5 Rosemawr. |
| 5 David Harum. | 6 Sam. Trelease. |
| 10 Duke of Marlborough | 11 Secretaire Cham- |
| 11 Egandale. | banne. |
| 4 Flamingo. | 6 Shenandoah. |
| 13 Florence Vaughan. | 11 Souvenir de An- |
| 8 Gloriosa. | toine Crozy. |
| 14 Italia. | 4 Victory. |
| 4 J. D. Cabos. | |

PIPING.

We are building three houses 12x78 with boiler shed and propagating house adjoining an old house. There is about 4,000 feet of glass surface in the new houses, two of which are to be used for carnations and one for roses. There are two benches in each house. How should they be piped? We have a Kroeschell boiler for hot water and wish to use 2½-inch flows and 2-inch returns. We shall have to provide for 20 degrees below zero. Also please advise how many 2-inch pipes will be needed in the propagating house, 5x30, with north wall 4½ feet high and double boarded?

H. & S.

For the new houses described an arrangement of hot water heating pipes as



shown in the diagram will be effective. In the rose house there will be three 2½-inch overhead flow mains and three coils of three 2-inch pipes. In the double roof carnation house three lines of 2½-inch flows and two lines of 2-inch flows, with eleven lines of 2-inch returns in coils as shown. For the propagating house described, four lines of 2-inch pipes will be necessary. HENRY W. GIBBONS.

FROM OUR ENGLISH EXCHANGES.

The Gardeners' Chronicle.

PLATYCERIUMS—At Kew Gardens the platyceriums in the fern house have done much better since being grown in what is termed the natural way, that is, instead of being planted in pots or pans, they are attached to tree trunks to which cork bark has been nailed in such a manner as to form pockets to hold sphagnum moss and peat. Thus treated, the plants can be freely afforded water without any danger of the soil becoming soured. Platyceriums, apart from their noble appearance, are interesting as possessing two kinds of foliage, the one sterile, flat, and comparatively little lobed, reminding one of a huge prothallus; the other erect and deeply lobed, with dense masses of brown spore cases on the under surface. They grow naturally on the branches of trees to which the sterile foliage is appressed, and most of them produce off-sets by means of which they may be propagated. In some cases buds are formed on the roots.

ACTION OF LIME IN SOIL—Lime added to garden soil may be productive of beneficial results in any, or all, of three different ways. Firstly, lime affects the physical structure of stiff, heavy soils, like clay land, producing a flocculation of the silt and preventing its deposition in individual particles, thus making such land more open, porous, and easier to cultivate. Secondly, lime has a soluble influence upon undecomposed rock particles, assisting their decomposition, and consequently adding to the fertility of the soil containing them by setting free the potash and phosphoric acid they contain. And, thirdly, lime is an admirable corrective of soil acidity. The action of the nitrifying organisms results in the production of nitric acid, and if this acid accumulates in the soil beyond a certain point it causes the suspension of activity in the nitrifying ferments and injures the growing crop; in other words, it makes the soil sour. Lime is capable of combination with this acid, thereby preventing its accumulation in a free state and keeping the soil sweet. Excess of humus and lack of drainage also directly cause a sourness of soil that may be corrected by the addition of lime.

SWEET PEAS—The best dozen varieties of sweet peas as voted by twenty-seven cultivators are Black Knight (23 votes), Blanche Burpee (21 votes), Coccinea (18 votes), Countess of Lathom (16 votes), Duke of Westminster (23 votes), Hon. Mrs. Kenyon (27 votes), Lady Grisell Hamilton (27 votes), Miss Willmott (22 votes), Navy Blue (20 votes), Prince of Wales (21 votes), Prima Donna (22 votes), and Salopian (26 votes).

CUCUMBERS—A correspondent writes in regard to the cucumber leaf disease that excessive moisture should be avoided; a more moderate temperature and freer ventilation adopted, the latter condition being too much dreaded by growers. The seed remains perfectly free from disease and there is no fear of its introduction from that source. The prevention of disease, therefore, is a matter in the hands of the cultivator.

ORCHIDS—M. Linden, the well known orchidist of Brussels, believes that degeneration of orchids in cultivation occurs only where the plants have been badly established. The first two years after importation, in his opinion, decide the future of the plants; if by that time they are perfectly established and healthy, they are likely to remain so under suitable conditions, but if they are ill conditioned then, their future life will be but an existence. He condemns leaf-mold as a rooting medium. The plants seem to do well in it at first, but later the roots rot in it. Last year he said: "We (M. Linden and his skillful grower M. Van Cauwenberghe) do not believe that the material, the sustenance for the plant, is of primary importance in orchid culture. Whether the plants are cultivated on blocks (cattleyas), in pots, in green moss, live sphagnum, leaf mold, or in the roots of polypodium, is a very secondary matter. Orchids need no manure, and we never give them any. Aeration, the amount of moisture given at different stages of growth, the resting period, and a proper temperature, constitute the chief factors of success." M. Linden then says that if an orchid is in bad condition, it is in green sphagnum that it will most easily regain vigor.

GARDENERS' COMMISSIONS—The "Prevention of Corruption" is the title of a

measure intended to meet a serious condition in the gardening as well as other trades. It provides that "if any agent corruptly and without the knowledge of his principal accepts or obtains, or agrees to accept or attempts to obtain, from any person, for himself or for any other person, any gift or consideration as an inducement or reward, for doing or forbearing to do any act in relation to his principal's business, or for showing or forbearing to show favor or disfavor to any person in relation to his principal's business; or if any person corruptly gives or offers any gift or consideration to any agent as an inducement or reward . . . shall be guilty of a misdemeanor, and shall be liable to conviction on indictment to imprisonment."

DAHLIAS—A grower of these writes that though the National Dahlia Society awarded twenty-seven certificates of merit last year, yet scarcely a flower could be said to excel the best ones of the preceding year. He expresses the hope that more discrimination will be used in future. He feels that too frequently the awards are made by members of the trade to each others' flowers.

THE Italian National Chrysanthemum Society issues a quarterly periodical publication called "Il Crisantemo."

AN English gardener whose strawberries were taken by birds and who found the usual bird scares ineffective finally tried the experiment of placing in the strawberry beds a couple of talkative parrots. This was successful, the birds being evidently much afraid of the noises made by the parrots.

CHICAGO.

The Market.

Trade is at the lowest level since summer came and the average returns to the growers this week are a discouragement. Demand is not only lighter than ever, but receipts are heavier and it is impossible to do anything at all with a great deal of the stock. Asters particularly being dumped in large quantities. Beauties are more plentiful and not selling any too briskly, the shorts being particularly difficult to move. The crop of Brides seems to be far heavier than Maids with many growers, at least they are more in evidence around the market. Red roses are not so plentiful. Carnations from the field are at hand for all requirements and the cut from the early planted houses is beginning to come along. There are longiflorum lilies again, as auratum are on the wane and some splendid dahlias are seen, but they do not sell very fast. There are good gladioli but prices are very low. Green goods go slow, especially asparagus.

The Convention Visitors.

Chicago took the convention visitors in hand on Friday afternoon. Open house was kept at 56 Wabash avenue, with music and refreshments, until six o'clock, when supper was served at the Auditorium, to about 485, followed by an evening at the concert at the Coliseum. The hotel banquet hall and the tables were very tastefully decorated by Phil Hauswirth and he is entitled to much credit for his work throughout the week. On Saturday the visitors scattered in parties to visit the various greenhouses. Bassett & Washburn report 247 visitors at their place that day. Where-

ever a stranger went he found eatables and drinkables spread for his refreshment and it was not the least of the pleasant features that the consensus of opinion was that never have the establishments in this vicinity made a better showing. One of the laughable experiences was that of William Currie, W. R. Smith, E. A. Feters and Mrs. Feters with O. P. Bassett's automobile.

Various Notes.

Raymond Reinberg, the two-year-old son of George Reinberg, was drowned last Saturday afternoon in a tank of water in the rear of his home. The little fellow had climbed to the edge of the tank, which is 16x16 feet and five feet deep, when he lost his footing and fell in. No one witnessed the accident. A half hour after little Raymond had left the house his body was found floating in the tank by Christ Brecht, an employee. Mr. and Mrs. Reinberg have the deepest sympathy of everyone in the trade in their great loss.

Leo Niessen, the Philadelphia wholesaler, spent a couple of days this week in looking over the methods employed in the cut flower business here. He says that Chicago undoubtedly handles several times as many flowers as Philadelphia, but that the quality does not average so good and that we do not handle the stock so carefully in consequence. A. H. Langjahr, the Brooklyn wholesaler, also examined the methods in vogue here.

L. Coatsworth has been laid up with muscular rheumatism but is able to be about again.

A. Lange has been engaged in a little controversy with the state factory inspector, who charged him with employing a boy under sixteen. Justice Wolff sided with the inspector.

E. S. Thompson had a nice showing of Park Belle and seedling gladioli at Randall's, August 21, and will be over September 1 with another batch. He also has some very good dahlias.

C. L. Washburn goes to Wausaukee, Wis., tonight for a few days outing before taking up the activities of the new season.

G. E. Pieser is at home from his outing at Lakewood, Wis., and Will Kyle is back from Kalamazoo.

George R. Scott is no longer with the Kennicott Bros. Co.

E. C. Amling has had his place tastefully decorated with asparagus this week.

PHILADELPHIA.

The Market.

The cut flower market shows change from last report. Roses are very plentiful and many of them of rather poor quality, due probably to the cloudy and warm weather. The good roses are in fair demand. Beauties are more plentiful and lower in price. Kaiserins appear to be going off crop; they are scarcer and not so good. Maids are improving and some pretty fair stuff is seen. Asters are awfully plentiful in common sorts, white especially. Semple's are displacing the others in the orders for choice stock, and of these and the best Queen of the Market more could be used. It is easy to get a fair price for good asters, but poor ones are bad stock. The REVIEW quotations on asters were too high last week, for which the writer is to blame. Note present quotations. Val-

ley is improving; some very fine spikes can be seen. Gladioli are awfully plentiful. I do not believe that prevailing market prices today can possibly pay anybody not guilty of child labor. Of dahlias there will be more to say later. Carnations are now at low water mark; just a few fine ones can be had. There is no demand whatever for greens, with the possible exception of a little maiden-hair fern. Growers of Asparagus plumosus and Sprengeri, smilax and Adiantum Farleyense will make money by holding their stock over for the present.

A Merchant Prince.

Everybody knows that the term "robber baron," as applied to our business, means a rich grower who waits until some poor retailer or commission man is short on an order and then swoops down upon him, refusing to give up the desired flowers until he has secured every penny the poor fellow has except car fare home. Fortunately there are no real "robber barons" around the City of Brotherly Love—our growers are not so cruel—but we have, and we are proud of it, a genuine "merchant prince." By this term is meant one whose merchandise may be found in great quantities on very many steamers crossing the ocean today, who has dealings in a large majority of the cities and towns throughout this country, and whose transactions aggregate so large a sum as to seem fabulous to any of us. Yet hard work, enterprise and sound judgment have brought all these things to us today. As an example I would give the house of H. Bayersdorfer & Co. Through the courtesy of Mr. Bayersdorfer I was enabled to examine the vast warehouse, some of the things seen here for the first time. Out of such a collection of beautiful and useful things it would be difficult to select and describe a few of special interest. It is a task worthy the graphic pen of Secretary Stewart, but far beyond Phil. Still it must be attempted.

It is evident that the demands of the plant business are growing more and more importunate year after year. This is evidenced by two beautiful crepe papers for pot covers, one a ball pattern straw, very pleasing in appearance; the other, a crimped affair, comes in any shade of color desired to produce an effect. The baskets are in endless variety, here and there a nest whose dainty shape suggests the creative genius of some clever French brain. Then come the vases of Bohemian glass, large transparent ones exquisitely ornamented, and smaller ones of colored glass, just the thing for fragile, shorter-stemmed flowers. These two together recall mantel effects made with a tall vase of Beauties on one side and a tiny vase of orchids on the other. A statice or Scotch holly, perfectly made and of a pleasing shade of green, is considered a great addition to the list of holiday attractions. Then there were some great American Beauty vases of sterner mold than glass, and a new green stem-colored wire, intended to appear perfectly natural when used on the roses in a bouquet, and—but you say, "Phil, you are wound up," so let's work awhile.

Various Items.

M. Rice & Co. report an unusually heavy rush of convention orders. They are working overtime at this usually short hour season.

Eugene Bernheimer has just returned from a trip up the state. He reports carnations as rapidly filling the houses. While the stock is short, the plants that survived the May drought flourished. They look very well now.

William J. Baker is receiving some nice valley.

C. A. Dunn has just returned from Reading and vicinity.

Carl Jurgens, of Newport, is sending in some nice valley to Leo Niessen.

Some of William J. Baker's consignors say that a commission man is like a family doctor; he should be carefully chosen and never changed. A pretty tribute to W. J. B., is it not?

Emil Leiker, of Lansdowne, is sending in some nice Flora Hill to Edward Reid.

Chas. H. Buening, of Easton, has built three fine new houses, open between, about 150x25 each, for roses and carnations.

J. F. Horn & Bro., of Allentown, show the unmistakable sign of prosperity—building.

John Savage, of Mt. Airy, has a fine house of *Asparagus plumosus*.

Eugene Bernheimer has added a new home-made addition to his large refrigerator. The new part is 10x7x4 feet and will be used for greens.

Base Ball

Last Saturday saw a very close game at Atco, N. J., between the employes of Samuel S. Pennock, led by Mr. Watson (no, not G. C.) and the workers on W. P. Peacock's big dahlia firm. Unfortunately the home team was late in toeing the mark. For this they suffered, the visitors being obliged to catch a train at the end of the fifth inning and winning by the score of 4 to 3. Maybe they would have won anyway. PHIL.

ST. LOUIS.

The Market.

On our return home from the convention we found the cut flower trade still dragging along the same as when we left it. We also found first-class stock still scarce, the best quality finding ready sale. There is plenty of poor stock, which nobody seems to want, even at the low rates. Good Kaiserin and Meteor sell well, while Bride and Maid are still small and sell at a low price. Of carnations, both under glass and outdoors, Mrs. Fisher is the best. Some good Flora Hill are also in the market. The colored varieties show the effect of the hot spell. Field-grown stock is becoming more abundant. Quite a few auratum lilies are now in at \$1 per dozen. Hydrangeas do not sell so well. Tuberose stalks are in good demand, with plenty of them in the market. Asters that are home-grown are not extra. The best are being shipped in and the demand is good when of extra quality. The growers claim that the outlook for a better quality of stock in a very short time is good.

The young rose stock is in a very promising condition, more so than at any previous time. The same may be said of carnations. All are looking fine, especially the newer varieties. All plants are now making a fine growth, and particularly those that are planted on low ground where there is plenty of moisture. Out in Kirkwood, where most of the violets are grown for this market, the plants

are unusually fine. They all claim that the St. Louis market will be better fixed for stock the coming season than ever before, and this will be welcome news for the retailers here.

Various Notes.

The St. Louis delegation returned home Sunday from the Milwaukee convention. The members expressed themselves as never having had a better time, and too much praise cannot be given the Milwaukee boys for their entertainment. They did everything and more than they promised, and it is up to St. Louis next year to return the compliment. We are also under many obligations to the Chicago craft for their entertainment of Friday and Saturday. The Milwaukee convention will always remain a bright spot in our memories.

The bowling contest was about the best arranged affair yet held at any convention and much credit is due to our friend, Phil Hauswirth, of Chicago, for the way he handled the contest. Philadelphia, having the best team, won and we offer our congratulations. We missed the genial captain, George Moss, but a team that can win without its captain deserves much praise. We felt sorry for our friends from Chicago, but it was their own fault and they will know better next year. We will be on our own dung hill and will also do better.

George McClure, of Buffalo, is in town, spending a week with his son, who is at Shaw's Garden, in charge of the orchid houses. Mr. McClure is an enthusiast on bowling and was, of course, sorry Buffalo did not win out at Milwaukee. He also expressed himself as having a good time at the convention, and that the Milwaukee boys did themselves proud in every respect.

I will close my letter for this week by saying that we are all glad to be "back among the old folks once again" from the best convention the Society of American Florists has ever held.

J. J. B.

CINCINNATI.

The Market.

There is a slight demand for white flowers, but otherwise very little business is doing. Yet even at that the sales foot up higher than last year. Hot weather is using up the outdoor stock in a hurry. Roses, with the exception of American Beauty and Liberty, are a glut. Short-stemmed stock of Bride, Bridesmaid, Gate, Kaiserin, Ivory, etc., can scarcely be sold at any price. There is a fair demand for the better grades. Beauties are increasing in quantity and some are very good.

Carnations are still scarce, but there are signs of an increase in supply very soon. Several growers are beginning to cut from new stock, and the flowers are good, with fairly long stems. During the past week E. G. Gillett received the first consignment of carnations from the B. K. & B. Floral Co., of Richmond, Ind. These were the first carnations that this firm have cut and they were very good. The variety was Dorothy.

Some very fine asters are now to be had and there are plenty of buyers for them at good figures. The supply of second grade ones is not so large and they bring more money. Gladioli are still very good, but the market is get-

ting tired of them. Some very good dahlias are coming in, but this flower never takes well in this market. The store men will not buy them.

Various Notes.

The Cincinnati party has returned from the convention and all are singing the praises of the Milwaukee Florists' Club. Judging from what they say, the convention was the best ever, and a mark was reached in attendance and entertainment which will be hard to beat. But if such a thing is possible, J. J. Beneke, president of the St. Louis Florists' Club, will do the trick. The Chicago boys deserve lots of credit for the manner in which they entertained the visitors.

A visit to the Lockland Lumber Company plant, at Lockland, O., during the past week proved to be very interesting. This firm is in the midst of the largest business they have ever had in greenhouse material. There was almost ready for shipment a large quantity of material for six houses, 32x150 for S. Alfred Baur, of Erie, Pa. This material had been treated to a preserving process, discovered by the superintendent of this plant, who is a graduate of the University of Berne, Switzerland, and a man of many years of practical experience. This method of preservation is the outcome of years of study and experiments and is decidedly a new departure in the preparation of greenhouse lumber.

The success of the flower shows during the fall festival seems assured, judging by the number of entries already booked. There will be a committee from the Florists' Society to see that every one is treated well, and if you cannot come with your exhibit your stock will be carefully looked after.

Chas. E. Critchell and Miss Bess Critchell had a narrow escape from death while returning home from their vacation. They were in a very bad wreck, Miss Critchell being badly used up. Charlie was more fortunate, a few severe bruises, but he was still able to attend the convention at Milwaukee.

R. A. Betz and family are spending a two weeks' vacation at Wawasee, Ind. Chas. E. Critchell is in town.

C. J. OHMER.

WANAMAKER WISDOM.

"Some one has said if there are ten bakers in town, the one who gives the best loaf for six-pence is sure at last to sell the most bread. That's the bottom of all trade. The one who furnishes the best of anything gets the most trade in that line."—John Wanamaker.

LOOMIS, CAL.—A. Mitting says that the way he grows carnation plants in the field is to plant as shallow as possible and earth up a little. He has the rows two feet apart and runs water between them, the water then wetting under the rows and the carnations grow without check all summer. By having this ridge along the rows it keeps the plants from stem-rot. He cultivates between the rows and the plants grow so fast it is a back-breaking job to keep them pinched back.

It is like being out of the world to be without the REVIEW after one has been reading it for any length of time.—H. V. BETTS, Ormond, Fla.

Plenty of Stock

Good roses and all cut flowers in season.
"Green Goods" a specialty. Write for special
low prices on large quantities in any line.

E. C. AMLING,

The Largest, Best Equipped and Most Centrally Located
Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St.,
Long Distance Telephones 1999 and 1977 Central.

Chicago, Ill.

Mention Review when you write.

AMERICAN BEAUTY.		Per doz.
24-inch stem.....		\$2.00
20-inch stem.....		1.50
15-inch stem.....		1.25
12-inch stem.....		1.00
Short stem.....		\$4.00 to \$6.00 per 100
		Per 100
Brides and Maids.....		\$3.00 to \$5.00
Meteors and Gates.....		3.00 to 5.00
Kaiserins.....		3.00 to 8.00
Carnations.....		1.00 to 2.00
Asters.....		.75 to 1.50
Auratum Lilies, per doz., \$1.25 to \$1.50		
Gladioli.....	2.00 to	3.00
Valley.....		4.00
Asparagus, per string, 25 to 50c.		
Asparagus Sprengeri.....	2.00 to	5.00
Ferns...per 1000, \$1.25.....		.15
Galax.....	1.50	.15
Adiantum.....	.50 to	.75
Smilax.....per doz., \$1.25		8.00

Subject to change without notice.

SAN FRANCISCO.

The Market.

We have the G. A. R. encampment with us at present and the city presents a gala appearance. Miles of ever-green garland have been used to decorate the principal streets and the use of decorative palms and hardy outside flowers has been very lavish in the show-windows around town. Gladioli, dahlias, coreopsis, asters and amaryllises, together with large quantities of huckleberry, brake ferns and oak branches have been used and made a demand for this class of stock that will last for some days to come. Outside of decorating there is very little doing. Flowers are very cheap and plentiful. Asters are at the height of their season at present and are of good quality throughout and very cheap. Roses hold their own in price and are of better form and color. Carnations are plentiful enough for all demands. Tuberoses and amaryllises are seen everywhere and can be had for any price.

Various Notes.

Many of the carnation growers are getting ready to plant their greenhouses at this time and most of them are planting the usual list of varieties, Flora Hill for white, Estelle for scarlet, Lawson, Crocker, Schwerin, Mrs. Joost, Scott and Triumph for pink, and Pingree and Eldorado for yellow. Some Prosperity, Cressbrook, Mrs. Bradt, Genevieve Lord, America and Jubilee will be planted but they are not as largely grown in this section as the varieties first mentioned.

The fact that the California State Horticultural Society is forging ahead rapidly was shown by the fact that forty applications for membership were presented at the last meeting. Some very fine specimens of dahlias were exhibited and a very enthusiastic meeting was held.

James Bell, of Dwight Way, Berkeley, has leased his grounds to a company of Japanese gardeners.

John Vallance, of the Cox Seed Company, read a very interesting paper on "Seeds, Their Germination and Peculiarities," at the last meeting of the Oakland branch of the California State Horticultural Society. Mr. Vallance has

had many years' experience in this line of work and his remarks were highly instructive to the large audience present.

BALTIMORE.

The Market.

There is surcease of the heavy rains, there is more sunshine and the thermometer marks a higher temperature. The thermometer of business, however, went down last week almost to the zero mark. Barring a few funeral orders, general apathy prevailed. The stock of cut flowers is abundant for all calls. Growers are busy with repair work, and if any one of the craft ventured on a trip to the Cream City convention, he kept it hid from scribes as well as pharisees. Doubtless it is all the worse for the craft. There is little news to dispense.

Various Items.

Thomas Vincent, who has a store on West Baltimore street, has rented another on North Charles, corner of North avenue, a very promising locality. J. Adam Ritter, whose place is in that immediate vicinity and who does a handsome business, is spending the summer in Atlantic City.

Alexander Scott, formerly of the Exchange here, is engaged in improving and developing his property on the Hanford road, a suburb which is increasing rapidly in value and population.

Mr. Johnson, for several years office man and bookkeeper with S. Feast & Sons, has severed his connection with that concern, finding the conditions unfavorable to his health.

Alexander McCormick, Jr., a florist of Fullerton, has received the Republican nomination for commissioner of Baltimore county, which is the largest, most populous and wealthy county of our state, this office corresponding to the mayoralty of cities. The same gentleman is president of the Timorium Fair Association, which draws great crowds of visitors and presents many attractions in the way of stock, farm and garden products, as well as horse racing, etc. There are sections with moderate prizes for plants in pots and tubs, cut flowers and floral designs and vases. The fair is held from September 1 to 5.

Another fair in the county is that of the Prospect Park Association, from September 8 to 12, where premiums are offered for groups of palms, collections of cut flowers, bouquets and funeral designs.

James Glass, of Erdman avenue, makes a specialty of ferns and in his house may be seen an almost countless collection of many sorts and sizes, the cultivation of which he follows with great intelligence and consequent success.

Messrs. Madsen and Anderson, formerly partners, and now near neighbors, of Govanstown, who are recognized as the champion growers here of American Beauties, have their respective places in apple-pie order. The untoward season denied them as favorable a start as usual, but they may be expected to turn out products of the usual high standard when cutting time comes. Mr. Anderson is repiping his houses and has converted his steam boiler into a hot water one and will heat by that agency hereafter.

TORONTO.

Trade during the last week has been decidedly slow and it is the remark of many of our retail men that it is the slowest of the season. With the decrease of trade, as is often the case, we notice the increase of supply. Good roses are coming in abundance. This does not speak any too well for the chances of plenty of stock for October, when it is usually wanted. Asters are in great quantity and stock keeping very good.

Mr. and Mrs. J. S. Simmons are taking a tour of the resorts on the Atlantic coast. They are expected home about the first of next week.

We are all looking forward to a big time at the C. H. A. convention to be held here September 2 and 3.

ST. PETER, MINN.—T. Kloss is building a new greenhouse 28x100.

RIVERSIDE, CAL.—P. H. Dorsett, of the Department of Agriculture, is considering the advisability of locating here.

OTTAWA, ONT.—R. H. Wright has one of the handsomest new stores in America, at 54 Sparks street. The fixtures are fine and the storehouse extends back to the next street.

NURSERY NEWS.

AMERICAN ASSOCIATION OF NURSEYMEN.

Pres., N. W. Hale, Knoxville, Tenn.; Vice-Pres., F. A. Weber, St. Louis; Sec'y, Geo. C. Seager, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-eighth annual convention will be held at Atlanta, Ga., June, 1904.

ALL nursery stocks were low in the east and they had fifty-five days drought to retard growth.

THE American Pomological Society holds its biennial meeting at Boston, September 10 to 12.

GEO. H. WHITING has built up a prosperous nursery business at Yankton, S. D. A recent order was for 175,000 Carolina poplars.

THE Standard Nursery Co., of What Cheer, Ia., has been incorporated with \$10,000 capital stock by George W. Zeigler and others.

W. W. STELL, the nurseryman, of Paris, Tex., has bought 1,500 acres near Brownwood, on which James W. Moore, a grandson, will be in charge.

EAKER BROS., of Vinton, Ia., have leased storage and packing facilities at Albert Lea, Minn., and propose to transfer their business to that point.

J. W. DICKEY, proprietor of the Pleasant Valley Nursery, near Scotland, Ind., wishes to deny the report that he will go out of business. Some 500,000 grafts have been planted this season.

NURSERIES AT SHENANDOAH.

In a two-column write-up of the city of Shenandoah, Ia., in the Chicago Record-Herald, William E. Curtis speaks as follows of the nurseries there:

More young trees are grown in and shipped from this little city than from any other town in the world, and the Shenandoah Nursery is claimed to be the largest and most modern establishment in existence. The proprietor is D. S. Lake, who came here from a little town near Concord, N. H., shortly after the civil war and worked as an ordinary farm hand. When he left his old home one of his neighbors owed him some money which he was not then able to pay, and instead of the cash sent him a bundle of grafts which he said might possibly be sold to advantage and he could keep whatever he could get for them. Instead of selling them Mr. Lake leased a piece of ground on the borders of the village and set out his young trees. From that beginning he has now 600 acres in trees, berries and shrubbery and is said to be worth half a million of dollars, all of which has been made on that place. His business is chiefly wholesale and extends to every state in the Union and to several foreign countries. His exports to France are very large. Mr. Lake's annual plantings average 1,000,000 apple grafts, 50,000 cherries, 75,000 plums, 100,000 evergreens and a large assortment of ornamental shrubs and trees. He also grows and sells millions of forest tree seedlings, and about 10,000,000 of apple seedlings every year.

The Mount Arbor Nursery, owned by E. S. Welch, is second only to the one I have just mentioned. It covers about 300 acres and more than 5,000,000 young plants are shipped annually to every state in the Union, Canada and Mexico. Mr. Welch was a laborer in the Shenandoah Nursery until a few years ago, when he borrowed money and set up for himself. There are two other nurseries of lesser dimensions which make Shenandoah the largest center for that business in the world, with salesmen in every state. Altogether not fewer than 25,000,000 grafts and seedlings are shipped out of this town every year, two-thirds of them being young apple trees.

WE HAVE been enjoying a good trade as a result of our ad in the REVIEW.—COTTAGE GREENHOUSES, Litchfield, Ill.

Seed Trade News.

AMERICAN SEED TRADE ASSOCIATION.

Pres., S. F. Willard, Wethersfield, Conn.; First Vice-Pres., J. Chas. McCullough, Cincinnati, O.; Sec'y and Treas., C. E. Kendel, Cleveland, O. The 23d annual meeting will be held at St. Louis, Mo., June, 1904.

PROSPECTS for corn have improved considerably in the past ten days.

MITCHELHILL & Co., St. Joseph, Mo., are building an addition, 40x65 to their seed warehouse.

JOHN M. CLARK, of the Leonard Seed Co., is in Northern Michigan, crop inspecting and doing a little fishing on the side.

REPORTS as to the condition of clover seed crops are very good, not only in Germany and Austria but also in France and Russia. Stocks of red clover are, however, very low on the continent.

PHILADELPHIA.—S. B. Dicks, representing Cooper, Tabor & Co., and James Comont, representing James Carter, Dunnett & Beal, of London, England, were callers recently. Recent advices from the seed growing districts of France are more hopeful. A demand for seeds for the season of 1904 is already quite marked and is setting in earlier than usual by at least two months.

FUNK BROS. SEED Co., Bloomington, Ill., has taken up the matter of breeding corn for the purpose of not only producing perfect ears and grain but adding to the protein, starch or oil content. As corn growers in the Mississippi valley are, many of them, growing their crops for particular purposes, they see a direct commercial return in proportion to the success of their experiments. Prof. Bailey used several photographs, taken in the course of their experiments, to illustrate an article on plant breeding in Country Life for June.

WISCONSIN PEA CROP.

The harvesting of peas in Door county, Wisconsin, is about finished. Thrashing of Alaskas, Extra Earlies, Gems and Advancers has commenced. Some milling is being done and the hand picking has started. Deliveries show a fair quality and the quantity comes up to the revised estimates in most cases. The Telephones, Marrowfats and other late sorts promise to meet expectations and the weather is favorable for getting them under cover in good shape. Alaskas evidently suffered most from the spring frosts and summer rains, but there appears to be sufficient of them in the hands of farmers who grew on their own account to make up the shortage of deliveries to regular contractors. The quality of these promiscuous stocks will hardly be up to the standard, as farmers usually are not well enough posted to distinguish the good from the poor, quantity of bushels being their principal aim.

GOVERNMENT SEED SHOP.

The New York Sun recently printed the following letter from a subscriber at Washington, D. C.:

The chiefs of division of the seed section of the Department of Agriculture purpose to assume the official determination of commercial types and sub-types of vegetables, grains and

75,000 Pot-Grown Strawberry Plants

If planted now will produce a full crop of **LARGE LUSCIOUS STRAWBERRIES** in 1904. We have these in stock in fifteen of the best varieties. Submit your list of wants for special low quotations.

T. J. DWYER & SON, Orange County Nurseries, **CORNWALL, N. Y.**
Box 21.

Mention the Review when you write.

Peterson Nursery,

164 La Salle St., CHICAGO.



PEONIES

And HARDY ORNAMENTAL STOCK.

Write for illustrated price list.

Mention the Review when you write.

W. & T. SMITH COMPANY,

GENEVA, N. Y.

Wholesale Growers of Ornamental Trees, Shrubs, Roses, Clematis, Fruit Trees, and Small Fruits in great variety.

Send for our Wholesale Price List.

Mention The Review when you write.



Send to **THE MOON**

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For { Trees, Shrubs, Vines,
Your { and Small Fruits.

Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.,
Morrisville, Pa.

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American WHITE ELM

Nursery Grown Transplanted Trees.

Best Trees for Park and Boulevard.	Each
25,000 White Elm 2 to 3 in. diam.,	\$1.00
5,000 White Elm 3 to 4 "	1.50
1,000 White Elm 4 to 5 "	2.50
1,000 Hackberry 2 to 3 "	1.25
250 American Linden 2 to 3 "	1.25
50 European Mt. Ash 2 to 3 "	1.50
1,000 Hardy Catalpa Speciosa. 4 to 6 ft. high,	10c
1,000 Russian Mulberry 5 to 7 "	10c
500 Russian Mulberry 8 to 10 "	25c

Thirty-one years' experience growing Nursery Stock in Minnesota. Send for Price List.

Address **CHAS. HAWKINSON,**
EXCELSIOR, MINN.

Mention the Review when you write.

Clearance Sale Rose Plants

4000 Meteors, 3 inch.....	\$25.00 per 1000
1500 3 1/2 inch.....	30.00

BRANT & NOE, Forest Glen, Chicago, Ill.

Mention the Review when you write.

Always Mention the...

Florists' Review

When Writing Advertisers

flowers. These so-called "scientists" for their own importance would create a Government seed establishment overshadowing all seed houses or private enterprises among American seed merchants, and would soon enlarge the free seed distribution from 43,000,000 packages as during this spring of 1903, not alone to 50,000,000 packages, but soon thereafter to 100,000,000 packages, of a retail trade value of \$5,000,000, the same to be given away to a special class of citizen-farmers and carried free through the mails at the cost of several millions of dollars and at the expense of every other class of citizens of the United States. This is class legislation with a vengeance, and without a parallel.

It is a gift by the Government of seeds which if sold by merchants would represent commercial transactions to the amount of \$5,000,000, a most alarming reduction in those opportunities which merchants have a right to expect in the way of doing business. The United States is interfering most unfairly, and to an extent almost beyond conception, for the Government distribution is practically equal to the entire put-out of flat packets of seed by all merchants in the United States, the Government thus reducing the seed packet trade in the United States to the extent of 50 per cent, or just cutting it in half.

What would be the effect upon the dry goods trade if the Government should undertake to distribute free, through the mails, 43,000,000 pyramids of pins, to the value of 5 cents each, or what would be the effect upon the grocery trade if the Government should undertake to distribute free, through the mail, 43,000,000 cakes of 5-cent soap? In either case such distribution would be stopped at the first session of Congress, or many members of Congress would go out of office.

F. H. B.

MILWAUKEE

After the Convention.

The Milwaukee convention now goes into history. It will not be necessary to tell those who were present that it was a grand success in every way, but there should have been a much larger attendance to see the great trade display. The Society of American Florists does more than any other trade organization for its members, and the problem of increasing its membership should be solved. It seems to take a little more than cold facts printed in our proceedings to appeal to the craft to join this valuable society. The time to act is now. Do not wait until train time next year and then find out who is going. Perhaps the fact is that we feel so proud of being a member of the society, and think that we are going our neighbors one better by being a member, that we do not praise it half enough on our return home from the conventions. Tell your neighbors that you have met the shining lights in our profession. Tell them the knowledge you have gained has been of incalculable value. Tell them they can not conduct their business so as to keep abreast of these progressive times without being a member. Every member should resolve now to appoint himself a committee of one to solicit memberships and should have influence enough to bring in at least one new member, which would mean the doubling of our membership for next year, and we feel sure we ought to escort our president-elect, Philip Breitmeyer, into St. Louis several thousand strong.

The programme mapped out was followed successfully without a hitch or the loss of a moment's time. The opening address of President Burton was well received, and the mayor's welcome started the ball a rolling. Adam Graham responded for the society and the convention was on in full blast. The president's reception was held in an ideal place and proved a great success. The bowlers had a grand time, which is saying enough. In addition to the outing tendered the ladies, they had a knack of entertaining themselves, which left no idle moments. The outing on the lake

Burpee's Seeds Grow

SEEDS

THE ALBERT DICKINSON CO.

Timothy, Clovers, Flax, Hungarian, Millets, Red Top, Blue Grass, Lawn Grass, Orchard Grass, Pasture Mixtures, Bird Seeds, ENSILAGE CORN, POP CORN, BUCKWHEAT, BEANS, PEAS, ETC. COTTON GRAIN BAGS. CHICAGO ILL.

CALLA AND BELLADONNA BULBS FOR SALE.

California Nursery Co., NILES, CALIFORNIA.

Mention the Review when you write.

CROP --- 1903

PANSY, SUPERB MIXED, unexcelled, $\frac{1}{8}$ oz., 75c; oz., \$5.00.

CINERARIA, DWARF, finest mixed, pkts., 50c and \$1.00. **CINERARIA, TALL**, finest mixed, pkts., 50c and \$1.00.

BELLIS PERENNIS, Giant Red, White and Pink, pkts., 25c; $\frac{1}{8}$ oz., 40c.

W. C. BECKERT, - ALLEGHENY, PA.

Mention the Review when you write.

was an enjoyable trip; the weather was ideal and the crowd merry. We were like one large family and it afforded an opportunity to show the great social feature connected with our meetings. Chicago boys did themselves proud in bringing us together in one grand love feast and the entertainment at the Coliseum was a rare treat and highly appreciated.

As a final resolution, we wish to thank all members for so liberally responding to our invitation in attending the convention, the exhibitors in making their displays, which feature materially assisted in making it a great success, the advertisers in aiding us in our cause, Chicago for its hospitality, Phil Hauswirth for his laborious task in conducting the bowling tournament so successfully, Robert Kift for keeping the session hall well filled, Miss Fulmer for her entertainment at the president's reception, and the weather bureau for providing the beautiful weather. Guess there is little left to be said. What you have seen and what you have participated in will be borne in memory longer than anything that can be told. C. C. P.

LONDON, ONT.—F. Dicks is building one greenhouse, having recently acquired some adjoining property.

DAVENPORT, IA.—Articles of incorporation have been filed for the Allison-Littig Company. The company will transact a florist business in the city of Davenport. The incorporators and directors are Robert G. Allison, Edwin C. Littig and Victor L. Littig. The capital stock of the company is \$10,000. Robert Allison has conducted a florist business for several years besides being custodian of the grounds of the Davenport Outing Club. He will devote his time henceforth entirely to the business of the company. Edward C. Littig and Victor L. Littig are both Davenport young men of prominence.

ESTABLISHED 1802.

Thorburn's Seeds

for over a 100 years have been universally recognized as the standard of excellence.

Florists are invited to send for our

ANNUAL TRADE LIST OF BULBS just published.

New Crop **Thorburn's Superb Pansy** and **Madame Perret Pansy**, NOW READY.

Cycas Revoluta Stems.

J. M. THORBURN & CO.

36 Cortlandt St., NEW YORK.

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RAWSON'S Arlington Tested

Seeds FOR THE FLORIST

Catalogues Mailed Free.

W. W. RAWSON & CO., Seedsmen, 12 and 13 Faneuil Hall Square, BOSTON.

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SIGMUND GELLER

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Importer, Jobber and Manufacturer of **Florists' Supplies**

JOSEPH HEACOCK, WYNCOTE, PA.

Grower of

Areca Lutescens, Kentia Belmoreana and **Kentia Forsteriana.**

Price list for the asking.

Mention Review when you write.

GRAND RAPIDS VIOLET STOCK.

Imperial, M. Louise and Campbell, 3-in. pots, \$4.00 per 100; \$35.00 per 1000. Campbell, 2 $\frac{1}{4}$ -in. pots, \$20.00 per 1000.

Chrysanthemums, \$20.00 per 1000.

Roses, Ivory, 3-in., fine, \$4.00 per 100.

Smilax, \$20.00 per 1000.

Crabb & Hunter, Grand Rapids, Mich.

Mention the Review when you write.

SAMUEL S. PENNOCK,

Beauties.

Open from 7:30 a. m. to 6 p. m.
During July and August
close on Saturdays at 1 p. m.

Wholesale Florist,
1612 Ludlow St., PHILADELPHIA.

WAUKEGAN, ILL.—Following the convention M. P. Dilger has been visiting friends in Wisconsin.

THE little lady who posed for the photograph which embellished the cover of last week's REVIEW is the daughter of Mr. and Mrs. A. L. Vaughan, of Chicago. Mr. Vaughan was at the convention in charge of the exhibit of E. H. Hunt.

WANT ADVERTISEMENTS.

Advertisements under this head one cent a word, cash with order. Plant advertisements NOT admitted under this head.

Every subscriber is entitled to a free situation wanted or help wanted advertisement not exceeding 35 words in any one issue during the year. If the advertisement exceeds 35 words, send at the rate of one cent for each additional word.

When answers are to be addressed in our care, add 10 cents for forwarding.

SITUATION WANTED—By thoroughly competent florist as grower or working foreman, 34 years of age, life experience in growing cut flowers, bedding and decorative stock. Western state preferred. State terms. Address No. 159, care Florists' Review, Chicago.

SITUATION WANTED—By a practical florist as head gardener on a good private place; a good orchid grower and care taker of fine palms and ferns and making of all kinds of rustic and grotto work, laying out and taking care of fine lawns and shrubbery; best of reference. Address No. 164, care Florists' Review.

FOR SALE—One Florida steam boiler No. 225. Reason for selling: boiler too small for my glass; cheap for cash. Write A. H. Dew, Albion, Michigan.

FOR SALE—Greenhouses, dwelling rooms, rich land, in rapidly growing town of 3000—eight large hotels, numerous boarding places, wealthy boarders a fine chance for energetic man with small capital. Sickness cause of removal. Address No. 161, care Florists' Review, Chicago.

FOR SALE—Cast iron boiler for 2500 ft. of glass, \$50.00 cash. Dann & Son, Westfield, N. Y.

FOR SALE—Ballard's greenhouse, Perry, Iowa; cause, poor health. Wm. Ballard, Perry, Ia.

FOR SALE—Greenhouse establishment containing 3,200 feet of glass surface, together with stock and everything pertaining to the business. Address Tilton Brothers, Aurora, Ill.

FOR SALE—One boiler 4x14 ft., 1200 ft. 1-inch steam pipes, 1000 ft. 1½-inch pipes and fittings; florist wagon; all in good condition. 1317 North Michigan ave., Saginaw City, Mich.

FOR SALE—Horizontal boiler, 10-horse power, with engine attached; Ames make; doesn't have to be bricked in. A. C. Canfield, Springfield, Ill.

SITUATION WANTED—By working foreman; Scandinavian; middle-aged; married; life experience in growing cut flowers; able to take charge of any sized place; state wages and size of place; first-class references. Address J. A. Rosengren, 449 Madison ave., Grand Rapids, Mich.

WANTED—Florist, sober, industrious, for general greenhouse work; send references and wages expected to W. W. Stertzling, Maplewood Station, St. Louis, Mo.

WANTED—An assistant florist in retail place; state experience and wages wanted with board and room and send reference. I. L. Pillsbury, Galesburg, Ill.

SITUATION WANTED—In a first-class place by a temperate young man; six years' experience; good design and bouquet maker; also a first-class clerk; New York or New England preferred. Address No. 162, care Florists' Review, Chicago.

SITUATION WANTED—By experienced growers of roses, carnations, mums and the forcing of all kinds of bulbs, growing of fine ferns and palms; also a first-class orchid grower for cut flowers; best of reference; can come after 1st of September; place near Chicago preferred. Address No. 163, care Florists' Review.

WANTED—Experienced florist to take charge. 8,000 feet glass; grow cut flowers and general stock, \$30.00, board and room to start with. Give description, also good references. Address J. C. Steinhauser, Pittsburg, Kan.

FOR SALE—At big bargain about 5,000 feet of glass in a good factory town of 5,000; no competition. Write for particulars. No. 158, care Florists' Review, Chicago.

SITUATION WANTED—By sober, reliable man, married, capable of taking charge, propagating and planting of hardy shrubs, trees, evergreens, clematis. Right man for a firm, who will start in this business. Address No. 157, care Florists' Review, Chicago.

WANTED—Single florist, must be willing and temperate, for carnations, mostly. Steady position; state wages, etc. H. F. Piggott, South Brooklyn, Ohio.

WANTED—Capital to increase glass area in a well established business, in town and neighborhood of 10,000; no competition. Would take partner with necessary capital. P. O. Box 148, Greenport, L. I., N. Y.

FOR SALE—New glass, never opened. 50 boxes 16x24 D. S. A. at \$3.75 per box, and 50 boxes 16x18 D. S. B. at \$3.40 per box. Davis Bros., Morrison, Ill.

FOR SALE—Three greenhouses, over 3,000 feet of glass, clear cypress caps and bars, ventilating apparatus, etc., all in good condition. Cheap for cash. S. Pepper, Belvidere, Ill.

SITUATION WANTED—An experienced salesman and designer open for engagement on or before Sept. 15th; first-class store only. State wages. Address No. 145, care Florists' Review, Chicago.

WANTED—An experienced salesman and decorator for an up-to-date retail store catering to the best trade; must be experienced in store work and decorating and come well recommended. A good salary and chance for advancement to the right party. Address with full particulars, Randolph & McClements, S. Highland Ave. and Baum St., Pittsburg, Pa.

FOR SALE—Wholesale florist's ice box, almost new, filled with granulated rock, lined with galvanized sheet iron; 8 feet wide, 5 feet deep, 9 feet high, in sections; \$30.00 f. o. b. Pittsburg. Fred Burki, Allegheny, Bellevue, Pa.

WANTED—Two single men for roses and carnations. Pittsburg Rose & Carnation Co., Crystal Farm, Gibsonia P. O., Pa.

SITUATION WANTED—As manager of small place by an experienced grower. Address No. 153, care Florists' Review, Chicago.

WANTED—Three experienced rose growers who know their business and will work to merit advancement. Good salary paid if ability is shown. Poehlmann Bros. Company, Morton Grove, Cook Co., Ill.

FOR SALE OR RENT—Greenhouses, 6,000 ft. glass, fine location—722 N. 64th Ave. Enquire of Frank June, Oak Park, Ill.

WANTED—Two or three men for carnations and roses. Bassett & Washburn, Hinsdale, Ill.

WANTED—Young man with some experience in general greenhouse work. Permanent place and good wages paid. Address No. 123, care Florists' Review, Chicago.

WANTED—A good all-round grower on place of 8,000 feet glass. Roses main crop. Single man preferred. Good wages to the right man. Address J. W. Rentz & Son, Peru, Ind.

WANTED—Working foreman for commercial place, 13,000 feet glass. Must be a good grower of roses, carnations, mums and bedding stock; a good designer and decorator. Good wages and steady employment to reliable man. Send references. McKellar Greenhouses, Chillicothe, Ohio.

WANTED—An up-to-date florist's wagon, glass sides, in good condition; will pay cash. Write A. B. C., care J. Austin Shaw, City Island, N. Y.

FOR SALE—Some extra good second hand 3-in. pipe, guaranteed sound, 6c per foot; also some 12x13 and larger double thick glass at \$2.75 per box. W. H. Salter, Rochester, N. Y.

FOR SALE—A bargain—Boiler (25 H.-P.) half front and fixtures complete, in good working order. Sam. Van Bochove, Kalamazoo, Mich.

FOR SALE—Cheap for cash, second-hand 4-in. cast iron pipe and fittings. Good condition. Address Cole Bros., Box 577, Peoria, Ill.

FOR SALE—About 8,000 feet of 3-in. pipe in first-class condition, 7c per foot, f. o. b. H. B. Lee, Bedford, O.

FOR SALE—One No. 30 Wilks hot water boiler, with stack complete, used only three months. A bargain for cash. James W. Dunford, R. R. No. 1, Clayton, Mo.

FOR SALE OR RENT—Eight greenhouses, two 120x20, one 120x24, two 68x24, one 50x12, and two 68x12. All heated by steam; hot-air pump and windmill; also 9 room dwelling, heated by steam from greenhouses, with hot and cold water; several acres of ground. Apply to William Yeager, 68 East Main St., Norristown, Pa.

FOR SALE—Cheap for cash—A good second-hand boiler for 3,000 feet of glass; about 1000 ft. of 8x10 and 10x12 glass and bars enough to make greenhouse 100x14, tank, etc. Th. F. Van Der Meulen, Dunkirk, N. Y.

FOR SALE—The Florence Greenhouses, nearly 3000 feet of glass; completely stocked with general line of plants; good stock of supplies. Good stock hardy plants outside. Hot water heat; splendid trade; best town in Colorado; no competition. \$1000 cash takes it. Worth \$3000. Immediate possession. Templin & Co., Florence, Colo.

FOR SALE—New greenhouse material as follows: New 3-in. black pipe, long lengths, 10 cts. per ft.; 6x8, 50 ft. boxes, American glass, single, \$2.25 per box; 6x8, 50 ft. boxes, American, double, \$2.70 box; 6x8, 100 ft. boxes, French, single, \$4.00 box; 8x10 single French glass, \$4.50 per 100 ft. box; 12x14, 16x18, 14x14, 50 ft. boxes, American glass, double, \$3.60 box; 12x12, 10x14, 50 ft. boxes, American glass, single, \$2.40 box. Clear gulf cypress greenhouse material, and everything for building. Send for prices. S. Jacobs & Sons, 1365 to 1375 Flushing Ave., Brooklyn, N. Y.

FOR SALE a Market Garden
producing Flowers,
Fruits and Vegetables.
HENRY HOUGHTON, Peotone, Ill.

FOR SALE.

In a thriving Ohio town of about 22,000 inhabitants, fine greenhouse plant, consisting of 8 greenhouses, ranging in size from 12x100 to 30x130; also fine workshop and modern up-to-date office and storeroom attached. For particulars address,

S. S. SKIDELSKY,
708 North 16th St., PHILADELPHIA.

...FOR SALE...

Gorton side feed steam boiler, No. 138 (largest size) for hard coal, in good condition, used only two winters. Robt. M. Schultz, the extensive and well known florist of Madison, N. J. testifies that a No. 137 (one size smaller) heated for him 15,000 sq. ft. of glass, keeping up a night temperature of 65 degrees and gave entire satisfaction. Other users certify to the efficiency of these boilers. Price \$200 f. o. b.

WM. B. Sands, Lake Roland, Baltimore, Md.

FOR SALE.

The plant of the **MORTON GROVE GREENHOUSES** (Incorporated), 14 miles from CHICAGO court house, consisting of 38,000 feet of glass, ¼ being new glass 16x20 put up in 1900; four acres of tiled land, great soil; 2,000 Peonies, 2 years old; steam heat, 3 boilers, one a 100 H. P. Kroeschell make, virtually new; 500 tons washed coal in the shed. Have planted 7,500 Roses, 16,000 Carnations, all A 1 stock. **OLD ESTABLISHED TRADE.** Plant in A 1 condition, excepting the old range, for which **NO CHARGE WILL BE MADE.** Will sell at a very **ATTRACTIVE** figure and on easy terms, with or without a 5-room dwelling on 60-foot lot across the street.

Might rent, or sell half interest with option of future purchase to a responsible grower, who must take full charge, as proprietor's business interests are now entirely away from the city. Address until Sept. 17th, care United States Glue Co., 37 Spruce St., New York. After that in care same Co., Milwaukee Wis.

PAUL KREISMAN.

THE RIBBON HOUSE

SCHLOSS BROS., 533 Broadway, NEW YORK

SPECIALTIES IN FLORISTS' RIBBONS, CHIFFONS AND NOVELTIES

Mention Review when you write.

ORDER NOW.



Mushroom Spawn

FROM ENGLAND'S BEST MAKER.

Per Brick (1½ lbs.), 15c; by mail postpaid, 25c;
Per 10 lbs., 80c.....Per 25 lbs., \$1.50.....Per 100 lbs., \$6.00;
Per 1000 lbs. \$55.00.....(250 lbs. at 1000-lb. rate.)

Cultural Directions sent with every order or mailed if requested.

PAPER WHITE GRANDIFLORA NARCISSUS.
13 centil. and over, \$1.00 per 100; \$8.50 per 1000.

JOHNSON & STOKES, 217 and 219 Market St., PHILADELPHIA, PA.

Mention the Review when you write.

Good Fortune

is the Chum of Opportunity.

This is your chance to lay in a stock of Godfrey Aschmann's tip-top *Araucaria Exoel-sa*. Do it now and they will help to fill your treasure box; they will be growing into money for you while you're asleep. We are headquarters for this great favorite among decorative plants. Our houses are full of choice April importations—no seedlings—raised in Belgium from top cuttings only. Here is my very lowest quotation. Who can beat such stock as I offer for the money?

5½-in., 3 to 4 tiers, 10 to 12 in. high.....\$0.50 each
5½-in., 3 to 4 " 10 to 12 " very broad .60
5½-in., 3 to 4 " 13 to 15 " " .75
6-in., 4 to 5 " 16 to 19 " 80c, 90c, 1.00 "

Cycas Revoluta—(Sago Palm) very fine, 6 to 7-inch pots, from 3 to 4, 5, 6, 7 and 8 leaves, 10c per leaf.

Kentia Forsteriana—36 to 42 inches high, 5½-in. pots, 75c to \$1.00 each.

Ficus Elastica—Imported, 4-inch pots, 25c each; 6-inch, \$4.00 to \$5.00 per doz.

Boston Ferns—5-in. pots, 25c to 35c each; 6-inch, \$6.00 per doz.

Asparagus Plumosus—3-in., at the rate of \$10.00 per 100.

Adiantum Cuneatum (Maidenhair Fern)—4-inch, bushy, \$1.80 per doz.

Primula Chinensis—4-in., for Xmas blooming, all colors, \$6.00 to \$7.00 per 100.

Begonia—Pres. Carnot, 4-inch, \$1.00 per doz. Vernon, 4-inch, in bloom, 75c per doz.

Azalea Indica—For Xmas blooming, Deutsche Perle, Simon Mardner, Vervaneana, fine plants, pot-grown, for 40c, 50c and 75c each. Also for Easter blooming, 10 to 20 varieties, for 40c up to \$1.50 each.

Cash with order please. Goods travel at purchaser's risk only. Please state if with or without pots.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants,

1012 Ontario Street, PHILADELPHIA.

Mention the Review when you write.

Miscellaneous Greenhouse Stock

	Per 100
<i>Acalypha Macaefana</i>	\$3.50
<i>Strobilanthes Dyerianus</i> , 75 cts. per doz.	5.00
<i>Abutilons</i> in var., \$20.00 per 1000.....	2.50
<i>Pompon Chrysanthemums</i> , 50 var., \$17.50 per 1000.....	2.00
<i>Coleus</i> , in var., \$17.50 per 1000.....	2.00
2½-in. pots, per 100	
<i>Fuchsias</i> , in variety.....	\$2.50
<i>Hardy English Ivy</i> , extra strong.....	2.00
<i>Lemon Verbena</i>	2.50
<i>Sedum variegata</i>	2.00
<i>Smilax</i>	2.00
<i>Swainsona Alba</i>	2.00

(Rooted Cuttings of Hardy English Ivy, 75c per 100; \$5.00 per 1000.)
Send for trade list. Cash with order.

R. VINCENT, Jr & SON, White Marsh, Md.

I AM very well pleased with returns from the REVIEW.—FRANK N. PIERSON, Cromwell, Conn.

FRESH

Wholesale Cut Flower Prices.

Philadelphia, Aug. 26.

	Per doz.
Beauties, Specials.....	\$ 2.00 to \$ 3.00
Extra.....	1.50
" No. 1.....	.75 to 1.50
Queen of Edgely, Specials.....	2.00 to 3.00
Seconds.....	1.50
" " Thirds.....	.75 to 1.50
Brides and Maids, Specials.....	\$4.00 to \$5.00
No. 2.....	2.00 to 3.00
Kaiserin, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Liberty, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Carnations, Commons.....	.50 to 1.00
Fancy.....	1.00 to 2.00
<i>Adiantum Cuneatum</i>	1.00
<i>Lily of the Valley</i>	2.00 to 4.00
Double Petunias.....	.25 to .75
<i>Gladioli</i>	1.00 to 2.00
Asters, Common.....	.25 to .75
Fancy.....	1.00 to 1.50
Dahlias.....	1.00 to 3.00

We like your paper very much.—HOFF-
MEISTER FLORAL Co., Cincinnati.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS.

MILWAUKEE, - WIS.

The F. R. Williams Co.

Wholesale
Florists...

CLEVELAND, - OHIO.

THE E. G. HILL CO.

Wholesale
Florists,

RICHMOND, INDIANA.

Mention the Review when you write.

...THE....

COTTAGE GARDENS

Wholesale Florists,

QUEENS, - L. I., N. Y.

Mention Review when you write.

EDWARD REID,

WHOLESALE FLORIST.

Carnations, Roses and Valley

1536 Ranstead St., PHILADELPHIA.

Store closes at 8 p. m.
Long Distance Telephone.

Mention Review when you write.

Eugene Bernhelmer

WHOLESALE FLORIST.

Asters, Dahlias and Gladiolus.

11 South 16th Street,

PHILADELPHIA, PA.

Mention the Review when you write.

WILLIAM J. BAKER,

WHOLESALE FLORIST,

Asters and Valley!

1432 South
Penn Square, Philadelphia.

Mention the Review when you write.

C. A. DUNN & CO.

Wholesale Florists,

1516 Sansome St., PHILADELPHIA.

Roses and Carnations.

Consignments of Choice Stock Solicited.
Bell and Keystone Telephones.

Mention The Review when you write.

Maplewood Cut Flower and Plant Co.

GEO. M. KELLOGG, Pres.

Growers of CUT FLOWERS at Wholesale.

Regular shipping orders given special attention. We have the largest plant west of Chicago.

Store: 906 Grand Ave., KANSAS CITY, MO.

Greenhouses: Pleasant Hill, Mo.

FOR SOUTHERN WILD SMILAX

(Where Quality is First Consideration.)

Write, Wire or Phone the Introducers

Caldwell The Woodsman Co., Evergreen, Ala.
or their agents: L. J. Kreshover, New York; J. B. Deamud, Chicago; H. Bayersdorfer & Co., Philadelphia; W. F. Kasting, Buffalo; J. M. McCullough's Sons, Cincinnati, Ohio; H. G. Ber-
ning, St. Louis, Mo.

Mention the Review when you write.

Peacock's

....Dahlias

For plants, bulbs or cut blooms. Address

W. P. PEACOCK,

Dahlia Specialist. ATCO, N. J.

Mention the Review when you write.

Smilax Seedlings,

50c per 100.

SAMUEL S. PENNOCK,

1612-18 Ludlow St., Philadelphia.

Mention The Review when you write.

Charles Millang, 50 W. 29th St. New York

We are headquarters for every kind of Cut Flowers in their season.

"THE LILY KING." Reasonable Prices. Square Dealing. Out-of-town florists promptly attended to. Telephone for what you want. Tel. 2230 Madison Square.

Moore, Hentz & Nash Wholesale Florists.

55-57 W. 26th St. NEW YORK CITY. SHIPPING ON COMMISSION. Tel. 2034 and 2230 Madison Square.

Established 1891.
GEO. E. BRADSHAW. JOHN B. HARTMAN.
BRADSHAW & HARTMAN,
Wholesale Florists,
53 West 28th Street, NEW YORK.
Telephone 1239 Madison Square.
Consignments Solicited.
Mention the Review when you write.

JAMES McMANUS, Telephone, 50 W. 30th St., NEW YORK
769 Madison Square.
Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND.
ORCHIDS A SPECIALTY
HEADQUARTERS FOR NOVELTIES

W. GHORMLEY,

WHOLESALE COMMISSION,

57 W. 28th Street, NEW YORK.

The largest commission house in America

for Roses, Violets and all other varieties of Cut Flowers.

My large shipping trade enables me to command the highest prices.

Telephone 2200 Madison Square, which ring, connects you with all our TELEPHONES.

Mention the Review when you write.

THE PIONEER HOUSE
Open every day at 6 a. m.

J. K. ALLEN

WHOLESALE FLORIST,

106 W. 28th Street, New York City

We ship all over the United States. Consignments realize with us the best market prices. Tel. 167 Madison Sq.
Mention the Review when you write.

WALTER F. SHERIDAN,

Wholesale Commission Dealer in

CUT FLOWERS

39 West 28th St., NEW YORK.
(Established 1882)

Receiving Extra Quality American Beauties and all other varieties of Roses. Carnations. Telephone 902 Madison Square.
Mention the Review when you write.

BONNOT BROS.

WHOLESALE FLORISTS,

55 and 57 W. 26th St., NEW YORK.
Cut Flower Exchange.

OPEN ALL DAY!

AN UNEQUALLED OUTLET FOR CONIGNED FLOWERS.
Telephone No. 2438 Madison Sq.

Mention the Review when you write.

JAMES A. HAMMOND,

Wholesale Commission Florist,

113 W. 30th St., NEW YORK CITY.
Tel. 854 Madison Sq.

Consignments receive conscientious and prompt attention. Highest market price guaranteed. The finest stock in the market always on hand.

Mention the Review when you write.

The Florists' Manual



Is a book that you need in your business.

If you haven't a copy already, order one now.

Wholesale Cut Flower Prices.

New York, Aug. 26.

	Per 100
Beauties, Specials	\$10.00 to \$25.00
Extra	4.00 to 8.00
No. 1	2.00 to 3.00
Shorts .....	.50 to 1.00
Brides and Maids, Specials	2.00 to 4.00
Extra	1.00 to 2.00
No. 1 .....	.50 to 1.00
No. 2 .....	.10 to .25
Carnot	1.00 to 5.00
Golden Gate .....	.50 to 4.00
Kaiserin .....	.50 to 6.00
Liberty	1.00 to 6.00
Cattleyas	60.00 to 75.00
Dendrobium formosum	25.00
Carnations, Common .....	.50 to 1.00
Selects	1.00 to 2.00
Adiantum cuneatum .....	.25 to 1.00
Asparagus plumosus, Strings	35.00 to 50.00
Lilium Harriell	5.00 to 10.00
Longiflorum	5.00 to 10.00
Lily of the Valley	2.00 to 4.00
Smilax	6.00 to 10.00

Rice Brothers

128 N. 6th Street,
MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

Shippers of Choice Cut Flowers and Greens of all kinds. Give us a trial order.

Mention the Review when you write.

GALAX.

Brilliant Bronze, at 75c per 1000 in 2000 lots or more.

FERNS—Fancy, \$1.25 per 1000; Dagger, \$1.00 per 1000. **Green sheet Moss**—\$2.50 per bbl. sack. **Sphagnum Moss**—\$1.75 per large bale.

All kinds FLORISTS' SUPPLIES.

L. J. KRESHOVER, 110-112 W. 27th St., New York

TEL. 597 MADISON SQUARE.

Mention the Review when you write.

ALBERT M. HERR

LANCASTER, PA.

Carnations, Geraniums,
Smilax, Asparagus.

Correspondence Solicited.

Mention Review when you write.

JOHN YOUNG

Special American Beauties,
Surpassing Carnations,
Lily of the Valley, Orchids
and all seasonable flowers.

51 W. 28th St., NEW YORK.
Tel. 1906 Madison Sq.

Mention the Review when you write.

Young & Nugent

42 West 28th Street

New York

Send for Quotations

Mention the Review when you write.

H. C. RIEDEL.

F. D. SPICER.

Riedel & Spicer

Wholesale Florists,

Strictly Wholesale, 34 W. 29th Street,
Tel. 3039 Madison Sq. New York City.

The New York Cut Flower Co.

55 and 57 West 26th Street,

WHOLESALE FLORISTS.

Daily Reports. Weekly Payments.

Tel. 2239 Madison Sq. J. A. MILLANG,
2034 Madison Sq. Manager.

Mention the Review when you write.

FOLEY'S FLORAL FOTOGRAPHS

Send for my Floral Album, size 12x11, containing 24 different funeral designs. Sent to any part of the country by express, \$7.00 c. o. d.

226-226½ Bowery, NEW YORK.

Always Mention the....

Florists' Review

When Writing Advertisers.

TOP GRADE for SHIPPING

AMERICAN BEAUTY, BRIDESMAID, BRIDE,
LIBERTY, METEOR, LILY OF THE VALLEY, CARNATIONS.

JOHN I. RAYNOR, 49 WEST 28TH STREET, NEW YORK.
Telephone, 1998 Madison Square.

The Philadelphia Wholesale Flower Market.

Consignments of Double and Single Violets solicited.
We need them regularly and can make good returns.

—FINE—
BEAUTIES

OPEN FROM 7:00 A. M. TO 5:00 P. M.
SATURDAYS CLOSE AT 1:00 P. M.

1228 CHERRY STREET, PHILADELPHIA.

ALEX. J. GUTTMAN, Wholesale Florist.

All seasonable Flowers and Novelties at proper
prices can be had at
52 West 29th Street, New York.
Telephone 1738 Madison.
Mention Review when you write.

ESTABLISHED 1872.

John J. Perkins

WHOLESALE and COMMISSION FLORIST,
115 West 30th St., NEW YORK.
Telephone No. 956 Madison Sq.

WANTED a few more reliable growers of
Carnations and Violets. Only first-class stock
handled.

BRANCH STORE, 48 West 30th St.,
New York. R. W. PERKINS, Manager.
Consignments Solicited. Quick returns to Ship-
pers. Highest Market Prices Guaranteed.

Mention Review when you write.

WM. SAMPSON,

Coogan Building, **WHOLESALE**
26th St. and 6th Ave. **FLORIST.**

With the New York Cut Flower Co.
Tel. No. 2239 Madison. Consignments Solicited.
Specialties, CARNATIONS and MIGNONETTE.

Mention Review when you write.

N. LECAKES & CO.

45 West 29th St., NEW YORK
Tel. No. 1214 Madison Sq.
and
53 W. 28th St.
(Basement)
Tel. 1797 Madison Sq.
Stands at Cut
Flower Exchange
Coogan Bldg., W.
26th St. and 34th Street Cut Flower Market.

SPECIALTIES

**GALAX LEAVES, FERNS and
LEUCOTHOE SPRAYS.**

Mention Review when you write.

Wholesale Cut Flower Prices.

Buffalo, Aug. 26.

	Per 100
Beauties, Specials.....	\$25.00
Extra.....	15.00
No. 1.....	10.00
Shorts.....	2.00
Brides and Maids, Extra.....	6.00
No. 1.....	4.00 to 5.00
No. 2.....	2.00 to 3.00
Carnot.....	4.00 to 5.00
Golden Gate.....	8.00 to 10.00
Kaiserin.....	8.00 to 10.00
Liberty.....	8.00 to 10.00
Meteor.....	2.00 to 4.00
Carnations, Commons.....	1.00
Selects.....	1.00 to 1.50
Adiantum Cuneatum.....	1.00 to 1.25
Asparagus plumosus, Strings.....	40.00 to 50.00
Sprays.....	20.00 to 25.00
Sprengerl, Sprays.....	20.00 to 40.00
Asters.....	.50 to 2.00
Dahlias.....	1.00 to 2.00
Gladiol.....	1.00 to 2.50
Lilium Auratum—Speciosum.....	3.00
Harrisii.....	15.00
Lily of the Valley.....	8.00 to 10.00
Smilax.....	15.00
Sweet Peas.....	.10 to .30
Water Lilies.....	1.50 to 2.50
Galax.....	.10

Boston, Aug. 26.

	Per 100
Beauties, Specials.....	\$20.00
Extra.....	\$12.00 to 15.00
No. 1.....	8.00 to 10.00
Shorts.....	2.00 to 6.00
Brides and Bridesmaids, Specials.....	6.00 to 8.00
Extra.....	8.00 to 10.00
No. 1.....	2.00
No. 2.....	.50 to 1.00
Carnot.....	2.00 to 10.00
Kaiserin.....	2.00 to 10.00
Liberty.....	1.00 to 10.00
Carnations, Common.....	1.00
Selects.....	2.00
Fair Maid.....	1.00 to 4.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, Strings.....	50.00
Sprays.....	1.00 to 2.00
Sprengerl, Sprays.....	1.00 to 3.00
Asters.....	.25 to 1.00
Callas, few.....	6.00 to 8.00
Gladiol.....	1.00 to 2.00
Lilium Auratum.....	6.00
Lily of the Valley.....	2.00 to 4.00
Mignonette, Ordinary.....	1.00
Smilax.....	12.00
Sweet Peas.....	.10 to .20
Tuberose.....	4.00
Galax.....	.15
Common Ferns.....	.10

"Our advs. in your paper this year
have certainly been most satisfactory in
results."—GRAND RAPIDS VIOLET Co.,
Grand Rapids, Mich.

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TRAENDLY & SCHENCK, Wholesale Florists

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Tel. 3660-3661 Main.

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PITTSBURG CUT FLOWER CO. Ltd.

WHOLESALE
FLORISTS, Pittsburgh, Pa.

Mention The Review when you write.

We are head- quarters for HARDY CUT FERNS!

Fancy or Dagger, 50c per 1000. Contracts
made to supply the year around. Use our
Laurel Festooning. It's the best decorative
material to be found, we make it fresh daily. 4c.
5c and 6c per yd. Bargains in Galax, A No. 1
quality, Bronze or Green, 75c per 1000 in
10,000 lots. Mosses, &c.
Send us your wants and
be well satisfied.



MILLINGTON, MASS.

Tel. Office, New Salem.

Long distance telephone connections.

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I AM very well pleased with my ad-
vertisement. My sweet pea seed is sell-
ing fast.—ANT. C. ZVOLANEK, Grand
View, N. J.

National Florists' Board of Trade.

NEW MANAGEMENT.
PROMPT COLLECTIONS
AND PROMPT RETURNS.

Full information concerning all claims entrusted to us. Plenty of time to attend carefully to your interests.

Satisfaction guaranteed. No delays. No neglect. No waiting. **NEW OFFICES, 56 PINE STREET, NEW YORK CITY.**
Telephone 4873 John Street. Rooms 601, 602, 603.

HARRIS H. HAYDEN, Pres.

WM. A. MOORE, Vice-Pres.

JNO. E. WALKER, Sec. and Treas.

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Mention Review when you write.

MICHIGAN CUT FLOWER EXCHANGE.

WM. DILGER,
Manager.

WHOLESALE FLORISTS AND CUT FLOWER COMMISSION.

Full line of FLORISTS' SUPPLIES and SUNDRIES.

COMMON FERNS, \$1.00 per 1000.
GALAX, Bronze or Green, 1.25

26 Miami Ave., Detroit, Mich.

Wholesale Cut Flower Prices.

Cincinnati, Aug. 26.

	Per 100
Beauties, No. 1.....	\$10.00 to \$15.00
Shorts.....	3.00 to 6.00
Brides and Maids, No. 1.....	4.00
No. 2.....	2.00 to 3.00
Golden Gates.....	2.00 to 4.00
Kaiserin.....	2.00 to 5.00
Liberty.....	2.00 to 4.00
Meteor.....	2.00 to 4.00
Perle.....	2.00 to 3.00
Carnations, Commons.....	.50
Selects.....	.75 to 1.00
Fancies.....	1.50 to 2.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, Strings.....	35.00 to 50.00
Sprengerl, Sprays.....	2.00 to 4.00
Asters.....	.50 to 2.50
Dahlias.....	2.00 to 3.00
Daisies.....	.50 to .75
Gladioli.....	2.00 to 3.00
Lily of the Valley.....	3.00 to 4.00
Smilax.....	12.50 to 15.00
Tuberose.....	2.00 to 3.00
Common Ferns.....	.15

Baltimore, Aug. 26.

	Per 100
Beauties, Shorts.....	\$3.00 to \$6.00
Brides and Maids, best offering....	2.00 to 4.00
Golden Gate.....	2.00 to 4.00
Perle.....	2.00 to 4.00
Carnations, Commons.....	.50 to .75
Adiantum Cuneatum.....	.75 to 1.00
Asparagus plumosus, Sprays.....	1.50 to 2.00
Sprengerl, Sprays.....	1.50 to 2.00
Asters.....	.25 to .75
Gladioli.....	2.00 to 4.00

ELGIN, ILL.—B. O'Neil recently returned from a very enjoyable two months' trip to his old home in Ireland.

I CANNOT do without the REVIEW, as it is the best guide as to where to buy stock, and if I have anything to sell I can't do better than to advertise in the REVIEW.—E. O'NEIL, Wheeling, W. Va.

Zirngiebel GIANT PANSIES

Market and Fancy Strains

are the finest grade this season that we ever sent out, when large size and colors are wanted.

As growers, we know every strain of note in cultivation and we can recommend our pansies as unequalled.

New crop seed ready now in trade packages of either strain, at \$1.00 each.

Denys Zirngiebel

NEEDHAM, MASS.

CINERARIAS — DWARF, large flowering, Strong, 2 1/4 inch.....\$2.00 per 100; 3.0 for \$5.00
Primroses—Chinese.....2 1/4 inch, \$2.00 per 100
Obconica.....2 1/4.....2.10
Obconica in flats ready to pot, \$1.59 a 100, by mail
C. WHITTON, City Street, Utica, N. Y.
Mention Review when you write.

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.
Manufacturers of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.
1122 PINE STREET, ST. LOUIS, MO.

H.G. Berning

WHOLESALE FLORIST.

1322 Pine Street, ST. LOUIS, MO.

Wm. Murphy,

Grower and Commission Dealer in.....

Cut Flowers and Florists' Supplies,

Telephone Main 980.

130 E. 3d Street, CINCINNATI, OHIO.

J. M. McCULLOUGH'S SONS,

Seedsman and Wholesale Florists.

Consignments solicited. Special attention given to shipping orders.

316 Walnut Street, CINCINNATI, OHIO.

BEAUTY

Plants from 3-inch pots, \$6 per 100; \$50 per 1000. Also a few thousand

GOLDEN GATE, 2 1/2-inch, \$2.50 per 100; \$20 per 1000.

IVORY, 2-in., \$3 per 100; \$25 per 1000.

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

PETER REINBERG,

51 Wabash Ave., Chicago.

Mention the Review when you write.

STRONG 3-INCH FORCING ROSES

Fine, Strong, Healthy Stock, at exceptionally low prices to close out. 100 1000

Brides, Bridesmaids, 3-in.....\$4.00 \$35.00

Ivory, Meteor, 3-in.....4.00 35.00

Brides, Maids, Ivory, Gates, 2 1/2-in.... 2.50 20.00

Special Offer—An order for 200 will secure 1000 rate. The stock is big value. We guarantee it will please. Write us for price on 4-in. hot water pipe for sale cheap.

W. H. GULLETT & SONS, - - Lincoln, Ill.

Mention the Review when you write.

Wholesale Cut Flower Prices.

St. Louis, Aug. 26.

	Per 100
Beauties, Specials.....	\$20.00 to \$25.00
Extra.....	15.00 to 20.00
No. 1.....	10.00 to 15.00
Shorts.....	2.00 to 5.00
Brides and Maids, Specials.....	5.00 to 8.00
Extra.....	4.00 to 5.00
No. 1.....	3.00 to 4.00
No. 2.....	2.00 to 3.00
Carnot.....	3.00 to 5.00
Golden Gates.....	2.00 to 6.00
Kaiserin.....	2.00 to 5.00
Liberty.....	3.00 to 5.00
Meteor.....	2.00 to 5.00
Perle.....	2.00 to 4.00
Sunrise.....	2.00 to 4.00
Carnations, Commons.....	.75 to 1.00
Selects.....	1.50 to 2.00
Adiantum Cuneatum.....	.75 to 1.00
Adiantum Farleyense.....	1.00 to 1.50
Asparagus plumosus, Strings.....	25.00 to 50.00
Sprays.....	2.00
Sprengerl.....	2.00
Asters.....	.50 to 1.50
Gladioli.....	2.00 to 3.00
Lily of the Valley.....	3.00 to 4.00
Smilax.....	10.00 to 12.50
Tuberose.....	2.00 to 3.00
Galax.....	.15
Common Ferns.....	.15

HARDY CUT FERNS.

Write for Prices.

FANCY

DAGGER

L. B. BRAGUE,

Oldest, largest and most reliable dealer in the U. S. HINSDALE, MASS.

Mention Review when you write.

YOU CAN PLANT AT ANY TIME ROSES FROM 4 AND 5-INCH POTS.
Crimson and Yellow Rambler, Coquette des Blanches, Clothilde Souper, etc., fine, clean plants. 9c. Large flowered Clematis, finest purple, lavender, white and pink sorts, 2 year, from 5-inch pots, 18c; 1-year, from 3-inch, 9c. Clematis Paniculata, 2-year, from 5-inch pots, 10c; extra from 6-inch, 18c. Ampelopsis Veitchii, fine, from 5-inch, 15c; 4-inch, 10c; from 3-inch, 5c. Also fine young stock, this season's propagation—Large flowered Clematis, 2 1/4-inch, 6c. Clematis Paniculata, 3c. Amp. Veitchii 3c. Rooted cuttings, Hydrangea P. G. 2c. Weigelia Rosea and variegated, 2c. Japan Goldleaf Honeysuckle, 2c. Packed free for cash.
W. H. SALTER, ROCHESTER, N. Y.
Mention the Review when you write.

PANDANUS VEITCHII,

6 to 8-inch pots. Write for prices.

JOHN WELSH YOUNG,

GERMANTOWN, P. A.

FRANK M. ELLIS, Wholesale Florist, St. Louis, Mo.

1316 Pine Street,

PLENTY OF STOCK IN ALL FLOWERS IN SEASON.

A COMPLETE LINE OF FLORISTS' SUPPLIES.

Mention the Review when you write.

LEADING RETAIL FLORISTS.

The following retail florists are prepared to fill orders from other florists for local delivery on the usual basis. If you wish to be represented under this heading now is the time to place your order.

ALEXANDER McCONNELL, 546 Fifth Avenue,
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Telegraphic orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.
Cable Address: **ALEXCONNELL.** Telephone Calls: 340 and 341 38th Street.
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P. J. HAUSWIRTH,
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Auditorium Annex. Telephone Harrison 585.

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2139-2141 Broadway,
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New York City.

Out-of-town orders for delivery in New York carefully and promptly filled at reasonable prices.

M.A. Rowe

1294 BROADWAY,

In the heart of NEW YORK CITY.

TEL. 2270 38TH ST.

OUR MOTTO—"THE GOLDEN RULE."

HAVE YOUR RETAIL ORDERS

FILLED BY THE

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1657-59 Buckingham Place, CHICAGO.

M. WEILAND,
602 Davis St., EVANSTON, ILL.

Suburb of Chicago.

Out-of-town orders of all kinds given careful and prompt attention.

Long distance phone, Evanston 56.

J. J. Beneke,
1220 Olive Street, ST. LOUIS, MO.

Mrs. Chas. Eickholt,
2319 AVENUE M, Galveston, Tex.

Shibeley The Florist,
311 SUTTER ST., SAN FRANCISCO, CAL.

Sievers & Boland,
25-27 Post Street, San Francisco, Cal.

Clarke Bros.
PORTLAND, ORE.

Siebrecht & Son,

409 5th Ave.

New York City,

Fill all orders for Florists
at current prices less the
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A. WIEGAND & SONS, FLORISTS,

1610 to 1620
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A. GUDE & BRO.

1224 F Street, Northwest,

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Company,**

EUCLID AVENUE, CLEVELAND, OHIO.

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DETROIT, MICH.

WM. SCOTT,

Main and Balcom Sts.

Buffalo, N. Y.

U. J. VIRGIN,
838 Canal Street, NEW ORLEANS, LA.

S. B. Stewart,
119 No. 16th Street, OMAHA, NEB.

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WILL BE FILLED BY

Century Flower Shop,

112 South 12th Street.

H. H. BATTLES, Proprietor.

**FRED C. WEBER,
FLORIST,**

4328-28 Olive Street, St. Louis, Mo.

ESTABLISHED 1873.

Long Distance Phone Lindell 196 M.

**The Park
Floral Co.**

J. A. VALENTINE, Pres. DENVER, Colo.

Orders for **Chicago and Vicinity**

WILL BE FILLED BY

A. LANGE,
Telephone Central 2522. 51 Monroe St., CHICAGO.

Orders for **MINNESOTA** or the North-
west will be properly executed by

AUG. S. SWANSON
ST. PAUL or MINNEAPOLIS.

**WILLIAM L. ROCK,
FLORIST,**

1116 Walnut St., Kansas City, Mo.

CLINTON, Mo.—A. Woerner, who has been employed at Pittsburg, Kan., will go into business here building a greenhouse 20x100.

Ask the Man

Who attended the **GREAT MILWAUKEE CONVENTION** **WHY** the Judges awarded to us the **ONLY CERTIFICATE OF MERIT** and **HIGH COMMENDATION** for Florists' Supplies and Ribbons.

THE REASON WHY:

We were in a class by ourselves, showing **NEW EXCLUSIVE NOVELTIES** never before exhibited, and the

LARGEST and FINEST DISPLAY of "Up-to-date" **FLORISTS' SUPPLIES and RIBBONS** ever shown **AT ANY CONVENTION.** "Nuf Ced."

When you want Supplies or Ribbons write to

M. RICE & CO.

918 Filbert Street, PHILADELPHIA.

Leading Florists' Supply House. RIBBON SPECIALISTS.

NEW CATALOGUE FOR THE ASKING.

Special Wheat Sheaf Announcement!

FOR THE MONTH OF AUGUST ONLY.

A deduction of 10% allowed on Sheaves from list price ordered by the dozen or more during the above month.

H. BAYERSDORFER & CO.

Importers and Manufacturers
of Florists' Supplies.

50-56 N. 4th Street,

Philadelphia, Pa.

New Catalogue on application.

HUGH GRAHAM

104 So. 13th Street, Philadelphia.

I am in a position to handle any orders for Philadelphia or vicinity, either large or small; would be pleased to have correspondence with the trade in general.
Our facilities for handling orders, either for flowers or plants, are of the very best.

UTICA, N. Y.

Utica Florists' Club Outing.

The Utica Florists' Club held its outing at Buchanan's Grove Wednesday afternoon, Aug. 12. The weather was chilly, which made it unpleasant for those who were not taking part in the races.

There were over fifty in the party which gathered to partake of the fine spread at about 4 o'clock. Not a man present would have owned that he had not eaten anything in a week, but they

certainly did clean up that feast. The races were good, but the most interesting feature was the fat man's race.

Besides the members of the Utica Florists' Club there were present Hakes and Schesch of Ilion, Graham of Little Falls, Traudt of Canajoharie, Limmer of Schenectady and Bryan of Rome, and, as guests of the club, Quinlan, Bard, Davis, Dunn, Greuman, Campbell, Burt, Dutton, Dow, Huller, Ham, Sr., and Ham, Jr., of Syracuse. In the afternoon they had a baseball game, and, of course, Utica won. It beat Syracuse 11 to 5. The committee was W. A. Rowlands, A.

R. Wilcox, W. E. Day; judge of sports, Seward Hakes; starter and announcer, F. J. Baker.

Here are the names of the events, the winners and the prizes:

Hundred yard dash—William Kaufer, of Utica, ton of coal donated by Sterling Coal Co., of Utica; Earl Davis, basket pot cover donated by Sigmund Geller, of New York.

Standing broad jump—William Day, of Utica, barometer donated by C. F. Meyer, of New York; Mr. Grueman, of Syracuse, knife donated by W. F. Kasting, of Buffalo.

Obstacle race—Mr. Meslerley, stein donated by White Pottery Co.; J. J. Williams, of Utica, florist knife donated by Michell Seed Co., of Philadelphia.

Throwing baseball—E. Crowe, of Utica, specimen plant donated by H. A. Dreer, of Philadelphia; Earl Davis, of Utica, two wreaths donated by Reed & Keller, of New York.

Three-legged race—Ed. Crowe and Earl Davis, 100 lilies donated by Lucas & Boddington, of New York.

Twenty-five yard hop on one leg—Will Day, of Utica, box of cigars donated by Emil George.

Sack race—Will Day, of Utica, box of cigars donated by H. Gilmore; Earl Davis, of Utica, pipe donated by H. Gilmore.

Putting 15-pound shot—Davis, of Utica, box of cigars donated by Michell Seed & Bulb Co.; Dunn, of Syracuse, two reams of paper donated by Bowes Bros.

Lean man's race—Will Day, \$10 crate of flower pots donated by Syracuse Pottery Co.; Earl Davis, six pot covers donated by L. J. Kreschover, of New York.

Running broad jump—Will Day, case of wire designs; Jess Williams, vase.

Fat man's race—Dr. W. J. Rowlands, "Scott's Florists' Manual" donated by Florists' Review, of Chicago; second, Frederick Boyce, of Utica.

Hop, skip and jump—Will Day, tub of paint donated by Hammond Paint Co., of Fishkill; Earl Davis, box of cigars.

Throwing hammer—William Death, of Utica, coil hose donated by H. Petersen; Will Day, two wreaths donated by Reed & Keller, of New York.

Race for men over 50 years—Mr. Schesch, of Ilion, 100 paper boxes donated by Dayton Paper Novelty Co., of Dayton, Ohio.

Throwing ball in barrel—Charles Kramer, of Utica, vase and standard.

Half-mile run—Will Day, \$10 gold piece donated by C. C. Kellogg & Sons Co.

CLASSIFIED PLANT ADVERTISEMENTS.

Rates for advertisements under this head, 10 cents a line net, per insertion. New ads. and changes must reach us by Wednesday morning at latest to secure proper classification in issue of Thursday.

ABUTILONS.

New abutilon Pink Beauty, novelty, 2½-in., \$4.00 per doz.
Ozone Park Nurseries, Ozone Park, L. I., N. Y.
Abutilons in variety, 2½-in., \$2.50 100; \$20.00 1000. R. Vincent, Jr., & Son, White Marsh, Md.

ACALYPHAS.

Acalypha Macafeana, \$3.50 100.
R. Vincent, Jr. & Son, White Marsh, Md.

ALYSSUM.

2500 Giant dbl. alyssum, 3-in. pots, \$3.00 per 100; \$25.00 per 1000. Cash, please.
E. J. Cloud, L. B. 32, Avondale, Pa.
Alyssum, double, 2½-in. pots, \$3.00 100.
N. Smith & Son, Adrian, Mich.

AMPELOPSIS.

Ampelopsis Veitchii, strong seedlings, \$1.00 100. Cash.
Chas. B. Stahl, 27 So. 11th St., Philadelphia.
Ampelopsis Veitchii, 5-in., 15c; 4-in., 10c; 3-in., 5c. W. H. Salter, Rochester, N. Y.

ANEMONES.

Japan anemones in variety, including the superb novelty, Queen Charlotte.
ELLWANGER & BARRY, Rochester, N. Y.

ARAUCARIAS.

Araucaria excelsa, raised in Belgium from top cuttings only.

	Tiers.	High.	Each.
5½-in. pots	3 to 4	10 to 12 in.	50c
5½-in. pots	3 to 4	10 to 12 in.	60c
5½-in. pots	3 to 4	13 to 15 in.	75c
6 in. pots	4 to 5 tiers	16 to 19 inches high	80c, 90c and \$1.00 each.

GODFREY ASCHMANN, 1012 Ontario St., Philadelphia, Pa.

Araucaria excelsa, 7-in. pots, height from pot 16 to 20 inches, fine spread, \$18.00 and \$24.00 per doz. *Araucaria glauca*, 7-in. pots, height from pot 16 to 25 inches, \$2.50 and \$3.00 each; \$24.00 per doz. Cash with order, please.
ANTON SCHULTHEIS, College Point, L. I., N. Y.

Araucaria excelsa, 2-in. pots, 2 tiers, \$16.00 100. *A. imbricata*, 2½-in. pots, strong plants, \$10.00 100.
F. LUDEMANN, 3041 Baker St., San Francisco, Cal.

Araucaria excelsa. We have a fine stock of this desirable plant in all sizes, from 75c to \$2.00 each; perfect tiers. Satisfaction guaranteed.
Ozone Park Nurseries, Ozone Park, L. I., N. Y.

Araucaria excelsa; perfect beauties, 3 to 4 tiers, 5-in. pots, 10 and 12-in. high, \$5.50 doz.; \$42.50 100.
T. N. Yates & Co., Mt. Airy, Phila., Pa.

Araucaria excelsa, strong, stocky 3 and 4-tier plants. Write for prices. Ridge Lawn Greenhouses, Pine Ridge, Buffalo, N. Y.

ARBOR-VITÆ.

Blota aurea nana, 12-15 in. high, very compact, \$20.00 100; 18-20 in. high, very compact, \$30.00 100. Not less than 40 of a sort at 100 rates. P. J. BERCKMANS CO., Augusta, Ga.

ASPARAGUS.

Asparagus comorensis, 3-in. pots, \$10.00 100. Extra strong, ready to shift. *A. Sprengeri*, 2½-in., \$4.00 100. *A. plumosus nanus*, 2½-in., \$5.00 100. *A. tenuissimus*, 2½-in., \$4.00 100.
Nathan Smith & Son, Adrian, Mich.

Asparagus Sprengeri our specialty. All strong plants. Per 100: 2½-in., \$3.00; 3-in., \$4.00; 4-in., \$8.00; 5-in., \$15.00; 6-in., \$30.00. Special price on large lots.
J. H. BORNHOEFT, Tipton, Ind.

Asparagus plumosus, from 4-in. pots, \$12.50 per 100. *Asparagus Sprengeri*, from 3½-in. pots, \$6.00 per 100. Extra strong, \$8.00 per 100. Cash with order.
HENRY H. BARROWS & SON, Whitman, Mass.

Asparagus Sprengeri, 3-in., \$4.00 100; 4-in., \$8.00; 5-in., \$15.00; 6-in., \$25.00. *A. plumosus*, 3-in., \$10.00 100. All strong plants.
Bentzen Floral Co., 4025 Marcus Ave., St. Louis, Mo.

Asparagus plumosus nanus, from flats, \$2.00 100; \$15.00 1000, prepaid. *A. Sprengeri*, 2 and 2½-in., strong, \$2.00 100; 3-in., \$2.50 100.
Bell Conservatory Co., Sacramento, Cal.

Asparagus Sprengeri, from flats transplanted, \$5.00 per 1000. 3-in. pots, \$10.00 per 1000. To clean out. Express prepaid to your city.
CALIFORNIA CARNATION CO., Loomis, Cal.

Asparagus plumosus plants, 2-yrs.-old, \$5.00 100; fine for strings. *Asparagus Sprengeri*, 2½-in. pots, extra, \$2.50 100.
JOSEPH WOOD, Spring Valley, New York.

Asparagus Sprengeri, 2½-in., heavy, \$2.00 100. \$15.00 1000; 4-in., heavy, \$7.50 100. 50 at 100 rates. Cash with order.
HASKELL AVE. FLORAL CO., Dallas, Tex.

Asparagus plumosus nanus, strong 2½-in., \$3.00 100; \$25.00 1000. *A. Sprengeri*, \$2.00 100; \$15.00 1000. Cash, please.
G. M. Naumann, Doan St., Cleveland, O.

Asparagus Sprengeri, from flats, \$1.00 100, \$6.00 1000; 5000 for \$25.00; 2½-in., \$1.50 100, \$12.50 1000.
S. Whitton, 15 Gray Ave., Utica, N. Y.

Well-grown *Asparagus Sprengeri*, from 3-in., \$2.50 100, \$20.00 1000; seedlings, 75c 100, \$5.00 1000.
S. S. PENNOCK, 1612 Ludlow St., Philadelphia.

Asparagus plumosus, strong 2½-in., \$4.00 100, \$35.00 1000. Cheap for this quality.
THE GEORGE WITTBOLD CO., 1657 Buckingham Place, Chicago, Ill.

Asparagus Sprengeri, strong, trans. from flats, \$1.50 100; 6-in. pots, \$1.75 doz., \$12.50 100.
W. W. Stertzing, Maplewood Sta., St. Louis, Mo.

ASPARAGUS PLUMOSUS NANUS.
Cut strings, 50 cents each.
W. H. ELLIOTT, BRIGHTON, MASS.

Asparagus Sprengeri, good, strong plants. Per 100: 2-in., \$2.00; 3-in., \$5.00; 4-in., \$8.00.
A. G. Fehr, Belleville, Ill.

Asparagus Sprengeri, extra strong. Per 100: 2½-in., \$3.00; 3-in., \$4.00; 4-in., \$6.00.
Critchell's, Avondale, Cincinnati, O.

Asparagus Sprengeri, 2-in. pots, \$2.00 100. *A. plumosus nanus*, \$2.50 100. Cash.
Jos. H. Cunningham, Delaware, Ohio.

Asparagus Sprengeri, 2-in., \$2.00; 3½-in., \$2.50; 3-in., \$3.00 100. Express prepaid.
LOOMIS FLORAL CO., Loomis, Cal.

Asparagus Sprengeri seedlings, strong plants from flats, \$1.00 100, prepaid.
E. I. Rawlings, Quakertown, Pa.

Asparagus Sprengeri and *plumosus*, extra strong, 2-in., \$30.00 1000.
C. BETSCHER, Canal Dover, O.

Asparagus Sprengeri, 2, 3 and 4-in. *Plumosus*, 2, 2½, 3, 4 and 5-in.
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Asparagus Sprengeri, strong, 2½-in., \$3.00 per 100; \$25.00 per 1000.
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Asparagus plumosus, 4-in. pots, \$8.50 per 100. Good stock. Cash.
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Asparagus plumosus, 2-in. pots, \$3.00 per 100.
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Asparagus plumosus nanus, 2½-in., \$4.00 100.
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Asparagus Sprengeri, 2½-in., \$1.00 per 100.
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Asparagus Sprengeri, 2-in., \$2.50 per 100.
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Asparagus Sprengeri, 4-in., \$6.00 100.
E. Thompson, R. R. No. 3, Madison, Wis.

Asparagus Sprengeri 2-in., \$2.00 100.
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Asparagus Sprengeri, 2-in., 2c.
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Aspidistras. Cheaper than they can be imported. 5 and 6 leaves, 5-in. pots, \$2.25 doz., \$18.00 100.
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Asters, from 3-in. pots, 3c each. Cash.
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Azalea indica for Xmas blooming, fine plants, pot-grown, from 40c to 75c each. Also for Easter blooming, 10 to 20 varieties, from 40c to \$1.50 each.
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Choice strains of florists' BULBS and SEEDS our specialty. Send for trade catalogue.
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200 caladiums, 8c each.
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It has been a good growing season and plants are in fine shape, strong and bushy.

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Lorna, Ad. Cervera, Morning Glory, Dorothy, Crane, Norway, Cressbrook, G. Lord and Flora Hill, \$6.00 100. Cash.
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Carnation plants. Excellent stock.
500 Lawson. 400 Higinbotham.
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Field-grown carnations from good healthy stock and extra selected cuttings. These are fine plants and guaranteed as represented. Gov. Wolcott, \$8.00; Queen Louise, \$5.00; Maceo, extra large, \$5.00; Crane, \$5.00; Fair Maid, late propagated, \$6.00; Joost, \$4.00; Ward's Improved Flora Hill, \$5.00.

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Field-grown carnation plants, strong and healthy.

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FLORA HILL Per 100. \$5.00
ETHEL CROCKER " 5.00
GENEVIEVE LORD " 5.00
JOOST " 3.00
DAYBREAK " 5.00
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Choice carnation plants from field at \$3.50 per 100.

1500 Avondale. 800 Marquis.
180 Flora Hill. 800 Crane.
420 Dorothy.
Cash with order.
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Fine, field-grown carnation plants.
100 1000 100 1000
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Glacier 5 45 Nelson 6 55
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12,000 nice, bushy plants from field. Pink-Happy Day, Joost, Crocker, Triumph, Scarlet—Crane, at \$4.00 per 100. I will also sell a limited number only of my new whites, Cloveenna and Iceberg, at \$6.00 per 100. Very profitable.
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Field grown carnations, President McKinley, (one of the best introductions of 1903), Manley, Apollo, Potter Palmer, Morning Glory, Cressbrook, Mrs. E. A. Nelson, Joost, Enquirer, Ethel Crocker, Mrs. Bradt. Write for prices.
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Fine, field-grown carnations.
100. 100.
Lawson \$6.00 White Cloud \$5.00
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Crane 5.00 Glacier 5.00
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Fine field-grown carnation plants. This is very nice, healthy stock. Flora Hill, Queen Louise, Marquis, Crane, Morning Glory, 1st size, \$4.00; 2nd size, \$3.00, Joost, McGowan, \$3.00.

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Carnations. Extra strong and absolutely healthy plants. White Cloud, Hill, Joost, Triumph, Lawson, Norway, America, Gomez, Eldorado, Queen Louise, Daybreak, \$5.00 100; \$40.00 1000. Lamprecht Bros., Ashland, Ohio.

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4,000 Lawson and 1,000 Queen Louise carnation plants. Exceptionally choice field-grown plants. Write for quotations.
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200 Flora Hill at 4c; 300 Joost at 3c; 70 Ine at 4c; 65 B. H. Richard at 4c; 70 Mary Wood at 4c. All fine plants.
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2,300 Marquis, \$4.00 100, \$30.00 1,000; 500 Gov. Roosevelt, \$5.00 100. All stock, clean and healthy. Chas. Schweigert, Niles Center, Ill.

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Strong, healthy field-grown carnations, Joost, Mrs. Ine, Daybreak, Koobinor, Scott, \$3.00 per 100.
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3,500 2 1/4-in. chrysanthemums, including Chadwick, Wedding, Appleton, etc., \$20.00 per 1,000. Liger and Richardson, 2 1/4-in., \$15.00 100.
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Leading chrysanthemums, in pots or out, \$5.00 per 100.
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Large-flowering, 2 1/4-in., \$2.00 100; 300 for \$5.00.
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Cinerarias, 2-in., \$2.00 per 100.
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40 Cinerarias, 3-in., 6c.
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Large-flowered clematis, 2-yr., from 5-in., 18c; 1-yr., from 3-in., 9c. C. paniculata, 2-yr., from 5-in., 10c.; from 6-in., 18c.
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Coleus in variety, \$2.00 100; \$17.50 1000.
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Cycas revoluta, fine, 6 to 7-in., from 3 to 8 leaves, 10c per leaf.
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Cycas revoluta, the long leaf var., stems from 1/2 to 6 lbs., \$7.50 per 100 lbs.
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Cyclamen plants, 4-in., choice strain, \$10.00 100. 300 in 3-in., not quite so strong, \$8.00 100.
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Cyclamen giganteum, finest strain, extra strong and thrifty plants, all colors, 3 and 4-inch pots. Write for prices.
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Cyclamen. Only the large giganteum grown; 3-in., \$7.00; 4-in., \$12.00 100.
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Cyclamen per. giganteum; large-flowered, 3-in., \$5.00 100; 4-in., \$10.00 100.
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Cyclamen, fine strain, 4-in. pots, fine plants, \$15.00 per 100. Cash.
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Cyclamen giganteum, 3-in., \$7.00 100.
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Cyperus alternifolius, 2 1/4-in., \$3.00 100. Fine stock.
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Boston ferns, fine, strong plants, 3-in., \$10.00 100; 4-in., \$20.00; 6-in., \$40.00; 8-in., \$1.00 each; 10-in., \$1.25 each. Bentzen Floral Co., 4025 Marcus Ave., St. Louis, Mo.

Boston ferns, good, bushy plants, pot-grown; 6-in., would make 8-in. plants, \$75.00 100. Cash, please. Chas. H. Fox, 21st and Columbia Ave., Philadelphia, Pa.

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FERNS—Continued.

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FERNS, fine healthy plants ready for a shift. Bostons, 5-in., 40c; 7-in., 75c. Lomaria gibba, extra fine, 4-in., 15c; 5-in., 30c; 6-in., 40c. Davallioides furcans, 4-in., 20c; 5-in., 50c; 7-in., 75c. Alsophila australis, fine specimens, 11-in., \$3.00. Mixed ferns, 2½-in., 3c. Washingtoniensis, 7-in., \$1.00. 10 per cent discount per 100. Cash. N. STUDER, Anacostia, D. C.

SEEDLING FERNS, 1000 flats, ready for pots, in best commercial varieties. Write us for list of kinds. If carefully divided, each flat will average about 400 plants; \$2.00 per flat, 12 flats \$21.00.

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Seedling Ferns. A good variety of the best hardy kinds, suitable for fern dishes, etc., from flats, ready to pot, \$1.00 100; \$8.50 1000. From 2½-in. pots \$3.00 100.

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Chas. H. Campbell, 3601 Germantown Ave., Philadelphia, Pa.

Boston ferns, extra fine, from bench, 4-in., \$15.00; 5-in., \$25.00; 6-in., \$35.00; large or small quantities. Cash or C. O. D. Guaranteed.

J. W. Bernard, Marion, Ind.

Ferns, fine thrifty 3-in. stock of Pteris Ostrivardi, Pteris cristata, Pteris tremula, Nephrolepis exaltata compacta, \$5.00 100.

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Extra fine ferns in variety for fern dishes, very bushy and compact, \$5.00 100, including packing. Cash with order, please.

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Boston ferns, 5-in., 25c to 35c each; 6-in., \$6.00 doz. Adiantum cuneatum (maidenhair), 4-in., bushy, \$1.80 doz.

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Boston ferns, vigorous plants from benches, ready for 6, 7 and 8-in. pots or pans, 25c, 35c and 50c each.

Ozone Park Nurseries, Ozone Park, L. I., N. Y.

Boston ferns, fine decorative stock, 6-in. pots, 50c; 8-in. pans, 75c; 10-in. pans, \$1.25; 12-in. pans, \$2.50.

John R. Johnson, Passiac, N. J.

Ferns for dishes, 2-in., assorted varieties, \$3.00 per 100; \$35.00 per 1000.

THE GEORGE WITTBOLD CO., 1657 Buckingham Place, Chicago, Ill.

Boston and compacta ferns, fine 5 and 6-in. pot-grown plants. Write for prices. Ridge Lawn Greenhouses, Pine Ridge, Buffalo, N. Y.

Boston ferns, 2½-in., \$6.00; 3-in., \$10.00; 4-in., \$15.00; 6-in., 50 and 75c; 7-in., \$1.00 each. W. J. & M. S. Vesey, Fort Wayne, Ind.

Holly Fern. A fine lot of Cyrtomium falcatum, out of 2½-in. pots, 3c. Cash with order. L. S. Petersen, Nantucket, Mass.

Boston ferns. Strong, from 6-in. pots, \$2.50 per doz.; \$20.00 per 100. Satisfaction guaranteed. A. B. DAVIS & SON, Purcellville, Va.

We are western headquarters for Pierstoni and Boston ferns. We have 'em in all sizes. Write. GEO. A. KUHLE, Pekin, Ill.

Boston ferns from bench, \$25.00 per 100; also pot-grown plants in all sizes. Write Davis Brothers, Geneva, Ill.

Ferns in flats in the leading varieties; per flat of 110 clumps, \$2.00. Cash. F. W. O. Schmitz, Prince Bay, N. Y.

Boston ferns, good, strong plants, transplanted once, \$5.00 100; \$40.00 1000. A. M. Davenport, 88 Grove St., Watertown, Mass.

Ferns in flats, 110 clumps of best sorts, ready to pot, \$2.00. H. H. Berger & Co., 47 Barclay St., N. Y.

Adiantum cuneatum, good 3-yr.-old clumps, \$20.00 100. Chas. Schwegert, Niles Center, Ill.

Boston ferns, all sizes. Fine Pierstoni, in 2½-in. pots. JOHN SCOTT, Keap St., Brooklyn, N. Y.

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Fuchsias in variety, 2½-in., \$2.50 100.

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Geraniums, strong bushy plants, in bud and bloom. Nutt, Hill, A. Ricard, Queen of the West, etc., 4 and 5-in. pots, \$6.00 and \$7.00 per 100. Cash, please. Carl Petersen, Stryker Ave., and Annapolis St., St. Paul, Minn.

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Jessamines, largest stock in the country. Grand Duke, 2-in., \$3.00 100; 3-in., \$5.00 100; 4-in., \$8.00 100. Nanz & Neuner, Louisville, Ky.

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Washingtonia filifera, 3 lvs., 2-in 1.75 15.00
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Inches high.	Size pots.	Char. leaves.	Per 100.
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Kentia Belmoreana...20-24	4-in.	6	50.00
Latania Borbonica...12-15	4-in.	2	15.00
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400 Kentias, Forsteriana and Belmoreana, 2½-in., \$6.00 100; 300 Cocos Weddelliana, 2½-in., \$8.00 100; 400 Cocos Weddelliana, 1½-in., \$4.00 100. Good value for growing on. Cash.
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GRAFTED ROSES, fine bushy plants in 3½ and 4-in. pots. Liberty and Ivory, \$15.00 100. Bride, Golden Gate, Maid and Kaiserin, \$12.00 100.
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Sterilized-soil-grown roses. We offer the following surplus stock made from selected cuttings:
1300 Beauties, 3-inch\$6.00 100
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They are ready for 4-in. or benching. Cash or C. O. D. J. LOUIS LOOSE, Washington, D. C.

AMERICAN BEAUTIES, 3-in., \$6.00 100; \$50.00 1000. Also a few thousand GOLDEN GATES, 2½-in., \$2.50 100; \$20.00 1000, and IVORY, 2-in., \$3.00 100; \$25.00 1000.

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded.
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3000 Brides and 1000 Maids, 2-yrs.-old, 10c straight. Perles, Meteors, Maids, Brides and Golden Gates, on own roots, this year's stock, 6 and 8c each.
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ROSE PLANTS, healthy and strong. Beauties, 3-in., \$6.00; 3½-in., \$8.00 per 100. Brides, 3-in., \$5.00; 4-in., \$7.00 100. Maids, 3-in., \$4.00 4-in., \$7.00 100. A. C. BROWN, Springfield, Ill.

Golden Gate roses. 400 3-in., at \$3.00 100 and 150 4-in., at \$3.50 100. Or will exchange. Park Side Greenhouses, 70th St. and Adams Ave., Chicago.

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Roses. American Beauties, 3-in., \$8.00 100. La France, 3-in., \$6.00 100.
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Maid, Perle, Meteor, Ivory and Gate roses, fine 3-inch, \$4.00 per 100.
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Roses, 50 Bridesmaids, 100 Brides, 50 Woottons, 3-in., 2½c.
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Poehlmann Bros. Co., Morton Grove, Ill.

American Beauty plants, choice 4-in. stock, \$5.00 per 100.
Bassett & Washburn, 76 Wabash Ave., Chicago.

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Extra choice Bridesmaids, 3-in., \$30.00 1000.
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Beauties, 3-in., \$5.00; Brides, Maids, 3-in., \$4.00 100. John Brod, Niles Center, Ill.

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Manetti stock for fall delivery.
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Strong, healthy rubber plants in 5 and 6-in. pots. Write for prices.
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Rubbers, 4-in. pots, 7 to 9 lvs., fully established, \$2.50 doz., \$20.00 100.
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Ficus elastica, imported, 4-in., 25c each; 6-in., \$4.00 to \$5.00 doz.
Godfrey Aschmann, 1012 Ontario St., Phila.

Rubbers, strong stock, 4-in., \$3.00 doz., \$25.00 100.
C. F. Baker & Son, Utica, N. Y.

Rubbers, 5-in., 35c.
N. Studer, Anacostia, D. C.

SEEDS.

WINTER FLOWERING sweet pea seed, for forcing only—Zvolanek's Christmas, pink, and Florence Denzer, pure white. Stock seed of these varieties is carefully selected in my greenhouses from stems over 14 inches long. Seed sown first of Sept. will bloom for Christmas. Sown in Dec., after the late mums, will bloom in Feb. New crop seed ready by the middle of Aug. at 75c pkt., \$2.50 lb. Orders booked and filled in rotation.

ANT. C. ZVOLANEK, Grand View N. J.

XXX SEEDS. Chinese primrose, large-flowering, fringed, single and double; 15 varieties, mixed, 500 seeds, \$1.00; half pkt., 50c. Cinerarias, large-flowering, dwarf, mixed, 1000 seeds, 50c. Daisy, double giant, white and rose, mixed, 1000 seeds 25c. Giant pansy seed, large-flowering, critically selected, 5000 \$1.00; half pkt., 50c. 500 seeds of giant Mme. Perret added to every \$1.00 pkt. of giant pansy seed.
JOHN F. RUPP, Shiremanstown, Pa.

Hollyhocks, white and yellow. Double Sweet Williams. Hunt's auriculataefolia. Digitalis, 12 varieties mixed. Delphiniums, finest tall-growing. Primula acaulis. Gold-laced polyanth. Lobelia cardinalis, finest of all border flowers. Begonia tuberosa rooted, all colors mixed. Veronica serratifolia, fine blue. Gaillardia grandiflora. Trade packets, 10c.

CHAS. LONG, 277 Jefferson Av., Rochester, N. Y.

Pansy seed, crop of 1903. BARNARD'S FLORISTS' MIXTURE is high grade, up-to-date and will give you pansies that will sell. Trade pkt., 25c; 1/4-oz., \$1.00; 1/2-oz., \$3.75; oz., \$7.00. Giant Mixture, trade pkt., 25c; 1/4-oz., 50c; oz., \$4.00.

W. W. BARNARD & CO., 161 Kinzie St., Chicago.

Palm seeds, just arrived from Australia; Areca Baueri, 25c 100; \$2.00 1000 seeds. Kentia Belmoreana and Forsteriana, 35c 100; \$2.50 1000 seeds. Pritchardia Seamanii, \$4.50 100 seeds. Erythea edulis, 75c 100; \$6.00 1000 seeds.
F. LUDEMANN, 3041 Baker St., San Francisco, Cal.

New crop pansy seed of the famous JENNINGS' strain now ready. Large-flowering, finest colors in great variety. By mail, 3000 seeds, \$1.00; 1/2 pkt., 50c; 1 oz., \$5.00. Separate colors in blue, black, red, white and yellow, 50c pkt. Cash.

E. B. JENNINGS, Box 254, Southport, Conn.

MANICABA RUBBER TREE SEEDS.

(Ficus elastica.)

Limited shipment just received from Brazil—5 lbs., \$1.50 per lb.; 25 lbs., \$1.35 per lb. About 1,000 seeds to lb.

CHAS. W. JACOB & ALLISON, Raffia Importers, 18 Cedar St., New York.

Zirngiebel's giant pansies. Market and Fancy strains, are the finest grade this season that we ever sent out, when large size and colors are wanted.

New crop seed ready now. Trade pkt., of either strain, \$1.00 each.

DENYS ZIRNGIEBEL, Needham, Mass.

Pansy seed, superb mixed, 1/4-oz., 75c; 1-oz., \$5.00. Cineraria dwarf, finest mixed, pkts., 50c and \$1.00. Cineraria, tall, finest mixed, pkts., 50c and \$1.00. Bellis perennis, giant red, white and pink, pkts., 25c; 1/4-oz., 40c.
W. C. Beckert, Allegheny, Pa.

PANSY SEED. The most popular varieties from the best English, German and French growers.

JOHNSON & STOKES, 217-219 Market St., Philadelphia, Pa.

HONEST GOODS.**HONEST PRICES.****25 YEARS' RECORD.**

Send for our new catalogue.

H. H. BERGER & CO., 47 Barclay St., N. Y.

FOTTLER'S ECLIPSE MIGNONETTE, finest strain ever offered. Greenhouse-grown seed in trade pkts. of about 2000 seeds, \$1.00. PANSY, special strain for florists, 50c trade pkt.; \$5.00 oz. Send for our trade catalogue.

SCHLEGEL & FOTTLER CO., Boston, Mass.

New crop Shasta daisy seeds, 20c per 100; \$1.25 per 1000; \$9.00 per oz. of 20,000 seeds; 1/4-oz. at 05c. rate.

CALIFORNIA CARNATION CO., Loomis, Cal.

New crop Burbank's Shasta daisy seed, from strong plants and 4 1/2-in. blooms, 20c 100, \$1.50 1000. Reduction on large quantities.

The Knoll Nurseries, Penryn, Cal.

New crop seed of THORBURN'S superb pansy and Mme. Perret pansy now ready.

J. M. THORBURN & CO., 36 Cortlandt St., N. Y.

Wholesale price list of seeds for florist and market gardeners.

W. Atlee Burpee & Co., Philadelphia, Pa.

Rawson's Arlington tested seeds for florists. Catalogue free.

W. W. RAWSON & CO., Boston, Mass.

Pansy seed, Ne plus ultra, ready in August, \$4.00 oz. Jos. H. Cunningham, Delaware, O.

Shasta daisy seed, trade pkt., 15c.

S. J. Galloway, Eaton, Ohio.

SELAGINELLAS.

Selaginella Emmellana, fine 3-in. \$5.00 100.
Wagner Park Conservatories, Sidney, O.

BUSINESS BRINGERS—

Review

Classified Advs.

SMILAX.

Smilax, 3,000 extra strong, from 3-in. pots, \$2.50 per 100; \$20.00 per 1,000. Strong 2 1/2-in., \$1.50 per 100. Satisfaction guaranteed. Cash with order.

OTTO KESER, Portland, Conn.

Smilax, 8000 strong 2 1/2-in. pots, \$2.00 per 100, \$17.50 per 1000. Cash with order. H. P. Owen, Central Valley Greenhouses, Toughkenamon, Pa.

Smilax, 2-in., strong, twice cut back, \$2.50 100. From flats, transplanted and cut back as good as most 2-in., \$1.50 100.

N. P. COLBERG, Morris, Ill.

4000 smilax, 3-in. pots, strong, healthy plants, \$3.00 100. A. L. Brown & Son, Davis Ave., Kearney, N. J.

Fine, bushy smilax plants, 3-in., ready for 4-in. Make me an offer. Will send sample. J. J. Cummings, W. Baltimore St., Baltimore, Md.

Extra fine smilax from 2 1/2-in. pots, twice cut back, to close, \$1.25 per 100. Cash, please.

Burnell & Totman, Randolph, Vt.

Smilax, strong 2 1/2-in., \$2.00 100, \$15.00 1000. 50 at 100 rate. Cash with order.

The Haskell Ave. Floral Co., Dallas, Tex.

Smilax, 250 surplus, fine, strong plants, from 2 1/2-in. pots, the lot for \$5.00.

John Thurton, East Yonkers, N. Y.

Smilax, 2 1/2-in., extra strong, cut back, \$2.00 100; 2-in., fine, \$1.50 100.

Geo. M. Brinkerhoff, Springfield, Ill.

2500 field-grown smilax, \$3.00 per 100; \$25.00 per 1000. Cash please.

E. J. Cloud, L. B. 32, Avondale, Pa.

Smilax, strong 2-in., at \$1.00 per 100. What have you to exchange?

W. A. Reiman, Vincennes, Ind.

Smilax, 700 strong, 2 1/4 and 2 1/2-in., cut back, \$1.50 per 100. Cash.

M. M. Lathrop, Cortland, N. Y.

Smilax: good healthy stock, 2-in., \$1.25 100; \$10.00 1000.

E. I. Rawlings, Quakertown, Pa.

Smilax, 2-in., strong, cut back, \$9.00 1000; \$1.00 100. Cash. R. Kilbourn, Clinton, N. Y.

Smilax, strong 2 1/4-in., \$1.25 100; \$10.00 1000. Buckley Plant Co., Springfield, Ill.

Smilax, 2-in., 75c; 3-in., \$1.75 per 100.

Frank A. Norton, Ypsilanti, Mich.

2000 extra fine 3-in. smilax, \$2.50 100.

N. METZ, Dayton, Ohio.

Smilax, extra strong, \$2.00 per 100.

The Stafford Greenhouses, Marquette, Mich.

Smilax seedlings, 50 cents per 100.

S. S. Pennock, 1612 Ludlow St., Philadelphia.

Smilax, strong 2-in. \$1.25 per 100.

John Brod, Niles Center, Ill.

Smilax, 2 1/4-in., \$1.00 per 100.

R. O. Henderson, Iola, Kan.

Smilax, \$20.00 per 1000.

Crabb & Hunter, Grand Rapids, Mich.

Smilax, \$2.00 100.

R. Vincent, Jr. & Son, White Marsh, Md.

STEVIAS.

Stevia, 2 1/2-in. pots, 2 1/2c each; 4-in. pots, 6c each. Var. stevia, 3-in. pots, 5c. Cash.
M. F. La Roche, Collingdale, Pa.

Stevia serrata, fine winter blooming, strong, bushy plants, from 4-in. pots, \$6.00 per 100.
DEAN FERRIS, Peekskill, N. Y.

STRAWBERRY PLANTS.**A NEW STRAWBERRY.**

GOLDSBOROUGH, the very best for private gardens. An almost ideal berry in plant and fruit growth. Large, early and beautiful in shape and color. Extra fine flavor. Requires no sugar. A good forcer.

Have also "Phil Krates," second early, fine flavor; "Royal Straight Flush," midseason, enormous size; "Anask," late and larger than Gandy. Duplication Gooseberry, no mildew, larger and twice as productive as the Industry. Write for descriptions.

A. T. GOLDSBOROUGH, Wesley Heights, Washington, D. C.

75,000 pot-grown strawberry plants, if planted now will produce a full crop of large, luscious strawberries in 1904. We have these in stock in fifteen of the best varieties. Submit your list of wants for special low quotations.

T. J. DWYER & SON, Box 21, Cornwall, N. Y.
I have the finest line of PUT-GROWN strawberry plants in the East; 15 of the best varieties, and the prices are right. Send for my list.
WILFRID WHEELER, Concord, Mass.

SWAINSONAS.

Swainsona alba, 2 1/2-in., \$2.00 100.

R. Vincent, Jr. & Son, White Marsh, Md.

SULTANAS.

White sultana, Platypetala, flowers large, pure white, with red dot in the center. Now is the time to stock up for the coming season. IT SELLS. Strong plants, \$1.00 per doz.

N. O. CASWELL, Delavan, Ill.

UMBRELLA PLANTS.

Umbrella plants, 2-in., strong, selected, \$2.00 100; 6-in., 20c each; seed pkt., 25c. Cash.

Mayer & Son, Willow Street, Lancaster Co., Pa.

Umbrella plants, strong, 4-in., \$8.00 100; 5-in., \$12.00 100. Benzen Floral Co., 4025 Marcus Ave., St. Louis, Mo.

Umbrella plants, 2 1/2-in., \$3.00 per 100; good plants.

A. B. Campbell, Cochranville, Pa.

VEGETABLE PLANTS.

CABBAGE—Early and Late Flat Dutch, Savoy and other varieties, 25c per 100; \$1.00 per 1000.

CELERY—White Plume, Golden Heart, Giant Pascal and other varieties, 25c per 100; \$1.00 per 1000; \$8.50 per 10,000.

TOMATO—25c per 100; \$1.00 per 1000.

PARSLEY—25c per 100; \$1.25 per 1000.

Cash with order.

See our flower plant adv. in this issue.

R. VINCENT, JR. & SON, White Marsh, Md.

150,000 celery plants, cultivated and topped; strong. Giant Pascal, Golden Hearth, Schumacher, White Plume, Winter Queen and Many Heart, 25c per 100; \$1.75 per 1000. Packed light. Send P. O. or Express Money Orders.

HORACE RIMBY, Collegeville, Pa.

Celery, strong, transplanted plants, well-hardened, \$1.75 1000; \$15.00 10,000; \$28.00 20,000. White Plume, Boston Market, Giant Pascal and Golden Self-blanching. R. Kilbourn, Clinton, N. Y.

VERBENAS.

Lemon verbenas, 2 1/2-in., \$2.50 100.

R. Vincent, Jr. & Son, White Marsh, Md.

VINCAS.

We are booking orders for field-grown vincas, Oct. and Nov. delivery, \$3.00 per 100. Cash.

Dann & Son, Westfield, N. Y.

Vinca major, 6-in., \$3.00 doz.

L. H. Foster, Dorchester, Mass.

500 vincas, 5c each.

David S. Beach, Bridgeport, Conn.

VIOLETS.

15,000 Farquhar, Imperial and Marie Louise violets from 3-in. pots. All sand rooted, clean stock, Feb. and March struck.

The last of Aug. Booking orders now at \$3.50 per 100; \$30.00 per 1,000.

A. J. THOMPSON, 757 Campbell Ave, West Haven, Conn.

Violets. Try my clumps; field-grown and healthy. Cash prices. L. H. Campbell, \$3.50 per 100. Swanley White, \$4.00 per 100. Princess of Wales, \$4.50 per 100. By the plants.

A. B. Campbell, Cochranville, Pa.

Marie Louise violets, strong, healthy plants, 3-in. pots, \$3.00 per 100. Cash, please.

Petersen, Stryker Ave. and Annapolis St., St. Paul, Minn.

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Violets, Marie Louise and Lady Campbell, good, strong, healthy plants, out of 8-in. pots, carefully packed, \$3.00 per 100; \$25.00 per 1000. Cash with order.

GEO. H. BENEDICT, Yorkville, N. Y.

Lady Campbell violet plants, strong field-grown clumps from sand struck cuttings. Ready September 15, \$5.00 per 100; \$40.00 per 1000. Samples, 10c.

ALBERT H. BROWN CO., Westboro, Mass.

Violets, Imperial, M. Louise and Campbell, 3-in., \$4.00 100; \$35.00 1000; Campbells, 2½-in., \$20.00 1000. Crabb & Hunter, Grand Rapids, Mich.

3000 Marie Louise violets, 2½-in. pots, \$20.00 per 1000. Healthy No. 1 plants ready for planting. Cash with order.

JOHN F. AUER, Sykesville, Md.

Violets, Marie Louise, clean and healthy in every particular, 8-in. pots, \$5.00 per 100. Cash with order.

WM. J. CHINNICK, Trenton, N. J.

Marie Louise violets, 2½-in. pots, \$2.50 per 100; \$20.00 per 1000. Cash.

SEIDENWITZ, 36 W. Lexington St., Baltimore, Md.

Princess of Wales violets, field-grown plants, at \$6.00 to \$10.00 per 100; \$60.00 to \$75.00 per 1000. WM. SIM, Cliftondale, Mass.

Violets, Marie Louise, clean, healthy stock, out of 4-in. pots, \$5.00 per 100. Cash with order. N. H. SHERWOOD, Southport, Conn.

Parquhar violets from pots and Princess of Wales from field; nice, clean stock at \$3.00 per 100. Albert Hake, Manchester, Pa.

Marie Louise violets. Clean and strong plants from frames, \$15.00 1000; \$2.00 100.

H. N. HOFFMAN, Elmira, N. Y.

Violets Princess of Wales, fine plants, 2½-in., \$2.00 100; \$18.00 1000. Cash, please.

G. M. Naumann, Doan St., Cleveland, O.

Marie Louise violets, clean stock, ready to plant, \$2.00 per 100; \$15.00 per 1000.

JOHN B. RUDY, Elmira, N. Y.

Violets California, from 2½-in. pots, \$2.00 100; 3-in., \$3.50 100.

W. W. Stertzing, Maplewood Sta., St. Louis, Mo.

Violets Campbell, clean, field-grown, \$5.00 per 100.

W. G. Kroeber, Danbury, Conn.

California violets, 3-in., \$3.00 100.

S. M. Harbison, Danville, Ky.

TO EXCHANGE.

To Exchange—200 Cressbrook carnation plants from field, for same number of good white, red, or can use some yellow; also have three or four hundred Lawson, good plants, that I would exchange for white. Write me what you have.

D. C. Noble, Columbia City, Ind.

To Exchange—Latania borbonica, fine stock, 3-in., showing one to two character leaves, for good plants of Mrs. Lawson, Hill and White Cloud carnations.

Critchell's, Avondale, Cincinnati, O.

To Exchange—Fine, healthy stock of Ethel Crocker, America, Marquis, Frances Joost and other varieties for good Flora Hill.

C. C. Wonneman, Mexico, Mo.

To Exchange—What have you to exchange for strong 2-in. smilax at \$1.00 100?

W. A. Reiman, Vincennes, Ind.

Are you looking for someone who is looking for a bargain? You'll find him—by advertising that bargain in the Review's classified ads.

CUT FLOWER BOXES.

Hunt's LIBERTY Folding Boxes are PURE WHITE, almost waterproof and stronger than any other box on the market. Send for sample. Price no higher than the "cheap-looking" boxes usually sold.

E. H. HUNT, 76-78 Wabash Ave., Chicago.

CUT FLOWER BOXES, the best, strongest and neatest folding cut flower box made.

Livingston Seed Co., Box 104, Columbus, O.

Our box sells on its merits. Send for sample.

C. C. POLLWORTH CO., Milwaukee, Wis.

Florists' Boxes. The J. W. Sefton Mfg. Co., 241-247 S. Jefferson St., Chicago.

DECORATIVE MATERIAL.

Stock from the Berkshire Hills. Hardy cut fancy and dagger ferns, sphagnum moss, laurel, bouquet evergreens, festooning, wreaths, spruce and hemlock boughs. First-class goods always. Satisfaction guaranteed. Write

H. J. SMITH, Hinsdale, Mass.

Oldest dealer in the United States in hardy cut fancy and dagger ferns. Write for prices.

L. B. BRAGUE, Hinsdale, Mass.

Fancy and dagger ferns, laurel festooning, ground pine, sphagnum moss, etc.

Crowl Fern Co., Millington, Mass.

Fancy and dagger ferns, laurel festooning, leucothoe sprays, bouquet green, etc.

H. M. Robinson & Co., 11 Province St., Boston.

Leucothoe sprays, fancy ferns, green sheet moss, sphagnum moss, etc.

L. J. Kreshover, 110 W. 27th St., N. Y.

Fancy and dagger ferns, evergreens, etc. Good stock, low prices.

A. J. Fellouris, 468 Sixth Ave., New York.

Galax, ferns and leucothoe sprays are our specialties. N. Lecakes & Co., 53 W. 28th St., N. Y.

For southern wild smilax write

Caldwell The Woodsman Co., Evergreen, Ala.

EVERYTHING FOR FLORISTS.

Write for quotations on your wants to

E. F. WINTERSON CO.,

45, 47, 49 Wabash Ave., Chicago.

FERTILIZERS.

Pure pulverized sheep manure and unleached hardwood ashes. Send for sample and price.

J. L. Elliott, South Bethlehem, Pa.

FLORAL DESIGNS.

Wax Flowers and Wax Floral Designs.

J. Stern & Co., 1928 Germantown Ave., Phila.

GALAX LEAVES.

Galax, bronze or green, and small green galax for violets.

L. J. Kreshover, 110 West 27th St., N. Y.

GALAX LEAVES. Bronze or green.

A. J. Fellouris, 468 Sixth Ave., New York.

GALAX LEAVES, green or bronze.

N. Lecakes & Co., 53 W. 28th St., New York.

GALAX LEAVES, green or bronze.

Crowl Fern Co., Millington, Mass.

GALAX LEAVES, green or bronze.

H. M. Robinson & Co., 11 Province St., Boston.

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We make a special greenhouse putty. Price on application. Lord & Burnham Co., Irvington-on-Hudson, N. Y.

Florists' Specialties in Glass, Paint and Putty. Instructive advertising free for the asking. Write JOHN LUCAS & CO., Philadelphia, Pa.

Importers and jobbers of greenhouse glass.

WHEELER-STENZEL CO.,

30 Sudbury St., Boston, Mass.

Greenhouse glass, paint and putty are our specialties.

Casper Limbach, Pittsburg, Pa.

Greenhouse glass a specialty. Sprague, Smith Co., 207-209 Randolph St., Chicago.

Greenhouse glass and putty a specialty.

C. S. Weber & Co., 10 Desbrosses St., N. Y.

GLAZING POINTS.

Siebert's zinc "Never-rust" glazing points. Sold by all seedsmen, or C. T. Siebert, Pittsburg, Pa.

The "Model" glazing point. Zinc. Practical. Durable.

Parker Bruen Mfg. Co., Harrison, N. J.

The Florists' Manual, by William Scott, is a whole Library on Commercial Floriculture.

HOSE.

Bull-dog hose, 7 ply, guaranteed; ¾-in., 16 ft.

U. Cutler Ryerson, Newark, N. J.

Good Hose. J. G. & A. Esler, Saddle River, N. J.

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Use SULPHO-TOBACCO SOAP and have clean, healthy plants. Sample free cake if you mention The Florists' Review.

LARKIN SOAP CO., Buffalo, N. Y.

Tobacco dust, fresh stock, \$1.75 100 lbs.; stems about 100-lb. bales, 1c per lb.

W. W. Barnard & Co., 161 Kinzie St., Chicago.

SURE CURE WASH for all insect life and mildew, etc., on roses, orange trees, etc. Trade pkt. by mail, 25c.

GEM NURSERY, Los Gatos, Cal.

Send for a 5-lb. trial pkg. of our TOBACCO POWDER. Our booklet tells of it. Write Dept. D for it.

H. A. Stoothoff Co., 116 West St., New York.

Rose Leaf Extract of Tobacco will save you money. For free booklet write KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

NICOTICIDE kills all greenhouse pests.

Sold by all seedsmen.

POTS.

Standard Pots. We are now ready to supply a superior quality of pots in unlimited quantities. Catalogues and price lists furnished on application.

A. H. Hews & Co., North Cambridge, Mass.

Standard Flower Pots. If your greenhouses are within 500 miles of the Capital, write us; we can save you money. W. H. Ernest, 28th and M Sts., N. E., Washington, D. C.

Flower Pots. Before buying write us for prices. Geo. Keller & Son, 381-383 Herndon St. (near Wrightwood Ave.), Chicago.

RED POTS. STANDARD SIZE.

SYRACUSE POTTERY CO., Syracuse, N. Y.

Those RED pots. The right kind.

C. C. POLLWORTH CO., Milwaukee, Wis.

Red pots. Write for prices and sample pot.

Colesburg Pottery Co., Colesburg, Iowa.

PAINT AND PUTTY.

TWEMLOW'S OLD ENGLISH GLAZING PUTTY. An old article when goods were made for quality, not cheapness. It lasts a lifetime and is the best article today for all greenhouse glazing. Makes a firm, lasting bed for glass, unaffected by heat or cold. No leaky sash-bars when this is used.

1-gallon can (16 lbs.).....\$ 1.25
5-gallon can 5.90
10-gallon can 12.00
20-gallon can 23.00

B. H. HUNT, 76-78 Wabash Ave., Chicago.

BUSINESS BRINGERS—

Review

Classified Advs.

SPHAGNUM MOSS.

Sphagnum moss of first quality. Can ship at a moment's notice—2 bales, \$1.50; 10-bale lots, \$6.00. Z. K. JEWETT & CO., Sparta, Wis.

Fresh 5-bbl. bale, \$1.25; 3 bales, \$3.25; 5 bales, \$5.00. H. R. Akers, Chatsworth, N. J.

Sphagnum moss. Write for prices on large quantities. Crowl Fern Co., Millington, Mass.

Sphagnum moss, selected, 6-bbl. bale, \$2.25.

U. Cutler Ryerson, Newark, N. J.

Sphagnum moss. Write for prices.

H. M. Robinson & Co., 11 Province St., Boston.

TIN FOIL.

American brand FLORESTA FOIL—The standard foil of America.

John J. Crooke Co., 155 Ave. D, New York.

The CHEAPEST way, the EASIEST way, and the BEST way to get rid of that surplus stock is to use the REVIEW'S classified ads.

TOOTHPICKS.

Wired toothpicks, 10,000, \$1.50; 50,000, \$6.25. Sample free. For sale by dealers.

W. J. COWEE, Berlin, N. Y.

Wired toothpicks, box of 10,000, \$1.50.

W. W. Barnard & Co., 161 Kinzie St., Chicago.

WIRE SUPPORTS.

Model Extension carnation supports and galvanized rose stakes. Parker-Bruen Mfg. Co., 208 Jersey St., Harrison, N. J.

Model Extension carnation supports; also galvanized rose stakes and tying wires.

Igoe Bros., 226 North 9th St., Brooklyn, N. Y.

WIRE WORK.

Galvanized stakes. No. 9 straight wire. Per 1000: 3-ft., \$6.75; 3½-ft., \$8.00; 4-ft., \$8.50; 5-ft., \$12.00. No less than 1000 sold. Write for prices on 10,000 and 50,000 lots.

W. W. Coles, Kokomo, Ind.

Galvanized wire plant stakes at rock-bottom prices. N. F. McCarthy & Co., 84 Hawley St., Boston, Mass.

We are the largest manufacturers of wire work in the west. E. F. Wintererson Co., 45, 47, 49 Wabash Ave., Chicago.

We are manufacturers—no middleman's profits. C. C. POLLWORTH CO., Milwaukee, Wis.

Emil Steffens, Manufacturer of Florists' Wire Designs. 335 East 21st St., New York.

Reed & Keller, 122 W. 25th St., New York.

Manufacturers of Wire Designs.

E. H. Hunt, 76-78 Wabash Ave., Chicago.

NEWARK, N. J.—Articles of incorporation were filed August 18 by the T. L. Lowdon & Sons Company, with an office at 525 Main street, East Orange. The corporation is to operate in New York and will do a general florist, seed and landscape gardening business. The capital stock is fixed at \$50,000, divided into 500 shares of a par value of \$100 each. Of this 400 shares are to be common stock and 100 preferred. The incorporators and their holdings are: James B. Richardson, eight shares; Walter B. Bond, one share, and Gardiner W. Kimball, one share—all common stock.

PLEASE MENTION THE REVIEW WHEN WRITING ANY OF THESE ADVERTISERS.

NEW ORLEANS.

The installation of the newly elected officers of the New Orleans Horticulturists' Association took place August 20. J. E. Newsham, of the committee on conference with Central Park commission, said that the co-operation of the florists had been heartily accepted by the commission. Paul Abele, of Abele Bros., and Richard Eichling, of U. J. Virgin's, exhibited plants and flowers. Dave Newsham, who is making a collection of flowers and plants for the association's exhibit at the World's Fair in St. Louis, reported that his collections were succeeding very satisfactorily and that he will have a very fine exhibit. A finance committee, composed of the following members, was appointed by the chairman: J. St. Mard, A. Schalk and C. R. Panter.

New Orleans had a party of six at the S. A. F. convention. Several of them are yet in Chicago.

NEW BRIGTON, PA.

Business is very slow at present, but everybody is busy with preparations for next season. At August Meyer's they have all their chrysanthemums benched, about 2,500 fine, healthy plants. The asters here are coming on fine. They have the houses cleared out ready for carnations. They will bench about 3,500 plants and they are looking fine in the field. John H. Meyer has resigned his position with his father and quit the greenhouse business altogether. He was liked by everybody in the valley and all are sorry to see him leave. At J. J. Bolton's place everyone is hustling to get things into shape, and at the Engle place also.

SEATTLE, WASH.—Earl Stiles has filed a claim for \$50 damages because of broken glass resulting from blasting done by city laborers.

NEW CARNATION

LOUISE NAUMANN

A most brilliant dark pink, fringed variety, cuttings in January. \$1.25 doz.; \$3 100; \$70 1000.

G. M. NAUMANN,

1537 Doan Street, CLEVELAND, OHIO.

Mention the Review when you write.

CARNATIONS.

Fine Field-Grown Carnations.

Lawson, \$6.00 per 100; Triumph, \$5.00 per 100; Crane, \$5.00 per 100; White Cloud, \$5.00 per 100; Flora Hill, \$5.00 per 100; Glacier, \$5.00 per 100.

MRS. ELIZABETH KUNTZ, FRANKFORT, IND.

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Brides and Maids

Strong plants, 3-inch pots, \$5.00 per 100.

Charles E. Meehan, Siecum & Musgrove Sts. Germantown, Pa.

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Golden Gate Roses

Thrifty plants from 2½-inch pots, \$2.00 per 100; \$17.50 per 1000.

WM. B. SANDS,

LAKE ROLAND, BALTIMORE, MD.

Pierson Fern September Delivery

2½ and 2¾-in....\$25.00 per 100; \$112.50 per 500
Bostons, 2½-in. 5.00 per 100; 22.50 per 500
READY NOW—Maranta Makoyana, 3-inch, \$25.00 per 100.

CHAS. H. CAMPBELL, 3601 Germantown Ave., Philadelphia.

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Carnation Plants

FIELD-GROWN, STRONG, HEALTHY STOCK.

PROSPERITY.....\$7.00 per 100
QUEEN LOUISE.....7.00 "
ESTELLE.....7.00 "
Mrs. G. BRADT.....\$7.00 per 100; 60.00 per 1000
Mrs. JOOST.....6.00 " 50.00 "
MELBA.....5.00 " 45.00 "
MacRICHMOND.....5.00 " 45.00 "

JEROME JONES MUMS, 2½-in. pots, 8.00 per 100

HARDY ENGLISH IVY, strong, 3 in. pots, \$5.00 per 100; \$40.00 per 1000.

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FOR SALE.

Carnation Plants.

A-1 Stock, Clean and Healthy.

2800 MARQUIS, \$4.00 per 100 or \$30.00 per 1000

500 GOV. ROOSEVELT, \$5.00 per 100.

200 ADIANTUM CUNEATUM good 3-year old clumps, at \$20.00 per 100.

CHAS. SCHWEIGERT,

NILES CENTER, ILL.

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Roses EXTRA STRONG

American Beauty.....3½-in.....\$10.00 per 100
Golden Gate.....3½-in.....8.00 per 100

H. WEBER & SONS, Oakland, Md.

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Now is the time to buy your fall stock of

FERNS

We offer a fine thrifty lot in 3-inch pots of following varieties: Pteris Ouvrardi, Pteris Cristata, Pteris Tremula, Nephrolepis Exaltata Compacta, Selaginella Emilianna. Price \$5.00 per 100.

Wagner Park Conservatories, Sidney, Ohio.

THE FLORISTS' MANUAL, BY WM. SCOTT.

Is a book of 224 large pages (same size as those of the Florists' Review) and contains about 200 articles on commercial plants and cultural operations, each giving "the meat" only, from the personal experience of a thoroughly practical man who is in daily touch with each department of the business, and who has that rare quality of being able to tell others what they want to know. The articles are arranged alphabetically, like those in an encyclopaedia, and in an instant one can turn to the subject upon which light is desired at the moment. The book is illustrated by over 200 fine half-tone engravings. It is

A Complete Reference Book for Commercial Florists

and is a whole library on practical commercial floriculture in one volume. It is very handsomely and substantially bound in half leather, with specially designed title in gold. Following we print a few extracts from letters received from buyers of the book:

After reading Mr. Wm. Scott's Manual, we wish to say that we consider it without equal as a book of reference for busy florists.
GEORGE M. KELLOGG.
Pleasant Hill, Mo.

Mr. Scott's superb work, "The Florists' Manual," was indeed worth waiting for. When compared with the amount of practical information it contains, the selling price, \$5.00, seems a mere bagatelle.
Oakland, Md. H. WEBER & SONS.

It is the best book of the kind ever published. There is more in it than in any other book I have ever seen. I am delighted with it.
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No progressive florist, old or young, can afford to be without the Florists' Manual. The old florist needs it, for reference, to aid a defective memory, and the young florist wants it as a guide in this progressive era of the florists' business.
J. T. TEMPLE.
Davenport, Ia.

The Florists' Manual is worth five times the price. It is just what a busy florist wants.
Columbus, O. B. RUEHLER & SON.

Am well pleased with the Manual. It is a practical, everyday helper, concise and to the point.
Milwaukee, Wis. W. A. KENNEDY.

Am very much pleased with the book; it is very handy for reference.
Macomb, Ill. F. E. BONHAM.

Unlike so many of our books, it has the very flavor and essence of actual experience.
Ithaca, N. Y. L. H. BAILEY.

We have gotten much valuable instruction from the Florists' Manual and prize it highly.
Franklin, Tenn. TRUETT BROS.

Am much pleased with the Manual. It is just what I have been looking for. Something that we can understand, and enjoy reading.
Etna, Pa. M. NAUMAN.

Price \$5.00, Carriage Prepaid.

I greatly appreciate the Florists' Manual. It is a splendid text-book.

JOHN WELSH YOUNG.
Germantown, Pa.

The Florists' Manual is a gem. No florist can afford to be without it.
Madison, N. J. A. J. BURR.

If everyone has enjoyed your book as I have it's a successful publication. It is different from our usual horticultural works, being plain and concise—just what one wants.
Flushing, N. Y. H. D. DARLING.

The copy of the "Florists' Manual" was duly received. I am very well pleased with same. The more I read it the better satisfied I am with it, and there are one or two articles alone in it that are each worth all you ask for the book, for everything is made so plain and all details are right to the point. I trust you may have a good and ready sale for the same.
M. S. WORTEN.
North Adams, Mass.

FLORISTS' PUBLISHING CO., Caxton Building, CHICAGO.

FIELD-GROWN Carnation Plants.

It has been a good growing season and plants are in fine shape, strong and bushy.

Mrs. Thos. W. Lawson.....	\$6 00	\$50 00
Guardian Angel	4 00	35 00
Mrs. Frances Joost	3 00	25 00
Genevieve Lord.....	3 00	25 00
Triumph	4 00	35 00
Mrs. Higginbotham.....	5 00	40 00
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Mrs. Potter Palmer	4 00	35 00
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Flora Hill.....	5 00	40 00
Dorothy	6 00	50 00
Mrs. Nelson.....	6 00	50 00
Prosperity	8 00	75 00
Norway	5 00	40 00
White Cloud.....	5 00	40 00
Mrs. Geo. M. Bradt.....	5 00	40 00

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

Peter Reinberg

51 Wabash Ave.,

CHICAGO.

Mention the Review when you write.

PRIMROSES

IMPROVED CHINESE. Finest large-flowering fringed varieties grown, single and double, named or mixed, ready for 8-inch pots, \$2.00 per 100. Extras added liberally.

CYCLAMEN GIGANTEUM. Finest mixed, strong 2½-inch, \$1.00 per 100.

XXX SEEDS

CHINESE PRIMROSE. Finest grown, large flowering, fringed, single and double, 15 varieties, mxd., 500 seeds, \$1.00; half-pkt., 50 cts.

CINERARIA. Finest large-flowering, dwarf, mixed, 1000 seeds, 50 cts.

PRIMULA OBCONICA Grandiflora. The finest large-flowering, 1000 seeds, 50 cts.

DAISY. Double Giant, white and rose, mixed or separate, 1000 seeds, 25 cts.

GIANT PANSY SEED.

The best large-flowering varieties, critically selected, 5000 seeds, \$1.00; half-pkt., 50 cts.

500 seeds of Giant "Mme. Perret" added to every \$1.00 pkt. of Giant Pansy seed.

Cash. Liberal extra count of seeds in all packets.

JOHN F. RUPP, SHIREMANSTOWN, PA.

The Home of Primroses.

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Florists' Review

When Writing Advertisers.

Winter Flowering Roses.

Fine healthy stock from selected cuttings. Sunrise, American Beauty, La France, 3-in pots, \$7.00 per 100.

Brides, Maids, Golden Gates, Meteors, Safrano, Bon Silene, Mme. Hoste, Papa Gontier, 3-in. pots, \$5.00 per 100.

GRAFTED ROSES. Fine bushy plants in 3½ and 4-in. pots.

Liberty, Ivory, \$15.00 per 100. Brides, Maids, Golden Gates, Kaiserin, \$12.00 per 100.

J. L. DILLON, BLOOMSBURG, PA.

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Winter Flowering SWEET PEAS

Seed for forcing only.

ZVOLANEK'S CHRISTMAS—PINK.

FLORENCE DENZER—PURE WHITE.

Price—One pkt., 75c; 1 lb., \$2.50, mailed free. Not less than 75c worth will be sold. Sold only in my original packet, with directions.

Stock seed of this variety is carefully selected in my greenhouses from stems over 14 inches long. These two varieties, if sowed the first part of September, will bloom for Christmas. When planted in December, after latest mums, will bloom in February. New crop ready middle of August. Orders booked now and filled in rotation.

ANT. C. ZVOLANEK,
GRAND VIEW, N. J.

Money Orders: Somerville, N. J.

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ARAUCARIA EXCELSA

2-inch pots, two tiers, \$16.00 per 100.

Araucaria Imbricata

2½-inch pots, strong plants, \$10 per 100.

CALLA LILIES—	100	1000
6-inch circumference.....	\$5 00	\$45.00
5 " " " " " " " " " " " "	4 50	40.00
4 " " " " " " " " " " " "	4 00	35.00
2½ to 3-inch " " " " " " " " " " " "	2 50	22.50
Narcissus—Paper White, extra size	1 00	7.50
large size	.75	5.00
Freesia Bulbs—Extra selected	.50	4.00
Large	.35	2.50
Amaryllis Belladonna—Ready to bloom	\$1.00	
per doz.; \$8.00 per 100.		

F. LUDEMANN,

3041 Baker St., SAN FRANCISCO, CAL.

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Field-Grown Carnations

HEALTHY, NO STEM-ROT.

Glacier, Crane, Joost..... \$4.00 per 100.

H. F. Piggott, S. Brooklyn, O.

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SURPLUS STOCK.

Quality First-Class.

2200 3½-inch Maids, \$35.00 per 1000.

8500 2½-inch Mums, 20.00 per 1000, including Chadwick, Golden Wedding, Appleton, Willbrook, Kalb and many others.

Liger, Richardson, 2½-in., strong, \$15.00 per 100.

POEHLMANN BROS. CO., Morton Grove, Ill.

Mention the Review when you write.

Fumigating Kind Tobacco Powder

KILLS ALL APHIS IN ONE NIGHT on a human body, at a cost of 10c. As the trial pkg. will give nothing if you will pay the express charges on the order, please fill out the order form. Write Dept. of Toxicology, The H. A. STODOLSKY COMPANY, 116, 117, 118 West St., N. Y. City.

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Bentzen Floral Co.

4025 Marcus Ave.,

ST. LOUIS, MO.

A. SPRENGER. strong plants, 3-in., \$4.00; 4-in., \$8.00; 5-in., \$15.00; 6-in., \$25.00 per 100.

A. PLUMOSUS, strong plants, 3-inch, \$10.00 per 100.

POINSETTIAS, strong plants, 2½-in., \$6.00; 3 inch, \$8.00; 4-in., \$10.00 per 100.

UMBRELLA PLANTS, strong plants, 4-in., \$8.00; 5-in., \$12.00 per 100.

BOSTON FERNS, fine strong plants, 3-in., \$10.00; 4-in., \$20.00; 6-in., \$40.00 per 100; 8-in., \$1.00 each; 10-in., \$1.25 each.

CARNATIONS, field-grown, strong plants: Hill, \$5.00 per 100. Joost \$5.00 per 100. Day-break, \$5.00 per 100. McGowan, \$3.00 per 100.

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FOR SALE.

Extra strong CARNATION PLANTS from field:

QUEEN LOUISE, ELM CITY, F. JOOST, LAWSON, ADMIRAL CERVERA,

\$8.00 per 100. Order at once. These plants are selling fast.

FRANK H. KIMBERLY,
NEW HAVEN, CONN.

Mention the Review when you write.

BEGONIA GLOIRE DE LORRAINE

Strong, 2-inch pots.

\$15.00 per 100; \$140.00 per 1000

J. H. REBSTOCK, 586 Main Street, BUFFALO, N. Y.

Mention the Review when you write.

Asparagus Sprengeri!

2-inch pots.....\$2.00 per 100
2½-inch pots..... 2.50
3-inch pots..... 3.00

We prepay express charges and guarantee satisfaction.

LOOMIS FLORAL CO., - - LOOMIS, CAL.

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ORCHIDS..

Arrived in splendid condition a grand lot of Cattleya labiata; also C. Maxima. Write for prices.

Lager & Hurrell, Growers and Importers... Summit, N. J.

Mention Review when you write.

NEW YORK.

The Market.

Business is at a complete standstill. It seems as if all of the growers have started to ship in from their young stock, and when all this is added to the immense quantities of summer stock in the market, the condition of things can well be imagined. It is with difficulty that No. 1 and No. 2 roses can be cleared out at all. They are more often bunched up and sold at so much per box, rather than by the 100.

Beauties are selling better, if anything, though at times they are sold extremely low. To make matters worse chrysanthemums are expected this week.

The spurt that was expected owing to the yacht races has not materialized. To sum the whole thing up, it is the worst summer trade experienced here; entirely too many flowers for the very light demand.

Various Notes.

Peter Crowe, of Utica, has sold to W. F. Kasting, of Buffalo, 6,000 plants of his new fern, *Adiantum Croweanum*. Mr. Kasting has the wholesale handling of this good variety, and arrangements for a large output next season are in progress, the above being only a foretaste of what this enterprising wholesaler intends to do toward its dissemination.

Alexander Wallace has written a book, *The Heather in Lore, Lyric and Lay*, a beautiful work of about 250 pages, soon to be published by the A. T. DeLaMare Co., and a book, judging by its prospectus, full of information and interest, especially to Scotchmen, as it is the first exhaustive book on the subject ever written.

August 19 the first violets of the season were received by Ford Bros. Mrs. M. J. Moore, of Highland, N. Y., having the honor of opening the campaign.

Schloss Bros.' new violet scarfs are a great success.

WE OFFER A BEAUTIFUL STOCK OF

Kentia Belmoreana—		Char.	Per 100
In. high.	Size Pots.	Leaves.	
12-15	3-in.	5	\$15.00
18-20	4-in.	6	30.00
20-24	4-in.	8	50.00
Latania Borbonica—			
12-15	4-in.	2	15.00
15	4-in.	3-4	25.00
18-20	4-in.	5	30.00
Biotia Aurea Wana—			
12-15	Very compact,		20.00
18-20	"		30.00
Cedrus Deodara—			
15-18	Very shapely,		25.00
20-24	"		30.00
Oranges—Best sorts, grafted on Citrus trifoliata, bearing sizes.			
12 in.	4 in. pots, bushy		20.00
15-18 in.	4-in. pots,		30.00
Kumquats—			
10-12 in.	4-in. pots,	"	20.00
Exochorda Grandiflora—			
18-24 in.	Very bushy, transpl.,		8.00
3-4 ft.	Heavy,		10.00
Hydrangea Rosa, Thos Hogg, etc.			
Strong field-grown, well branched.			
12-18 in.			8.00
24-36 in.			12.00

(Not less than 40 of a sort sold at 100 rate.) We also offer an immense stock of ornamental trees, shrubs, conifers, azaleas, camellias, and other stock suitable for landscape work.

No Disease or Insects on our Stock. Catalogues sent on application.
P. J. BERCKMANS COMPANY, (Inc.)
Fruitland Nurseries,
AUGUSTA, GA.
Mention The Review when you write.

The New..

NEPHROLEPIS
PIERSONI

The most valuable novelty introduced in years. Fine, thrifty plants, \$30.00 per 100 ; \$250.00 per 1000.

BOSTON FERN

\$5.00 per 100; \$40.00 per 1000; larger plants, \$10.00 per 100; \$95.00 per 1000.

Anna Foster Fern

Plants ready for 5-inch pots, \$25.00 per 100; 6-in., \$35.00 per 100.

SEEDLING FERNS

Fine plants, ready for 2¼-in. pots, \$10.00 per 1000.

John Scott,

Keap Street Greenhouses, BROOKLYN, N. Y.

TELEPHONE 1907 WILLIAMSBURG.

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LOOK ! Don't miss these BERRIED PLANTS FOR CHRISTMAS

Solanum Gillatum or Adam's Apple, large, bright red berries, 3-in. pots, 5c; 4-in. pots, 10c each.
Solanum Annum or Celestial Peppers, 4-in. pots, 10c each.
Solanum Capsicos'rum or Jerusalem Cherry, large berries, var., 3-inch pots, 5c each.
Stevia 2½-inch pots, 2½c; 4 inch pots 6c each.
Stevia Variegata, 3-inch pots, 5c each.
Genista, large flowering variety, 3-inch pots, 5c each.
Hydrangea Otakea, pink and blue, 3-in. pots, 5c; 4-in. pots, 8c each.
English Ivy, 2½-inch pots, 5c each.
All these plants are strong and clean and ready to ship. Cash. Satisfaction guaranteed.

M. F. LaROCHE, Collingdale, Pa.
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Carnation Plants

Excellent stock in the following varieties:
500 Lawson, 650 Melba, 400 Higginbotham, 400 Estelle, 300 Queen Louise, 300 Flora Hill, 100 Cressbrook, 150 Gaiety, 600 Joost, 100 Daybreak, 100 Potter Palmer. While they last \$5.00 per 100. Stock grown at and shipped from St. Louis. Address

S. S. SKIDELSKY,
708 N. 16th St., PHILADELPHIA, PA.
Mention Review when you write.

THE BEST are the CHEAPEST in the end.

Enchantress.....	per 100, \$14.00	Per 1000, \$120.00
Gov. Wolcott.....	" 9.00	" 80.00
Joost	" 5.00	" 45.00

Lillian Pond.....per 100, 10.00

Lorna, Admiral Cervera, Morning Glory, Dorothy, Crane, Norway, Cressbrook, G. Lord and Flora Hill, all \$6.00 per 100. — Cash. —

C. L. HOWE,
CARNATION SPECIALIST, Dover, N. H.

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THIS IS OUR OFFER.

Asparagus Sprengeri—3-in. \$3.00, 3-in. \$5.00 4-in. \$8.00 per 100. *Aspidistra Lurida*—4-in. \$25.00 per 100. Good strong plants; worth every cent.
ADOLPH G. FEHR, Belleville Ill.
Mention the Review when you write.

We have this season OVER TWO ACRES OF GREENHOUSE SPACE FILLED WITH KENTIAS, the plants are clean, vigorous, thrifty and of a good, dark color. The plants are all of exceptional good value.



2 1/4 in. pots.....	4 leaves.....	8 to 10 in. high.....	\$1.25	\$10.00	\$90.00
3	5	12 to 15	2.00	15 00	140.00
4	5 to 6	15 to 18	4.50	35.00	325.00
5	5 to 6	18 to 20	7.50	60.00	
5	5 to 6	20 to 24	9.00	70.00	
6	6	20 to 22			Each \$1.00
6	6	28 to 30			1.25
6	6 to 7	30 to 36			1.50
7	6 to 7	30 to 36			2.00
8	6 to 7	36			2.50
8	6 to 7	38 to 42			3.50
8	6 to 7	42			4.00
9	6 to 7	42 to 48			5.00

KENTIA FORSTERIANA.				Per doz.	Per 100	Per 1000	
2¼ in. pots.....	4 leaves.....	8 to 10 in. high.....		\$1.25	\$10.00	\$90.00	
3	"5	"12 to 15	2.00	15.00	140.00
4	"	5 to 6	"15 to 18	4.50	35 00	325.00
5	"	5 to 6	"18 to 20	7.50	60.00	
							Each
6	"	6	"28 to 30			\$1.00
6	"	6	"30 to 32			1.25
6	"	6	"32 to 36			1.50
7	"	6	"36			2.00
8	"	6	"42			2.50
8	"	6 to 7	"42			3.00
8	"	6 to 7	"4 ft. high.			4.00
8	"	6 to 7	"4 to 4½			5.00
9	"	6	"5½ to 6			6.00
10	"	6 to 7	"5½ to 6			7.50
10	"	6 to 7	"5			10.00
10	"	6 to 7	"6			12.50
12 in. tubs,	6 to 7	"	"6			20.00
12	"	6 to 7	"7 to 8			25.00

10	"	3	"	3 1/2	"	6.00
10	"	4	"	4 1/2	"	7.10
9-in. tubs,	3	"	"	4 1/2	"	8.00
12-in. pots, 3 to 4	"	"	"	5 1/2 to 6	"	12.50
10-in. tubs,	3	"	"	6	"	15.00
12	"	3	"	7	"	20.00

8-in. pots, 15 inches high.....	each, 25c;	per doz., \$2.50
4 " 18 " 	35c;	3.50
6 " 30 " 	each, 1.50

6	"	24		each,	\$.50
4	"	3 plants in a pot,	16 to 18 inches high	"	1.25

For a complete list of **PALMS** and other **DECORATIVE STOCK**, also **BULBS** and **SEASONABLE FLOWER SEEDS**,
see our current **Wholesale List**.

Mention the Review when you write.

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F. DORNER & SONS CO., LaFayette, Ind.

OTTO BOURDY, LOWELL, MASS.

F. O. B. YOUR CITY.

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Convention Bargains

Everything as Represented or Money Refunded

ASPIDISTRAS Cheaper than they can be imported, 5 and 6 leaves, 5-in. pots, at \$2.25 per doz.; \$18.00 per 100.

ARAUCARIA EXCELSA Perfect beauties, 3 to 4 tiers, 5-in. pots, 10 to 12 inches high, at \$5.50 per doz.; \$42.50 per 100.

KENTIA BELMOREANA We have them from thumb pots at \$2.50 per 100, \$20.00 per 1000, up to noble specimens, in PERFECT CONDITION, 8-in. pots, 5 to 6 GOOD leaves, 2½ to 3 feet high, at \$1.75 each; \$20.00 per doz.

LATANIA BORBONICA 5 to 7 leaves, 5-in. pots, at \$2.25 per doz.; \$18.00 per 100. This is very Special.

RUBBER PLANTS 4-in. pots, 7 to 9 leaves, fully established, perfect condition, \$2.50 per doz.; \$20.00 per 100.

ARECA LUTESCENS Special Offer—7-in. pots, 3 plants in pot, 30 to 32 inches high, \$10.00 per doz.; 8 in. pots, 3 to 4 plants in pot, 2½ to 3 feet high, at \$15.00 per doz. 10-in. pots 3 to 4 feet high, 5 and 6 plants in pot, \$4.00 each.

A postal will bring you one of our Catalogues of over 100 acres of Choice Nursery Stock.

THADDEUS N. YATES & CO. Nurserymen and Florists Mt. Airy, Phila., Pa.

Mention the Review when you write.

BOSTON.

It does seem awfully dull; but a little calculation, I think will establish as a fact, the idea that there is a substantial gain in the amount of trade now going on over and above the previous year's work. The trouble is that there are many more growers now represented in the market than ever before and the smaller ones bring in as much material as the larger ones did. The competition is getting to be something terrific. There are also less customers in number than formerly, I believe, but the individual customer buys more goods.

An assistance to the existing condition of things is that the street fakirs are carrying on more business than has been usual at this time of year. Growers usually manage to move all the fairly good material and a huge amount of poorer grades.

Good white asters and good colored pinks have been a bit shy lately, but the arrival of later crops of asters has now fixed up their part of that difficulty.

There is nothing for news outside of the sale of stalls at the Columbus avenue market. This is advertised to come off at 9 p. m., Saturday, September 12.

T. C. Thurlow had a fine showing of phloxes at Horticultural hall last Saturday.

J. S. MANTER.

We are in receipt of the volume containing the proceedings of the twelfth annual meeting of the American Carnation Society, at Brooklyn, February 19 and 20, 1903. It is a neatly printed pamphlet of eighty pages and contains, also, a list of the members. The frontispiece is a handsome portrait of C. W. Ward, eleventh president of the society.

FIELD-GROWN Carnation Plants.

CLEAN, STRONG AND BUSHY.

	Per 100	Per 1000
MORNING GLORY	\$4.00	\$35.00
GUARDIAN ANGEL	4.00	35.00
AMERICA	4.00	35.00
GOMEZ	4.00	35.00
FLORA HILL	4.00	35.00
WHITE CLOUD	4.00	35.00
FRANCES JOOST	3.00	30.00
F. COTT	3.00	30.00

ALFRED B. EVERETT,

(Formerly Harm's Park Floral Co.)

BERTEAU and NORTH OAKLEY AVENUES, CHICAGO.

Mention the Review when you write.

...FERNS...

NEPHROLEPIS PIERSONI	2¼ inch	\$0.30 each
"	3	.50
"	4	.75
"	5	1.00
"	6	1.50
"	7	2.00
"	8	2.50
"	10	3.00
BOSTONIENSIS	2¼	4.00 100
"	5	pans. .30 each
"	6	.40
CORDATA COMPACTA	5	.80
"	6	.40
DAVALLIOIDES FURCANS	8	15.00 100
PLUMOSUS	3	10.00 100

All of the above stock is in excellent condition, sure to be satisfactory.

Also four varieties of Asparagus, 5-inch Cyclamen, Smilax, Primroses and Hardy Herbaceous plants. Description and prices on application.

Nathan Smith & Son, Adrian, Mich.

Mention the Review when you write.

Field-Grown Carnation Plants

	Per 100	Per 1000
Mrs. Lawson	\$6.00	\$50.00
Flora Hill	5.00	40.00
White Cloud	5.00	40.00
Queen Louise	5.00	40.00
Norway	5.00	40.00
Prosperity	5.00	40.00
Guardian Angel	5.00	40.00
Joost	3.00	25.00
Marquis	3.00	25.00

The above named plants are strong and healthy.

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is unquestionably the best semi-double scarlet on the market. Strong 2¼-inch plants, \$3.00 per 100; Rooted Cuttings, \$5.00.

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STRONG STOCK, Well Established.

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4,000 Lawsons, 1,000 Queen Louise,

Exceptionally choice field-grown plants. Write for quotations.

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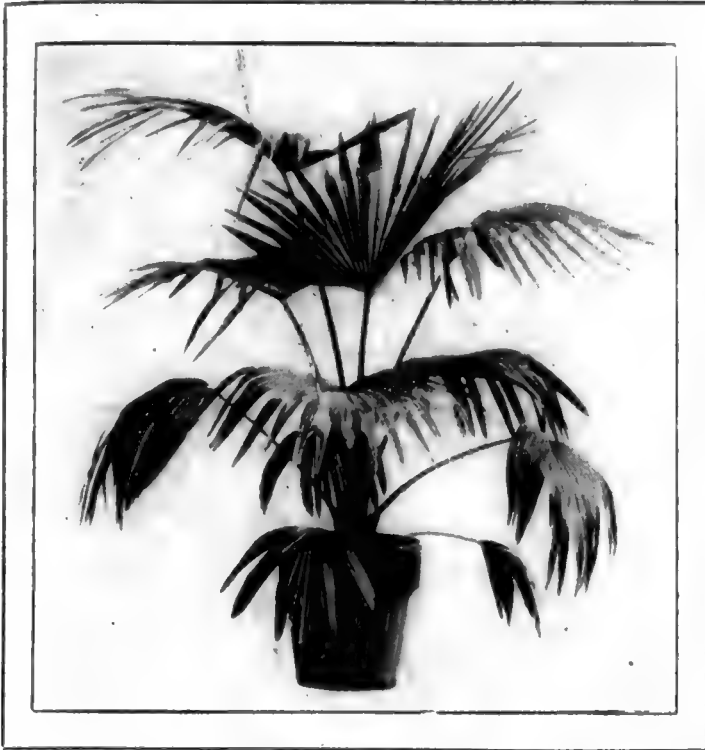
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We have purchased the Convention exhibits made by

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For Fancy Stock at Reasonable Prices write us.

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700 Dorothy, 700 Gaiety, 400 Triumph, 1500 Joost, 300 Crocker, 500 Nelson, 1500 Glacier, 500 Maceo, 300 Roosevelt; first size, \$8.00 per 100.
500 Alba, 200 Apollo, 300 Crane; second size, \$5.00 per 100.
500 Morning Glory, 1000 Wolcott; first and second size.

ROSE PLANTS.

200 4-inch American Beauties..... \$12.00 per 100
300 4-inch Meteors..... 8.00 per 100
500 2½-inch Brides..... 3.50 per 100
250 2½-inch Baldwins..... 5.00 per 100
Boston Ferns, 2½-in., \$6; 3-in., \$10; 4-in., \$15 per 100;
6-inch 50c and 75c each; 7-inch \$1.00 each.

CASH OR O. O. D.

W. J. & M. S. VESEY, Ft. Wayne, Ind.

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Cyclamen—Nothing but the best giganteum persicum, large flowered, 3-inch, ready for 4-inch, \$5.00 per 100; 4-in., \$10.00 per 100.
Asparagus Sprengeri—From flats, ready for potting up, \$1.00 per 100; \$6.00 per 1000. 5000 for \$25.00. 2½-inch, \$1.50 per 100; \$12.50 per 1000.
Primroses, Chinese, \$2.00 per 100; 300 for \$5.00.
Mammoth Begonias, in flower, 4-in., \$8. 100.
Primula Forbesi—Baby primroses, 2½-in., \$1.50 per 100; 400 for \$5.00.

SAMUEL WHITTON, 15-17 Gray Ave., UTOCA, N. Y.

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LEADING NOVELTIES OF 1903.
The Best Varieties of 1902.
All the Standard Varieties.

Send in your orders for Field Plants now.

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has paid over \$54,000 for glass broken by hail during the past 15 years. For particulars address JOHN G. ESLEY, Sec'y, SADDLE RIVER, N. J.

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DID YOU
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At Milwaukee?—they took the cake.
All sizes and also every size of

PIERSONI. Write—

GEO. A. KUHL,
PEKIN, ILL.

ROSES and FERNS,

**BOSTON, PIERSONI, PLUMOSUS
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2½, 3, 4, 5, 6, 7, 8 and 10-inch.

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Sprengeri Plants.

For 3-in. pots.....\$2.50 per 100; \$20.00 per 1000
Seedlings......75 5.00

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100,000 Bulbs for fall delivery. Can furnish small or mailing size; also extra No. 1 size. Write for prices. Place orders now.

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Strong, 2-inch.....\$1.25 per 100
Asparagus Sprengeri, 2-inch, \$2.00 per 100
Beauties, 3-inch..... 5.00 "
Brides and Maids, 3 inch... 4.00 "

FIELD-GROWN CARNATION PLANTS

In fine shape, strong and bushy.

300 Mrs. Potter Palmer.....\$4.00 per 100
1500 White Cloud..... 3.50 "
300 G. H. Crane, 500 Oriole..... 4.00 "
1500 Mrs. Frances Joost..... 3.50 "
1500 Norway, 700 America..... 4.00 "
2000 Genevieve Lord..... 3.50 "
800 Peru, 500 Flora Hill..... 4.00 "
Terms:—Cash with order.

JOHN BROD, - - Niles Center, Ill.

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Don't Miss This

If you wish to secure stock of the following superb bedders: S. A. Nutt (crimson), Alph. Ricard (scarlet), E. G. Hill, Beaute Poitevine (salmons), Jean Viaud (pink), Mrs. E. Buchner (white). Strong plants from 2½-inch pots at rooted cuttings' prices — \$1.50 per 100; \$15.00 per 1000. Smilax, strong 2½-inch plants, \$1.25 per 100; \$10.00 per 1000.

NOTICE—This stock is guaranteed strictly first-class in every respect and WORTH TWICE THE MONEY.

THE W. T. BUCKLEY PLANT CO.
SPRINGFIELD, ILL.

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Asparagus Sprengeri Seedlings, strong plants from flats, \$1.00 per 100. Prepaid.

E. I. RAWLINGS, Quakertown, Pa.

Mention the Review when you write.

E. F. WINTERSON CO.

Successor to McKELLAR & WINTERSON.

SUPPLIES EVERYTHING used by FLORISTS, NURSERYMEN, GARDENERS, SEEDSMEN, CEMETERIES, PARKS, etc.

Headquarters on CUT FLOWERS.

WRITE FOR WEEKLY PRICE LIST.

45-47-49 Wabash Avenue.

TELEPHONE
MAIN 1129.

CHICAGO.

Our new Catalogue will be ready for mailing about September 15th.

ST. PAUL.

August business has been better than July, and as September is now at hand we do not look for a "dull season" this year. Flowers are improving in quality and increasing in quantity, but there are no surpluses, not even in sweet peas.

Unfortunately I could not attend the convention but those who went from here are loud in their praises of the hospitality shown by the brethren in Milwaukee and Chicago. The following attended from St. Paul: Chris. Hansen, son and daughter, Chris. Bussjaeger, Mr. and Mrs. E. F. Lemke, Mr. and Mrs. A. S. Swanson, Aug. Vogt and Peter Holm. Mr. and Mrs. Lemke remained over to attend the Sons of Hermann meeting.

The growers are quite generally through planting. N. C. Hansen has broken ground for a new house for carnations. He had a fine lot of sweet peas but many of them have not bloomed, owing to the cool, wet summer. Holm & Olson have commenced the erection of a plant house.

Chris. Hansen has a fine lot of carnations benched. Guardian Angel is the leading variety and considered the most profitable sort grown here. A bench of 1,000 Enchantress is in fine shape, being very strong and stocky. A small batch of Piersoni ferns shows the possibilities of that grand variety. In roses he has planted Liberty very largely, as that variety has always done well at this place.

The Warrendale greenhouses are in first-class condition, and well filled with first-class stock. Daybreak carnation is cultivated here quite extensively and is still considered one of the best and most profitable. All of the roses at this place are grown on their own roots and are certainly in very fine condition. A bench of Wootton brought back pleasant memories of that one-time popular variety.

F. R. Pierson, of Tarrytown, N. Y., was a recent caller.

Cool, damp nights have necessitated firing to prevent mildew, which has appeared in many places. The best soft coal is now worth \$5 per ton, with prospects of a rise in the near future.

X. Y. Z.

DAYTON, O.—The Dayton Floral Company is adding to its Lehman street establishment.

AMES, IA.—William E. Curtis gave the Agricultural College here a two-column write-up in the Chicago Record-Herald of August 13. He said that the graduates of the horticultural department are in great demand as managers of fruit farms, nurseries and greenhouses.



Finley's Lightning Pot Washer

Attracted more attention
than any exhibit at the
Milwaukee Convention.

Was carefully examined by hundreds and it was admitted that every up-to-date florist must use one, and that it was cheap.

After a close inspection the following well known growers ordered machines:

U. J. Virgin, New Orleans, La.
Joseph Heacock, Jenkintown, Pa.
J. F. Ammann, Edwardsville, Ill.
Jas. Taylor, Mt. Clemens, Mich.
Chicago Carnation Co., Joliet, Ill.
Geo. A. Kuhl, Pekin, Ill.
J. A. Peterson, Cincinnati, Ohio.
J. M. Gasser Co., Cleveland, Ohio.
A. M. York, Hancock, Mich.
Wietor Bros., Chicago, Ill.

\$15.00 net, F. O. B.

C. E. Finley, Joliet, Ill.

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PRIMROSES

ASPARAGUS.

Chinese, 2-in. pots \$2.00 per 100
Obconica, alba and roses 2.00
Forbesi, "Baby" 2.00
Pansy Seed, Ne plus ultra, August. 4.00 per oz.
Cinerarias, 2-inch pots 2.00 per 100

Sprengerl \$2.00 per 100
Plumoseus Nanus 2.50
Narcissus, paper white grandifl.,
Sept. 1 1.00
Pansy Plants, ready Sept. 20th... .50
\$3.00 per 1000.

CASH, PLEASE.

JOS. H. CUNNINGHAM, - - Delaware, Ohio.

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Best selected quality, per bale of 5 barrels.
\$2.25. Try a bale, it will please you.

U. CUTLER BYERSON,

108 Third Ave., -- NEWARK, N. J.

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How to pipe Gibbons plans tell.

P. O. BOX 515, MIAMI, FLA.



HITCHINGS & CO.

233 MERCER STREET, NEW YORK.
GREENHOUSE BUILDING.

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HOT WATER BOILERS, PIPES AND FITTINGS.
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RECORDING THERMOMETER.
JUST THE THING FOR YOUR
..GREENHOUSE..**



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EVERY GROWER SHOULD HAVE ONE. Saves Time and Money. Distributes equally well Lime. Slug Shot, Tobacco Dust, Paris Green or any powder. Circular with testimonials on request.

If your seedsman does not handle it, order direct. Price \$4.00 F. O. B. Chicago.

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WATERPROOF. Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No. 0....3x4	x20..\$2.00 per 100;	\$18.00 per 1000
" No. 1....3x4 1/2x18..	1.75 "	15.00 "
" No. 2....3x6x18....	2.00 "	18.00 "
" No. 3....4x8x18....	2.40 "	22.00 "
" No. 4....3x5x24....	2.75 "	25.00 "
" No. 5....4x8x22....	3.00 "	27.00 "
" No. 6....4x8x28....	3.75 "	35.00 "
" No. 7....6x16x20....	5.50 "	55.00 "
" No. 8....3x7x21....	3.00 "	29.00 "
" No. 9....5x10x35....	6.50 "	60.00 "

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

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RED POTS
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Best Pot in the
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"THE MODEL"
GLAZING POINT.**

Pat. Nov. 25, 1902. No Rights or Lefts.

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By Mail, package of 1050 points, 45c.

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**THE PARKER-BRUEN MFG. CO.,
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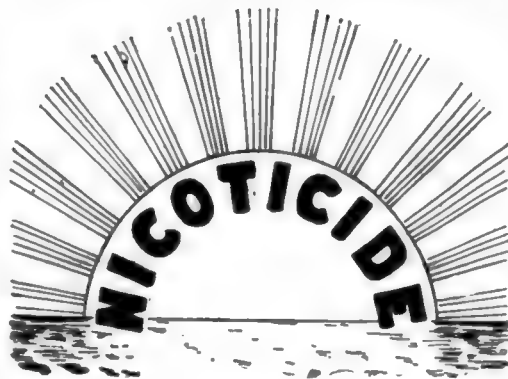
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Galvanized Stakes.

No. 9 STRAIGHT WIRE.

3 feet....\$6.75 per 1000	4 feet....\$8.50 per 1000
3 1/2 feet... 8.00 "	5 feet....12.00 "

No less than 1000 lots sold. Write for prices
for 10,000 to 50,000 lots.

W. W. COLES, KOKOMO, IND.

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"Thripscide"

(REGISTERED)

Greenhouse Fumigating Powder

Is the newest and best article on the market to-day for the complete destruction of all insects that infest Greenhouses or Conservatories, being a special boon to Rose and Beauty growers and prepared particularly for the destruction of **Greenfly** and **Thrips**. There is nothing injurious in it to plant life, even the most delicate fern. It is especially recommended for Beauties, Roses, Carnations, Chrysanthemums, Lilies, Smilax, Asparagus, Palms, Ferns, etc., and we claim that insects will be entirely eradicated when the houses are thoroughly fumigated with the powder. It is put up as follows:

1 lb. Tin Can.....	\$.25
5 lb. Tin Can.....	1.00
25 lb. Sealed Box.....	4.50
100 lb. Sealed Box.....	16.50

Send for copy of testimonials. For reference we refer to Messrs. Bassett & Washburn, Hinsdale, Ill. Prepared by the Lilly-Lilly Chemical Co. and sold by

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J. L. ELLIOTT,

Pure Pulverized Sheep Manure

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Send for sample and price list.

Office: 120 E. 3rd St.,
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PITTSBURG.

The Market.

We are up against a hot spell, and "nothing doing" as far as florists are concerned. A walk around the stores makes one want to get out of town. Between the convention and other summer trips, everyone we know is away.

It is not necessary to mention the condition of the market; it is simply out of condition. There is lots of everything, but nothing to do with it. Our people seem to think this one of the worst seasons in years. People have too much money and go away to spend it. Allow me to mention a few who are in that class: Lincoln I. Neff and family, at Atlantic City; A. W. Smith, Jr., and wife, Chautauqua; T. P. Langhans and family; Walter Breitenstein is away canoeing; John Baldinger, of T. M. Ulam & Co., was seen at Wylie Heights.

E. C. Ludwig and family; Gustav Ludwig and wife; Julius Ludwig and wife; A. R. Reineman; Christ Reiger and wife; Henry and George Blind; William Loew, at the convention; Ed. McCallum, of the Cut Flower Co., Du Bois, Pa.; Will Fitzsimmons and Wood, of Randolph & McClements, are taking in Atlantic City and other eastern points.

Notes.

Last Wednesday we had a very heavy storm with large hail in some sections, but have heard of no losses, as it seemed to travel around the greenhouse sections and not over them.

Most all growers in this vicinity report all stock benched for this year.

Hoo-Hoo.

THE REVIEW is the best florists' paper for me.—C. H. HAYDEN, Dexter, Me.

For gracious sake stop the chrysanthemum advertisement. I am having to return money for plants ordered every day. The first insertion cleaned out the entire lot, and we had a pretty good bunch of them.—B. P. CRITCHELL, Cincinnati, O.

SULPHO-TOBACCO SOAP

COMBINES THE STRONGEST

TOBACCO EXTRACT

with Sulphur and Alkali. Never fails to

KILL BUGS AND INSECTS

GREENHOUSE STOCK

kept healthy by using this popular Insecticide. Satisfaction guaranteed. Prices low. Write for sample cake.

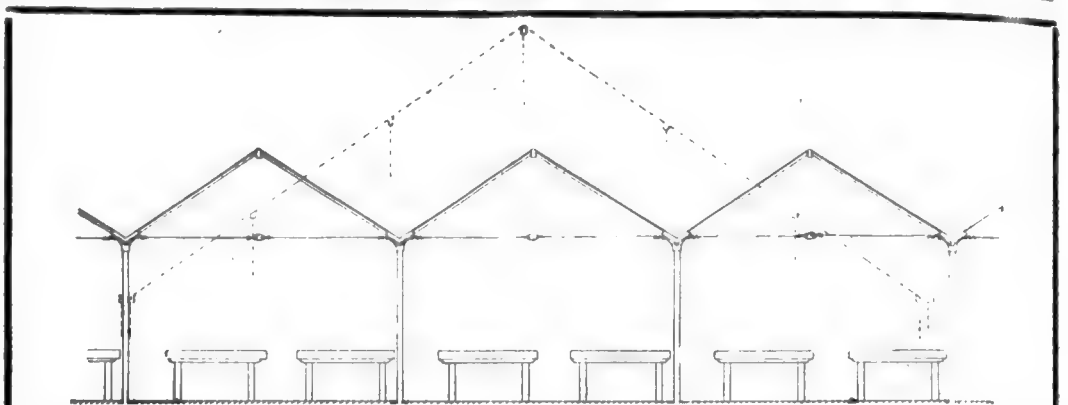
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MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F.O. PIERCE CO.
170 Fulton St.,
NEW YORK



Mention the Review when you write.



View of a piece of ground 40 ft. respectively 41 ft 6 in. in width, covered by one roof (old style), and also by three sections of our Patent "Short-Roof" Construction. Compare headroom over benches and number of supports.

SHORT-ROOF GREENHOUSES. (PATENTED.)

Simplicity and Safety of Construction. No Spreading of Walls. Most Effective and Reliable Ventilation. Perfect Guttering. NOTE—The V Gutter, as well as the other parts of the houses, peculiar to this construction, are fully covered by Letters Patent.

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MANUFACTURERS OF

WASHINGTON RED CEDAR and LOUISIANA CYPRESS GREENHOUSE MATERIAL, HOTBED SASH and GREENHOUSE HARDWARE.

615-621 Sheffield Avenue, - - CHICAGO, ILL.

USED IN THE GREENHOUSE EFFECTIVELY
FOR VARIOUS PLANT DISEASES AND BLACK FLY.

Put up in
5, 10 and
25 lb. Bags,
in Kegs and
Barrels.



Sold by
the leading
Seedsman
in
America.

Hammond's Paint & Slug Shot Works, Fishkill Landing, New York.

KRAMER'S POT HANGERS.



Neatest, simplest, most convenient and only practical device for converting ordinary flower pots into hanging baskets. They fit all standard made pots from 2 to 10 inches in diameter. The illustration shows how they are attached. Just the thing for hanging up Ferns, Begonias, etc. You can make room and money by their use. Try them.

Price with wire chain, as shown in cut, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

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CEDAR RAPIDS, IA.

For sale by the E. F. WINTERSON CO., CHICAGO; C. C. POLLWORTH CO., MILWAUKEE, WIS.; VAUGHAN'S SEED STORE, NEW YORK and CHICAGO.

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Model
EXTENSION
CARNATION SUPPORT.
ALSO GALVANIZED
STEEL ROSE STAKES.

Endorsed by all the leading carnation growers as the best support on the market. Made with two or three coils. Prompt shipment guaranteed. Pat. July 27, 1897; May 17, 1898. Write for prices and circulars.

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CONCENTRIC PRINCIPLE OF CUTTING SASH BARS.

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SIEBERT'S ZINC NEVER RUST GLAZING POINTS

are positively the best.
Last forever. Over 9000
lbs. now in use.

A sure preventive of glass
slipping. Effective on
large or small glass.
Easy to drive, easy to
extract.

Two sizes, $\frac{3}{8}$ and $\frac{1}{2}$. 40c
a lb.; by mail, 16c extra;
7 lbs. for \$2.50; 15 lbs.



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Vaughan's Seed Store, Chicago & New York
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Chas. T. Siebert:—Please book my order for
100 lbs. of Zinc Never Rust Glazing Points. I
have used five different kinds in the past 12
years, and none of them gave me satisfaction
like yours. They will stay in, are easy to drive,
no rights or lefts, will hold the glass in place,
and do not rust away like all others I have
used. Your Zinc Points are easy to take out
when making repairs. I have used about 100
lbs. of your Zinc Points in the last two years,
and am perfectly satisfied with them.

Yours truly, F. BURKI,

Chas. T. Siebert:—In our 25 years' experi-
ence with glazing points of all kinds, I can say
your zinc points are the best to date.

CHAS. H. WILSON,
Mgr. for Grant-Wilson Floral Co.

Chas. T. Siebert:—I must say the Zinc
Points have given great satisfaction. I have
over 100 lbs. on my houses, and feel justified
in stating that they are the best point on the
market.

Yours respectfully,
W. K. PARTRIDGE, Florist.

Chas. T. Siebert:—I take pleasure in express-
ing satisfaction in using your Zinc Glazing
Points. They have outlasted all others used,
therefore are better and cheaper. Their merit
should result in extended sales. Sincerely yours,
THEO. F. BECKERT, Florist.

Charles T. Siebert:—I can truthfully say your
Zinc Points are the best I ever used. They are
easily driven and withdrawn and are stiff. Being
straight on one side they can be driven accurately;
consequently the breakage of glass is very
small. I have some in use four years and they
are still in their place as good as new.

W. S. ROEBECK.

Chas. T. Siebert:—You no doubt know by the
229 lbs. of Zinc Points we have ordered from
you that we consider them the best on the mar-
ket. We have four new houses under way, each
255 feet in length, and will soon have to place
an order with you for quite a lot of more
glazing points. We are, very truly,
THE GOOD & REESE CO.,
The Largest Rose Growers in the World.



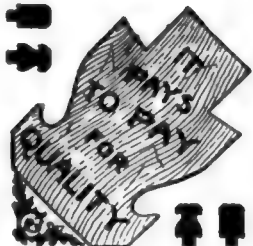
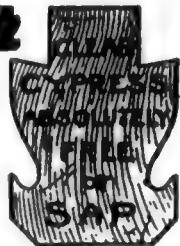
IT IS just as essential in building to get
good material, as it is to plant a house
with good stock.

You cannot get a good cut of flowers from
poor plants, neither can you build a
substantial house from poor material.

We have made greenhouse construction a special
study.

You are welcome to the benefit of our wide experi-
ence.

Get our estimate. We can serve you better than
your local mill.



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GREENHOUSE MATERIAL

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GARLAND'S

Iron Gutters and Posts. Pipe Fit-
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Catalogue.

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For GREENHOUSES.

STEAM AND HOT WATER.

GIBLIN & CO., Utica, N. Y.

**BEST
AND
Cheapest**
ALL-ROUND
INSECTICIDE
on the Market.

**ROSE LEAF
EXTRACT
OF
TOBACCO
INSECTICIDE**

For sale by
Seedsmen.
For Free
Pamphlet
Write to
The Kentucky
Tobacco
Product Co.,
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Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.50; 50,000....\$6.25. Sample free.

For sale by dealers.

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G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

530-535 Caxton Building.

334 Dearborn Street, Chicago.

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INDEX TO ADVERTISERS.

This index covers only those having displayed advertisements. There is a host of others making offers in our classified ads, and they will be found there under their proper headings.

Allen, J. K.	500	Ghormley, W.	560
Ameling, E. C.	555	Giblin & Co.	581
Aschmann, Godfrey.	559	Gibbons, E. W.	578
Baker & Son, C. F.	576	Graham, H.	565
Baker, W. J.	569	Gude & Bro. A.	564
Ball, C. D.	575	Gullett & Sons.	563
Barnard & Co.	587	Guttman, A. J.	561
Bassett & Washburn.	588-63	Hammond, Benj.	580
Bayersdorfer & Co.	540-65	Hammond, J. A.	560
Beach, D. S.	575	Hancock, Geo. & Son.	577
Beckert, W. O.	557	Hauswirth, P. J.	564
Bencke, J. J.	564	Hawkinson, Chas.	566
Bentley & Co.	563	Heacock, Jos.	557
Bentzen, Floral Co.	573	Helios-Upton.	579
Berckmans Co.	574	Herr, A. M.	560
Berger, H. H. & Co.	540	Herrmann, A.	540
Bernheimer, E.	559	Hicks & Crawbuck.	561
Berning, H. G.	563	Hill Co., E. G.	559
Bonnot Bros.	560	Hippard, E.	582
Bourdy, Otto.	575	Hitchings & Co.	578-80-82
Bowe, M. A.	564	Holton & Hunkel Co.	559
Bradshaw & Hartman.	560	Howe, C. L.	574
Brague, L. B.	568	Hunt, E. H.	562-79
Brant & Noe.	556	Igoe Bros.	530
Breitmeyer's Sons.	564-75	Jacobs & Son.	581
Brod, J.	577	Jennings, E. B.	575
Bruns, H. N.	562	Johnson & Stokes.	559
Buckley Plant Co.	577	Jurgens, Aug.	562
Budlong, J. A.	563	Kasting, W. F.	537
Burpee, W. Atlee & Co.	567	Kellogg, Geo. M.	559
Caldwell Co., W. E.	563	Kennicott Bros. Co.	537
Caldwell The Woodsman Co.	559	Kentucky Tobacco Product Co.	581
California Carnation Co.	575	Kimberly, F. H.	573
California Nursery.	573	Kramer & Son.	580
Campbell, C. H.	579	Kreshover, L. J.	560
Century Flower Shop.	564	Kroeschell Bros. Co.	583
Chicago Carnation Co.	537	Kuehn, C. A.	563
Clarke Bros.	564	Kuhl, Geo. A.	577
Clarke's Sons, David.	564	Kuntz, E.	572
Classified Ads.	566	Lager & Hurrell.	573
Coles, W. W.	579	Lange, A.	564
Cottage Gardens.	559	Larkin Soap Co.	580
Cowee, W. J.	581	La Roche, M. F.	574
Crabb & Hunter.	557	Lecakes & Co., N.	561
Crowl Fern Co.	561	Limbach, C.	583
Crooke Co., J. J.	583	Livingston Seed Co.	579
Cunningham, J. H.	578	Loomis Floral Co.	573
Davis Bros.	576	Lord & Burnham.	583-84
Dearborn Engraving Co.	540	Ludemann, F.	573
Dickinson Co., Albert.	557	McConnell, Alex.	564
Dietsch, A. & Co.	580	McCullough's Sons.	563
Diller, Caskey & Co.	582	McManus, Jas.	560
Dillon, J. L.	573-83	McMorran & Co.	579
Dillon Greenhouse Mfg. Co.	583	Meehan, C. E.	572
Dixon Crucible Co.	579	Michigan Cut Flower Exchange.	563
Dorner, F. & Sons Co.	575	Millang, C.	560
Dreer, H. A.	575-83	Moninger Co., J. O.	581
Dunn & Co., C. A.	559	Moon Co., W. H.	556
Dunne & Co.	540	Moore, Hentz & Nash.	560
Dwyer & Son, T. J.	566	Moss, Isaac H.	572
Eickholt, Mrs. Chas.	564	Muno, John.	562
Elliot, J. L.	579	Murphy, Wm.	563
Ellis, F. M.	563	National Florists' Board of Trade.	561
Everett, A. B.	576	Naumann, G. M.	572
Fehr, A. G.	574	N. Y. Cut Flower Co.	560
Finley, C. E.	578	Niessen, Leo.	538
Florists' Hall Asso.	577	Park Floral Co.	564
Foley, J. J.	560	Parker-Bruen Co.	640-79
Foley Mfg. Co.	581	Peacock, W. P.	559
Foster, L. H.	575	Pennock, S. S.	558-59
Garland, Geo. M.	581	Perkins, J. J.	561
Garland, Frank.	562	Peterson's Nursery.	556
Gasser Co., J. M.	564	Philadelphia Wholesale Flower Market.	561
Geller, Sigmund.	540	Pierce Co., F. O.	580

Poehlmann Bros.	563-73	Skidelsky, S. S.	574-76
Pollworth Co.	577	Smith & Son, N.	576
Quaker City Machine Works.	581	Smith Co., W. & T.	586
Randall, A. L.	562	Sprague Smith Co.	583
Rawlings, E. I.	577	Stern & Co., J.	540
Rawson & Co.	557	Stewart, E. E.	577
Raynor, J. I.	561	Stewart, S. B.	564
Rebstock, J. H.	573	Stoothoff, H. A.	573
Reed & Keller.	540	Swanson, Aug. S.	564
Regan Ptg. House.	540	Syracuse Pottery.	579
Reid, Edw.	559	Thorburn, J. M. & Co.	557
Reinberg, Geo.	562-76	Tobacco Warehouseing & Trading Co.	579
Reinberg, P.	562-63-73	Traendly & Schenck.	561
Rice Bros.	560	Vesey, W. J. & M. S.	577
Rice, M. & Co.	565	Vincent, Jr. R. & Son.	559
Riedel & Spicer.	560	Virgin, U. J.	564
Robinson & Co.	540	Wagner Park Conservatories.	572
Rock, W. L.	564	Weber, F. O.	564
Roehrs, Julius.	537	Weber & Sons.	572
Rupp, J. F.	573	Welland, M.	564
Ryerson, U. C.	578	Welland & Risch.	562
Salter, W. H.	563	Whitton, C.	563
Sampson, Wm.	561	Whitton, S.	577
Sands, W. B.	572	Wiegand & Sons.	564
Schloss Bros.	559	Wietor Bros.	562
Schmitz, F. W. O.	540	Wilke Mfg. Co.	582
Schweiger, C.	572	Williams Co., F. R.	559
Scollay, J. A.	583	Winterson Co., E. F.	578
Scott, John.	574	Witbold Co.	564
Scott, W.	564	Yates & Co., T. N.	576
Sheridan, W. F.	580	Young, John.	560
Shibley.	564	Young, J. W.	563
Siebert, C. T.	581	Young & Nugent.	560
Siebrecht & Son.	564	Zirngiebel, D.	563
Sievers & Boland.	564	Zvolanek, A. C.	573
Sinner Bros.	562		



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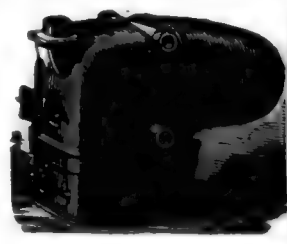
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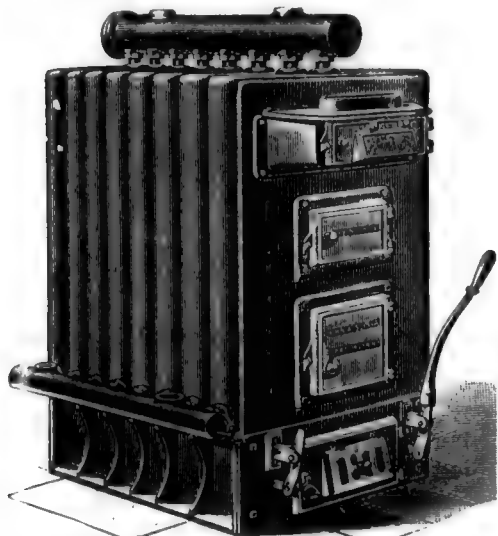
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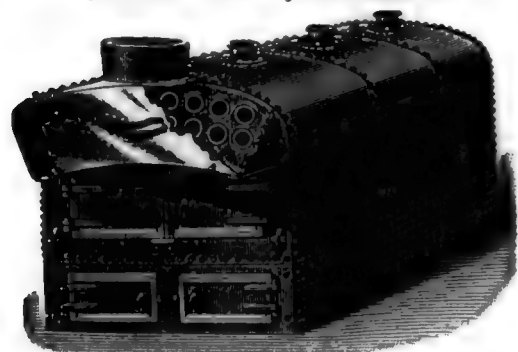
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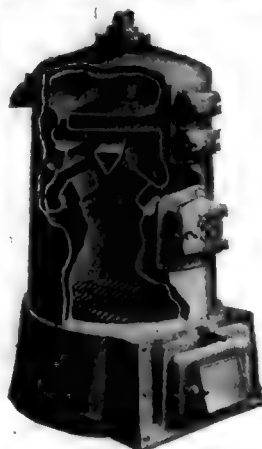
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Vol. XII.

CHICAGO AND NEW YORK, SEPTEMBER 3, 1903.

No. 301.

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MISCELLANEOUS SEASONABLE HINTS.



Fall Propagating.

An old reminder of this date is that in early September is a good time to put in all the cuttings of zonale geraniums that you can get. If you have an abundance of stock to take cuttings from, then you can defer operations until the end of the month, and the cuttings will root rather more surely, but if short of stock, these cuttings taken off now will allow the old plants to break and give you another lot of cuttings before frost kills them. Don't put the cuttings in the propagating bed in sand; it is waste of labor. Pot them firmly in 2 or 2½-inch pots and give them a light bench. This has been with us such a wet summer that the zonale geraniums have made a soft growth and there is growth without much flower; so look out that you don't overwater or they will rot. A good watering when first potted will do for several days. In fact, keep them rather on the dry side until they make roots. The scented-leaved, variegated and bronze section, and, of course, the ivy-leaved, we prefer to put in sand. No hurry about this, except that you can't do everything in one week, and toward the end of September we occasionally get a killing frost.

This is a month of important work to the man who caters to the bedding plant business, and several things must be propagated, perhaps not important plants, but to be without them would be annoying next May. The trailing vincas should be put in the sand this month. They don't root quickly, but you need not lose one. The long growth now spreading on the ground gives you any amount of cuttings without using the very tender tips of the growth or the hard, woody end near the base of the plant. The vinca is perhaps our most reliable "vine" or drooping plant for vases and veranda boxes. Another plant used as a drooper is *Abutilon vexillarium*. Take neither the very young growth nor the hard part of the stem, and with plenty of water and shading on bright days they root surely, if not quickly.

The Cutting Bench Fungus.

Sometimes during September we get a spell of weather as hot as any week of the year and the "fungus of the cutting bed" makes its appearance. If conditions are right for the life and growth of this minute fungus it will appear and reappear, no matter how often you renew the sand. It is most easy to realize that if a cutting bed has once been infested with it that clearing out the sand and painting the side boards or tile with kerosene, lime or sulphur will not kill all the germs in the house, and after such precautions with new washed lake sand I have seen it appear again in a week. There were plenty of the spores roosting around, ready to begin operations directly conditions were favorable, and it is where conditions are right for the life of the fungus and wrong for the

health of the cuttings that we are vexed and losers by its ravages.

I don't know that there are any more correct conditions for a propagating bed than those described by Peter Henderson in his "Practical Floriculture," published thirty-six years ago. That chapter dispelled a lot of fog and myths and bell glasses. Let me just say here that large growers, either of roses, carnations or mixed plants, can and do have a propagating house especially adapted for the purpose, and there is no excuse then for failure, but with the thousands who grow a little of many things for the local trade the propagating bed is in most cases a bench in a house where other things are grown, and for those I am writing. So the temperature of the house should not be over 50 degrees at night. Whether a large or a

the path side, so that on a cold night when hard firing is necessary, the hinged board can be opened, letting the heat into the house and preventing the sand from getting too warm. To go into the question of what is the best relative heat of atmosphere and sand would be a long chapter, but I can safely say that if the temperature of the house at night is 50 degrees and the sand 60 to 65 degrees, it will suit admirably a whole lot of our soft-wooded plants.

Governor Roosevelt will tell you that he does not believe in any bottom heat for carnations, while Governor Wolcott will tell you that he prefers to keep his propagating bench for carnations 10 degrees warmer than the temperature of the house. A coleus will certainly be longer rooting in the sand at 60 and top at 50 degrees than at 80 and 70 degrees, respectively, but what I quoted above, 60 degrees for sand and 50 degrees for atmosphere, will root almost anything. A low temperature, with pure air by ventilation, is what the fungus won't thrive in, so choose a house for propagating where you are sure you won't be putting lilies, Ramblers or azaleas in to force out for winter.

Formula for Copper Solution.

Several times last winter I was asked



Jno. Breitmeyer's Sons' New Pink Seedling Rose.

small house, there should be plenty of ventilation at the ridge in case you need it. The bottom of the bed should be tiles. Slates give a greater heat to the sand, but that is no advantage. Beneath the bed should be either one or two steam pipes or three or four hot water pipes, and if these pipes are controlled by valves, it is a great advantage. The bed should be boarded in at back and front, so that the heat is confined beneath the bed, with a hinged board on

by correspondents to give the formula of a copper solution which is death or prevention to the cutting bed fungus, and as I don't answer any more personal correspondence, I will give it once more. I will only say that I am not sure that this is just as I got it from some learned professor, but in practice it works O. K. The trouble is that after we know these things we lack the energy to practice them—the best among you, present company not excepted. Two quarts liquid

ammonia, one pound sulphate of copper. Dissolve the copper in the ammonia in an earthen jar or iron pot. It will eat through tin or galvanized iron. When dissolved put away in a jar and cork up. Half a pint of this in twenty-five or thirty gallons of water will kill the fungus, and if no fungus is seen it is well to water the sand before every batch of cuttings is put in. "He that puts in a fresh lot of sand for every batch of cuttings hath money to burn, and the end of him shall be without sand."—Revelations XIX., 23.

Seasonable Work in Plant Houses.

This is about as late as it is advisable to put in the last batch of poinsettias. They root easily now, still quicker if you had a little bottom heat. As I have remarked before, the single plant two or three feet high is no longer in favor. It is the pans or azalea pots with five or six plants that our patrons want. You can't take the plants from the cutting bed and put them in the pans, because they will be most unlikely to grow at all evenly. Choose them after they have got started in 2½-inch pots. They will show then about what their growth is going to be.

It will soon be time to sow cyclamen seed, at any rate to procure the seed. I am not at liberty to advertise any particular strain, but there is such a difference! And to buy cheap seed of cyclamen is such a terrible mistake, as it is with all florists' flowers. If the last shift is not given to your cyclamen, it should be. A few extra sized plants may be desirable in 7 or 8-inch pots, but a 6-inch pot plant is what sells best. A light bench planted in tobacco stems is

the soil, but it needs frequent spraying and shading for the first week.

If you planted on a bench in the spring a lot of Boston ferns, or still better, Piersoni or Anna Foster, and they have grown to be fine plants, you should lift them now. Soon the demand will begin, and it is not fair to lift a plant from the bench today and sell it tomorrow. They need not stop growing on account of lifting. Lift and pot and replant the bed with young stock, unless you want it for some more important stock, but I think it will be a long day before this beautiful and useful class of ferns is overdone.

That was a very practical paper on violet culture, read by Mr. Crabb, at Milwaukee, but he did not touch on the greatest pest we know of in their culture, the little black or brown aphid. It is a miserable, greasy little devil, unlike either the common greenfly or the blackfly of the chrysanthemums. Perhaps there are as many species of aphid in the world as there are religions, anyway, this violet enemy is hard to kill. Fine tobacco dust sprinkled into the crown of the plant is the best preventive we have found. Put it on after you have watered and the leaves have become dry, as it can remain there until you water again. This is the time that the fly is getting in his best licks, if there at all. For other points read Mr. Crabb's paper carefully.

A year ago at this time and many weeks later many of us were on the anxious seat, hoping that every day would be the end of the coal strike. In the aggregate the loss and injury to stock and the extortionate price of coal or other

CHRYSANTHEMUMS.

Feeding the Plants.

With the advent of September and the taking of the buds comes the necessity of encouraging the plants by means of a liquid fertilizer, or in some other manner, to help finish off the crop in good shape. I am aware that some growers make the soil rich at planting time and, with the possible exception of a light mulch of rotten manure, the plants get nothing else. So treated the plants produce very medium-sized flowers as compared with plants that are encouraged with liquid fertilizer, because by the time the growth is completed the soil is exhausted. The chrysanthemum is a gross feeder when well rooted, and when the bud is swelling is the time that the drain on the plant is heaviest and the feeding most effective.

Liquid made from sheep or cow droppings is most generally used. I have found that about a bushel of sheep manure with a good shovelful of soot placed in a sack, and soaked in a barrel will make a satisfactory brew and if not allowed to stand too long before being used the first time can be used for two or three waterings. Cow manure does not soak so well through a sack and should be put right into the water. Soot, on the other hand, unless it is scattered over the surface of the bed, should always be enclosed in a sack or it will float on the water and not soak properly. The soot I am referring to is, of course, the imported article, called Scotch soot, which is obtained from burning soft coal. The native soot contains less ammonia and is not so beneficial, though I believe it is sometimes used. Soot has a wonderful effect on the foliage, making it dark and healthy, and has the advantage of being perfectly safe.

Nitrate of soda and sulphate of ammonia are two chemical fertilizers largely used in feeding chrysanthemums. A 4-inch potful in fifty gallons of water is a safe proportion to use of either of these, and their judicious use will greatly improve the quality of the flowers.

In feeding the plants some care must be exercised, as varieties differ radically in the quantity they need. A very strong, vigorous variety, like Eaton, or the new Mrs. Thurkell, will not stand such heavy feeding as a more delicate grower, because their stronger rooting system may pump up more nourishment than the bud can assimilate. You will occasionally notice, if you are feeding heavily, that on the more vigorous kinds a bud will here and there partially sever itself from the stem as though some one had cut the stem half way through with a knife. This is nature's method of checking the excessive flow of sap and is a strong hint to stop feeding that particular variety. Feeding to excess, however, is seldom practiced by the commercial grower, although once in a while a grower trying to get some exhibition flowers oversteps the mark.

New Varieties.

The new kinds mentioned so highly in these notes last year are all making splendid growth and many of them will undoubtedly become leaders. None of our American varieties approach them in vigor and ease of culture, Millicent Richardson, Mrs. Thurkell, Mrs. T. W. Pockett and C. J. Salter being especially



House of Breitmeyer's Sons' New Rose one month after Planting.

the place for them now. Little, if any, more shade will now be needed. An ideal cyclamen is one with compact, spreading leaves and the flowers well above the foliage. When you fire, a temperature of 50 to 55 degrees is about right. Bouvardias should be lifted early in the month and planted on a bench in five or six inches of rather light, rich soil. They are slow to get started in cool weather. If all the roots and fibers are saved in lifting, the bouvardia soon takes hold of

fuel must have amounted to many thousands of dollars. A few were wise virgins and had their lamps trimmed, but the majority did not. This year we have fuel. If not cheap, it is at least plentiful. Don't be late in lighting your fires. It is not heat you want so much as a healthy circulation of air, which only a little fire heat can give. We lighted a big steam boiler a week ago for roses, and deeply regret that we ever let it out all summer. WILLIAM SCOTT.

noticeable. Some of the newest of the new varieties from the same source, Australia, are making even a finer record for growth and appearance than the varieties just named, and some world beaters will be exhibited this fall, unless I am greatly mistaken. They will be taken up later in these notes, as their virtues and vices become more manifest. It does certainly seem just at present that "Westward the star of empire takes its way," in the case of the chrysanthemum. Starting in China and Japan it spread to Europe, then here, and today I believe no varieties can touch the ones raised by Mr. Pockett in Australia. Nellie Pockett, T. Carrington and others of his earlier seedlings are still holding prominent places with us at the exhibition tables, which augers well for the future of the present novelties.

Undoubtedly the Australians are much favored by their climate, which makes an outdoor system of culture possible, and every variety that I have seen imported from there is strong and healthy. Now, in this last batch, we are promised varieties that beat for size anything yet sent out, and reds that love the sun instead of having to be shaded from it. H. J. Jones was really the first satisfactory red we ever grew that could be fed to make a large flower and not burn with the sun. H. J. Jones, after this year, will be nowhere, if present growth on new red varieties is any index to their future greatness. BRIAN BORU.

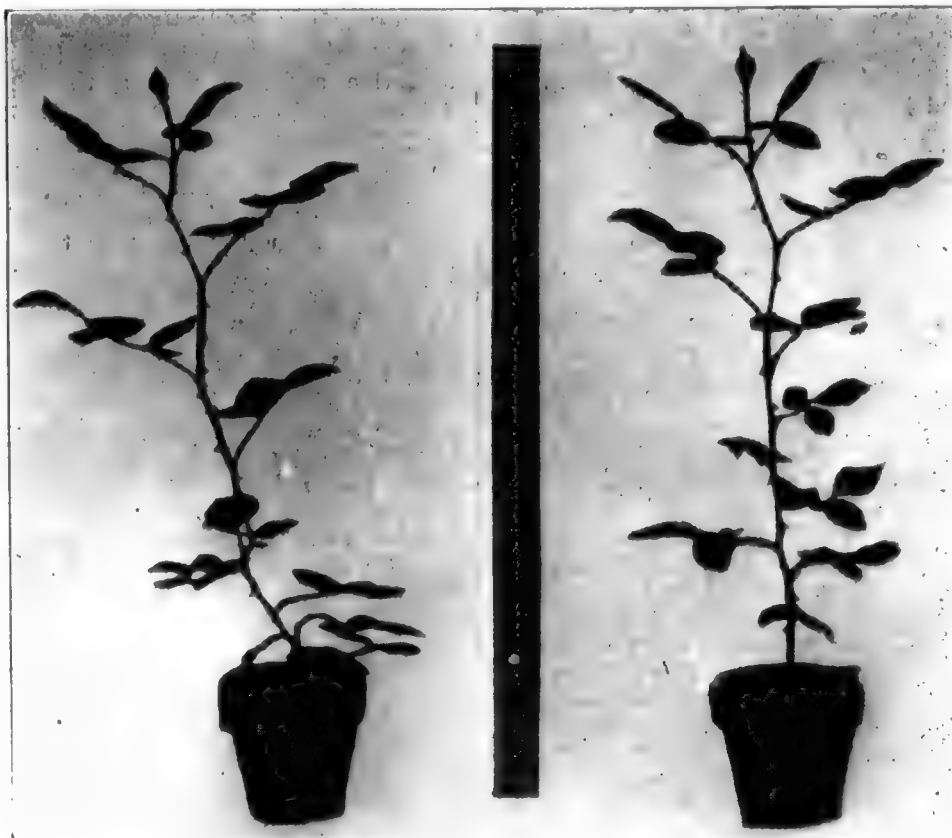
ROSES.

Seasonable Hints.

As the season of steady night firing approaches there is always a good deal of anxiety in store for the grower, for however well he may plan and manage during the day, he has to give the entire responsibility to the night fireman during a certain portion of the twenty-four hours, and to the manner in which this man performs his duties is due a good deal of the success or failure of the establishment.

In selecting a night fireman we must look for a man who thoroughly understands the art of firing, and who by study and practice has also mastered the art of keeping an even temperature by the intelligent manipulation of valves and ventilators. He must also be so much of a mechanic as to be able to do simple repairs. With these qualifications he must also combine a cheerful, obliging disposition, be trustworthy and able to exercise good common sense. But above all he must be strictly sober, else all the other qualities go for naught. Happy is the grower who has the services of such a man, as he can go to rest with the confidence that his orders will be strictly attended to. For the better guidance of the night man a thermometer should be placed convenient to each ventilating machine, and a card marked in plain figures, showing the temperature required, should be hung where it can be easily read.

The thermometers should be placed in neat wooden boxes and the boxes so placed that the sun cannot shine on the instrument at any time of the day. For the convenience of the men in charge during the day a card should be used showing the temperature desired during cloudy weather and giving the minimum and maximum required during sunshine.



Ino. Breitmeyer's Sons' New Pink Seedling Rose.

(Cuttings made March 17, Photographed May 30, 1903.)

This, while giving confidence to the help, also relieves the grower from a good deal of uneasy watchfulness.

It should be remembered that a dollar or so more in the week given to secure the services of a real good man is not thrown away, as a careless, ignorant, or incompetent night man can quickly and easily destroy the labor of a season.

The usual work of tying, disbudding, keeping the houses clean and the surface of the soil in good order will occupy a good deal of time.

Now that the nights are longer and the days cooler a close watch will have to be kept on greenfly, as these will now begin to multiply rapidly. Fumigating once a week will keep them in check among teas and their hybrids, but in Beauty houses it is safer to fumigate lightly twice a week for some time to come. This is better than to have to resort to heavy smoking, which is at all times hurtful, both to foliage and buds.

Those who have been forced to carry over a house or so for summer cutting, should now, if not already done, rest them at once. At this late season a very light pruning will suffice. Remove all the thin light wood and cut off the tops of the stronger growths. During the first two weeks after pruning the house should be kept moist, with night temperature not exceeding 55 degrees if possible.

Growers alive to their best interests will now see to the safe storage of their mulching material and winter potting soil so that they may have it in hearty condition when needed, thus doing away with the necessity of having to use cold, wet material, which is neither pleasant nor profitable.

RIBES.

NEWPORT, R. I.—One of the most elaborate of the many pretentious floral decorations put up here this season was that of Wadley & Smythe for Oliver H. P. Belmont, August 28.

CARNATION NOTES—EAST.

Bench Culture.

If the surface soil is not broken up soon after the plants have become sufficiently established to begin the removal of shade, a green crust will form in which even weeds will not flourish. This is obviously a wrong condition and should be guarded against, else the air and sun being shut out from exerting their influence on the soil, it is liable to become sour.

If, perchance, press of work or other causes have prevented this operation being done at the proper time, apply a light coat of wood ashes between the rows just previous to breaking up.

Make a special point in cultivating, that the crack formed by the soil shrinking from the sides of the bench be disposed of by firm tamping. At the same time straighten up any plants which may be out of line, also pick off carefully any dead or diseased leaves, allowing neither these nor weeds to remain in the bench to decompose.

A careless man at this work will do a great amount of damage by wrenching the plants, too deep raking, knocking off young shoots and branches or plucking dead leaves as one would feathers from a hen, so choose men endowed with skill and patience and take a hand yourself.

The Use of Bone.

The main object in using bone is to furnish a supply of phosphoric acid, which is essential to the production of well developed blooms. It also contains nitrogen and ammonia, but the bench soil as brought in should be of such quality as will carry the plants through the trying period of establishment in new quarters without the addition of bone.

With early blooming sorts giving good quality of bloom and length of stem soon after housing, it is a saving of time and perhaps, commercially speaking, advisa-

ble to apply a small quantity previous to benching, working it in deeply, or, better still, sprinkled on a layer of soil near the bottom when filling the bench as related in my notes of June 11.

From a practical and economical standpoint it is best to have no needless fertilizers in the soil, and especially about the roots, during the time the efforts of the plant are directed solely towards adapting itself to new conditions and surroundings.

This is especially true when dealing with varieties impatient of disturbance at the root when lifting and consequent tardiness in getting restored to perfect root action, as the constant aim should be to maintain the proper balance between food supply and plant requirements at all times.

With this end in view and your knowledge of soil constituents when prepared, time of housing, size and health of plants and conditions generally, you will be able to decide when and what course to pursue. Our plan is to apply when the soil is a trifle on the dry side, at the rate of a 3-inch potful to a row of five or six plants, work in lightly and water at once. This first watering serves to start decomposition of the bone and, if it was so treated in preparation for the market as to render its fertilizing qualities quickly available, one or two subsequent waterings will carry them within reach of the roots.

Of course this application is not needed if your soil already contains a similar or larger quantity of bone however applied. This operation should not be confounded with top dressing, which may be in order some two months later, although it may serve an end of like nature.

There is a great difference in the value of the various brands of bone meal or flour on the market and while space forbids me going into the details of the process through which some of the best brands go, I venture the statement that most of the cheap brands have undergone such treatment as to render them practically odorless and I have yet to find an odorless fertilizer that possesses any lasting qualities or much value.

GEO. S. OSBORN.

MR. CARMODY'S HUMOR.

In my attempt to recall some of the features of the late convention I failed to mention Mr. Belzebub Carmody's most amusing address. I know that won't trouble my friend in the least, but there was one remark I take exception to.

First, let me say that in spite of several venerable anecdotes, no hearer enjoyed it more than the writer, and the large, attentive audience proves that amusement and merriment are what the majority are looking for. This is proper and natural; we do lots of hard thinking and working at home. We do not assemble as a society to discuss the transit of Venus, or woman suffrage, or the propagation of the gospel in foreign parts.

A feature like the address from Posey County was most welcome. Mr. Carmody is a natural wit, and it is when he is purely the original Carmody that he is greatly enjoyed. Natural wits are not always good story tellers, and good story tellers are by no means always wits. What I take issue with is Mr. Carmody's statement (of course, borrowed) that it takes a surgical operation to get a joke into an Englishman. If he had said a Scotchman he would not have been so far wrong. There is a dry humor about the Scotch, but their stories and jokes must always redound to the credit of the Scotchman, or it's no joke. However, there is a much more diversified range of character in the Scot than in the Englishman, so we won't enlarge on that, but merely say that we know several Scotchmen who kneely enjoy a joke or witticism and it takes no trepanning of their craniums to let it in.

They say the French are witty. Doubtless so, but unless we understand it in the original it cannot be appreciated. The translations of German wit that we have come across sound funny, but sadly lack spice. The Irishman, of all English speaking people, has undoubtedly the ready repartee and wit which is pure wit. And "Pat" cares little whether the laugh is on him or the other fellow, so long as he can give a ready, quick-witted reply. But best of all I like the wit we will call American—Mark Twain, Bret Harte, Eugene Field, Bill Nye and many others. Now, where did this American wit and humor evolve from. It certainly did not come from the Hollanders, who settled New York. No one accuses them of being witty. Irishmen, so numerous and prominent now, have been coming here only for the past sixty years. There were a few scattering ones before, but not enough to leave any mark on the national character. The Teutonic emigration began only about 1840, and the keen wit of New England was flourishing long before that, so where do we get the foundation of our wit? We all realize that there is a prolific and varied

field of character in this country at this day, from which to draw inspiration for story and joke. The infant mind of the negro, the lately emancipated Hebrew, "Paddy from Cork," "Donald from the Highlands," the English rustic or duce, even the several types of the native born afford a vehicle for caricature from other types. Yet beneath all that there is a native, shrewd, sharp wit, and it came from New England and it was carried to the shores of New England by old Englishmen from the land that produced Shakespeare, Ben Johnson, Charles Lamb, Sidney Smith, Thackeray, the immortal Dickens and thousands more of witty men. Read Jerome K. Jerome's little book, "Three Men in the Boat, not to mention the dog," and see, Mr. Carmody, if you will say again what you said at Milwaukee. Even if your original wit and jokes do deal largely with skepticism of the infernal regions, brimstone and sulphur, I love to listen to you.

W. S.

SUBSTITUTES FOR COAL.

Their Comparative Efficiency in Use.

BY W. R. BEATTIE, WASHINGTON, D. C.

The use of greenhouse structures for growing plants for profit is limited practically to the last half century, and the problem of warming the atmosphere within these structures was one of the first to receive attention. I might mention that greenhouse heating began by the employment of organic matter packed tightly together, the heat thus generated being liberated and maintained a moderate temperature within the enclosure. Following this we have the stove and flue methods, then the hot water system with its open cement troughs, the cast iron pipe system with open expansion tanks, and at present hot water under pressure for small establishments, and steam in its latest adaptations for large ranges of commercial houses and conservatories.

It is scarcely necessary that allusion should be made to the phenomenally rapid growth of the greenhouse industry in the United States, except as a reminder that here is an industry that represents an important percentage in the total of agricultural production. That which fifty years ago was a novelty, and a luxury with most persons indulging therein, and a means of financial gain to a very few, has now reached the point where it represents the investment of millions of dollars capital and the employment of an army of people.

In the case of a scarcity of fuel it is possible for the management of the mill or factory to suspend operations, draw fires and water from the boilers, and close down for an indefinite period without particular loss except in the delay in filling orders. Not so with the grower of greenhouse products, for with him the lack of fuel for a single hour in excessively cold weather may result in the loss of his entire stock. This fact places the florist in a much more critical position during a fuel famine than are his neighbors, the manufacturers.

It is an old saying that "history repeats itself," and the past has shown that differences occasionally arise between capital and labor and these invariably result in a shortage of some of their products. There is no doubt but that there is plenty of fuel in this country to last for generations, but nature has stored it many miles from where man has contrived to use it, and emergencies must be provided for. For general use in most localities, and under ordinary conditions, there is no fuel that will compare with coal, either in price or results.

In the time and space allotted I will endeavor to point out some of the methods whereby a temporary shortage of coal may be bridged over, together with descriptions of special appliances used in connection therewith.

Coal, the Standard.

As coal is the principal source of the production of artificial heat, and so long as it remains the principal source, we will naturally adopt it as the standard by which to measure all other fuels. In order then that we may determine the relative value of the various substitutes for coal, it will be necessary, first, that we understand



Members of St. Louis Florists' Club at Wm. Winters' Place, Kirkwood, Mo., July 9, 1903.

(Photo by Miss H. G. Berning.)



Omaha Florists' Club on an Outing, July 23, 1903.

something of the heating power of the various grades of coal, and the methods of determining this efficiency.

In all our calculations we use the B. T. U. (British Thermal Unit) as our unit for measuring the heat given off by the combustion of any fuel. This unit is the amount of heat required to raise one pound of water one degree, at and from 32 degrees Fahrenheit. Reference is also made to the number of pounds of water evaporated from and at 212 degrees per pound of fuel, and per pound of actual combustible. The value of any fuel is measured by the number of heat units that its combustion will generate. Carbon and hydrogen represent the combustible portion of a fuel, and its heating value depends upon the proportion in which these elements are present. All solid fuels contain some moisture and more or less incombustible matter, either sulphur or ash. The anthracite coals contain a moderate percentage of moisture, are low in hydrogen, high in carbon, and moderately high in ash; these produce very little flame. Ordinary wood, on the other hand, is high in moisture, comparatively high in hydrogen, and low in carbon and ash.

The following table shows the comparative heating value of the various classes of coals:

Kind of Coal.	Carbon conten.	Volatile matter.	B.T.U. per lb.	Water evap. per lb.
Anthracite	86.00	3.86	13,220	13.66 lbs.
Semi-Bitumin's	73.84	18.56	14,730	14.08 lbs.
Bituminous	55.00	35.00	13,000	13.50 lbs.
Lignite	38.78	40.19	9,670	10.00 lbs.

It will be observed that as we pass from anthracite to the softer grades of coal, as the carbon decreases the volatile matter increases, and the heating value decreases, except in certain of the semi-bituminous coals found in Pennsylvania, Maryland and West Virginia, which contain a higher number of heat units and are capable of evaporating more water per pound than are the anthracite coals. The highest of these is known as Broad Top, Pa., containing 14,820 heat units per pound of coal.

By reference to the above table of heating values of the various classes of coals, we can ascertain the comparative cost per thousand heat units at the prices of coal delivered. Assuming the price per ton for the various coals to be that given in the following table, we have:

Kind of Coal.	Price per ton of 2240 lbs.	Price per lb.	Cost per 1000 B.T.U.
Anthracite	\$6.50	.290 ct.	.021936 ct.
Semi-Bituminous	4.50	.200 ct.	.013578 ct.
Bituminous	3.50	.156 ct.	.012018 ct.

These figures, however, would not be comparable with actual results accomplished by burning coal under the ordinary boiler, for they are based upon the theoretical heating efficiency of the coal according to chemical analysis. The results obtained in burning coal as reported by the United States Naval Fuel Board were as an average for seventeen tests about eight pounds of water evaporated per pound of coal burned. Upon this basis the foregoing table should be corrected to read as follows:

Kind of Coal.	Price per ton.	Price per lb.	Cost of evap. 1 lb. water
Anthracite	\$6.50	.290 ct.	.036 ct.
Semi-Bituminous	4.50	.200 ct.	.025 ct.
Bituminous	3.50	.156 ct.	.0195 ct.

It should be stated, however, that the above included the raising the water from about 130 degrees F. and evaporating it under a pressure of about 280 pounds. This would require a greater expenditure of energy and would in a measure compensate

for the losses that are common when using coal under ordinary conditions.

Substitutes for Coal.

Among the solid fuels that might be named under this head are wood, peat, charcoal, coke, sawdust, spent tanbark, wheat or rye straw, bagasse or crushed cane, corn fodder, corn cobs, and cotton stems. Of the gaseous fuels, natural gas, blast furnace gas, water gas and coal or illuminating gas. In the line of liquid fuels there are two, petroleum in its various forms and alcohol.

Where plenty of wood is available, it is perhaps the best and in the end the cheapest substitute for coal, principally because no special appliances are required for burning it. Perfectly dry hardwood contains almost as many heat units per pound as does coal, and two cords of ordinary fire wood are generally considered to be equal to one ton of bituminous coal, so far as heating efficiency is concerned. The heating efficiency of wood varies with the kind, as well as with the amount of moisture it contains. Where an excessive amount of moisture is present in the wood, a large amount of heat is consumed in vaporizing this moisture. This heat would otherwise be expended in doing the work for which the fuel is being burned.

In some parts of the country there are large beds of peat that might be used as fuel, especially if put up in the form of briquettes. The manufacture and sale of briquettes has become an important industry in some of the foreign countries, where many kinds of fuel are wanting. Various materials are used in the manufacture of these briquettes, among which are lignite, coal dust and screenings, peat, coal tar and products, coke, charcoal and crude petroleum. Although almost any of the fuels, except the gaseous, may be made into briquettes, the principal use for this method is the transforming of such substances as peat, coal dust and fine slack into a form in which it may be readily burned. Peat usually contains a high percentage of moisture, 10 per cent when thoroughly dried, and 25 per cent when air dried. About 30 per cent of its available heat is consumed in evaporating this moisture. Peat also contains a large amount of ash, 15 per cent on an average, which very greatly diminishes its fuel value. It is, however, about equivalent to good wood as a heat producer, evaporating about six and one-half pounds of water to the pound of peat fed into the furnace.

If charcoal be burned in ovens, the by-products of its manufacture make the process profitable, but owing to the limited quantity of charcoal produced it can scarcely be considered as a regular fuel. There can be no advantage connected with the use of charcoal for heat production, as it contains as a rule only about 60 per cent of the original heating value of the wood, and it is more economical to burn the wood itself. Charcoal has about the same heating efficiency as coke and anthracite coal.

Coke is prepared by the distillation of bituminous coal in ovens or retorts. Unfortunately the same conditions that govern the output of coal also control the production and shipment of coke, and it cannot be depended upon for use as a substitute for coal. Coke has about the same heating value per pound as anthracite coal, and burns more freely, but does not last so long in the furnace.

Sawdust can be utilized for fuel, but to

get the best results it should be first dried, then burned in a specially constructed furnace. The quantity of sawdust available, however, is not sufficient to warrant our giving it any particular attention. With about 50 per cent of moisture present, and under good draught, sawdust has given an evaporation of four pounds of water, or about 4,750 heat units, per pound of fuel. Spent tanbark is similar to and gives about the same results as sawdust. In the use of both of these fuels it would be advisable to dry them as thoroughly as possible, and then burn them with a small amount of semi-bituminous or bituminous coal to carry the fire.

Either wheat or rye straw has an application as a fuel wherever it is very plentiful, three and one-half pounds being equal to one pound of coal. Since we have assumed in our table, showing the cost of evaporating one pound of water, that semi-bituminous coal cost \$4.50 per ton of 2,240 pounds, and if it require three and one-half pounds of straw to do the work of one pound of coal, 7,840 pounds of straw will be required to equal one ton of coal. It would be necessary therefore to purchase straw at 5.74 cents per hundred weight, or about \$1.15 per ton, in order that the cost might be equal.

Corn fodder and cotton stems might be placed in about the same class as straw and cannot be classed as of any particular importance as fuels. Corn cobs, where available in any quantity, can be used to good advantage. No data is available as to the effectiveness of cobs, but experience shows that they are very efficient as a steam generator. Bagasse or crushed cane is often used as fuel, but to be properly burned it requires either to be first dried or else in a furnace that is adapted to its use.

This practically covers the range of solid fuels, except perhaps a few of minor importance, found in isolated locations only.

Gaseous Fuels.

Through certain sections of the United States there is to be found an abundance of natural gas. Where it occurs in great quantities it is even cheaper than coal. It is usually supplied on the basis of the cost of doing the same work with coal, and as it requires very little attention it makes a very desirable fuel. Very little is known regarding the thermal efficiency of natural gas and it varies greatly in different localities and between different wells in the same locality. It is estimated, however, that 30,000 cubic feet are required to equal one ton of the best coal. With coal at \$4.50 per ton, natural gas would have to sell at 15 cents per thousand cubic feet to be on an equality with coal; however, the price would be comparable at 20 cents per thousand, since no fireman is required, at least not for full time, and there are no ashes to handle.

Where government buildings are heated by natural gas, the contracts are let upon the basis of the coal required to do the same work, the gas company agreeing to maintain the proper temperature within the building and to supply coal and the necessary firemen in case the gas should fall at any time during the year. Where natural gas is used as the regular fuel it is always wise to have a small supply of coal on hand, as the supply of gas is occasionally cut off by breaks in the main pipe line.

Coal or illuminating gas is produced by heating bituminous coal in air-tight retorts.

ble to apply a small quantity previous to benching, working it in deeply, or, better still, sprinkled on a layer of soil near the bottom when filling the bench as related in my notes of June 11.

From a practical and economical standpoint it is best to have no needless fertilizers in the soil, and especially about the roots, during the time the efforts of the plant are directed solely towards adapting itself to new conditions and surroundings.

This is especially true when dealing with varieties impatient of disturbance at the root when lifting, and consequent tardiness in getting restored to perfect root action, as the constant aim should be to maintain the proper balance between food supply and plant requirements at all times.

With this end in view and your knowledge of soil constituents when prepared, time of housing, size and health of plants and conditions generally, you will be able to decide when and what course to pursue. Our plan is to apply when the soil is a trifle on the dry side, at the rate of a 3-inch pottful to a row of five or six plants, work in lightly and water at once. This first watering serves to start decomposition of the bone and, if it was so treated in preparation for the market as to render its fertilizing qualities quickly available, one or two subsequent waterings will carry them within reach of the roots.

Of course this application is not needed if your soil already contains a similar or larger quantity of bone however applied. This operation should not be confounded with top dressing, which may be in order some two months later, although it may serve an end of like nature.

There is a great difference in the value of the various brands of bone meal on flour on the market and while space forbids me going into the details of the process through which some of the best brands go, I venture the statement that most of the cheap brands have undergone such treatment as to render them practically odorless and I have yet to find an odorless fertilizer that possesses any lasting qualities or much value.

Geo. S. Osborn.

MR. CARMODY'S HUMOR.

In my attempt to recall some of the features of the late convention I failed to mention Mr. Belzebub Carmody's most amusing address. I know that won't trouble my friend in the least, but there was one remark I take exception to.

First, let me say that in spite of several venerable anecdotes, no hearer enjoyed it more than the writer, and the large, attentive audience proves that amusement and merriment are what the majority are looking for. This is proper and natural; we do lots of hard thinking and working at home. We do not assemble as a society to discuss the transit of Venus, or woman suffrage, or the propagation of the gospel in foreign parts.

A feature like the address from Posey County was most welcome. Mr. Carmody is a natural wit, and it is when he is purely the original Carmody that he is greatly enjoyed. Natural wits are not always good story tellers, and good story tellers are by no means always wits. What I take issue with is Mr. Carmody's statement (of course, borrowed) that it takes a surgical operation to get a joke into an Englishman. If he had said a Scotchman he would not have been so far wrong. There is a dry humor about the Scotch, but their stories and jokes must always redound to the credit of the Scotchman, or it's no joke. However, there is a much more diversified range of character in the Scot than in the Englishman, so we won't enlarge on that, but merely say that we know several Scotchmen who keenly enjoy a joke or witticism and it takes no trepanning of their craniums to let it in.

They say the French are witty. Doubtless so, but unless we understand it in the original it cannot be appreciated. The translations of German wit that we have come across sound funny, but sadly lack spice. The Irishman, of all English-speaking people, has undoubtedly the ready repartee and wit which is pure wit. And "Pat" cares little whether the laugh is on him or the other fellow, so long as he can give a ready, quick, witted reply. But best of all I like the wit we will call American. Mark Twain, Bret Harte, Eugene Field, Bill Nye and many others. Now, where did this American wit and humor evolve from. It certainly did not come from the Hollanders, who settled New York. No one accuses them of being witty. Irishmen, so numerous and prominent now, have been coming here only for the past sixty years. There were a few scattering ones before, but not enough to leave any mark on the national character. The Teutonic emigration began only about 1840, and the keen wit of New England was flourishing long before that, so where do we get the foundation of our wit? We all realize that there is a prolific and varied

field of character in this country at a day, from which to draw inspiration, story and joke. The infant mind of negro, the lately emancipated Hebrew, "Paddy from Cork," "Donald from the Highlands," the English rustic or even the several types of the native Indian afford a vehicle for caricature from all types. Yet beneath all that there is a native, shrewd, sharp wit, and it came from New England and it was carried to the shores of New England by old Englishmen from the land that produced Shakespeare, Ben Jonson, Charles Lamb, Sidney Smith, Thackeray, the immortal Dickens and thousands more of wit men. Read Jerome K. Jerome's little book, "Three Men in the Boat," not mention the dog," and see, Mr. Carmody, if you will say again what you said at Milwaukee. Even if your original wit and jokes do deal largely with skepticism of the infernal regions, brimstone and sulphur, I love to listen to you. W. S.

SUBSTITUTES FOR COAL.

Their Comparative Efficiency in Use.

BY W. R. RUATTEL, WASHINGTON, D. C.

The use of greenhouse structures for growing plants for profit is limited practically to the last half century, and the problem of warming the atmosphere within these structures was one of the first to receive attention. I might mention that greenhouse heating began by the employment of organic matter packed tightly together, the heat thus generated being liberated and maintained a moderate temperature within the enclosure. Following this we have the stove and flue methods, then the hot water system with its open cement troughs, the cast iron pipe system with open expansion tanks, and at present hot water under pressure for small establishments, and steam in its latest adaptations for large ranges of commercial houses and conservatories.

It is scarcely necessary that allusion should be made to the phenomenally rapid growth of the greenhouse industry in the United States, except as a reminder that here is an industry that represents an important percentage in the total of agricultural production. That which fifty years ago was a novelty, and a luxury with most persons indulging therein, and a means of financial gain to a very few, has now reached the point where it represents the investment of millions of dollars capital, and the employment of an army of people.

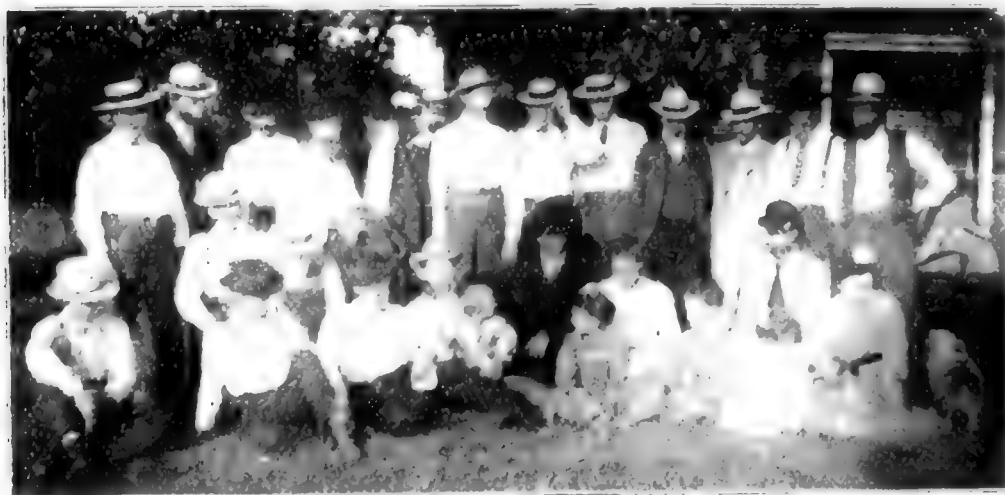
In the case of a scarcity of fuel it is possible for the management of the mill or factory to suspend operations, draw fire and water from the boilers, and close down for an indefinite period without particular loss except in the delay in filling order. Not so with the grower of greenhouse products, for with him the lack of fuel for a single hour in excessively cold weather may result in the loss of his entire stock. This fact places the florist in a much more critical position during a fuel famine than are his neighbors, the manufacturers.

It is an old saying that "history repeats itself," and the past has shown that differences occasionally arise between capital and labor and these invariably result in a shortage of some of their products. There is doubt but that there is plenty of fuel in this country to last for generations, but nature has stored it many miles from where man has contrived to use it, and emergencies must be provided for. For general use in most localities, and under ordinary conditions, there is no fuel that will compare with coal, either in price or results.

In the time and space allotted I endeavor to point out some of the methods whereby a temporary shortage of coal can be bridged over, together with descriptions of special appliances used in connection therewith.

Coal, the Standard.

As coal is the principal source of production of artificial heat, and so far as it remains the principal source, we naturally adopt it as the standard by which to measure all other fuels. In order that we may determine the relative value of the various substitutes for coal, it will be necessary, first, that we understand



Members of St. Louis Florists' Club at Wm. Winters' Place, Kirkwood, Mo., July 9, 1903.

Photo by Mrs. H. G. Boring.



Omaha Florists' Club on an Outing, July 23, 1903.

something of the heating power of the various grades of coal, and the methods of determining this efficiency.

In all our calculations we use the B. T. U. (British Thermal Unit) as our unit for measuring the heat given off by the combustion of any fuel. This unit is the amount of heat required to raise one pound of water one degree, at and from 32 degrees Fahrenheit. Reference is also made to the number of pounds of water evaporated from and at 212 degrees per pound of fuel, and per pound of actual combustible. The value of any fuel is measured by the number of heat units that its combustion will generate. Carbon and hydrogen represent the combustible portion of a fuel, and its heating value depends upon the proportion in which these elements are present. All solid fuels contain some moisture and more or less incombustible matter, either sulphur or ash. The anthracite coals contain a moderate percentage of moisture, are low in hydrogen, high in carbon, and moderately high in ash; these produce very little flame. Ordinary wood, on the other hand, is high in moisture, comparatively high in hydrogen, and low in carbon and ash.

The following table shows the comparative heating value of the various classes of coals:

Kind of Coal.	Carbon content.	Volatile matter.	B.T.U. per lb.	Water evap. per lb.
Anthracite	86.00	13.80	13,220	13.66 lbs.
Semi-bituminous	73.84	18.56	14,730	14.08 lbs.
Bituminous	55.00	35.00	15,000	15.50 lbs.
Lignite	38.78	40.19	9,670	10.00 lbs.

It will be observed that as we pass from anthracite to the softer grades of coal, as the carbon decreases the volatile matter increases, and the heating value decreases, except in certain of the semi-bituminous coals found in Pennsylvania, Maryland and West Virginia, which contain a higher number of heat units and are capable of evaporating more water per pound than are the anthracite coals. The highest of these is known as Broad Top, Pa., containing 14,820 heat units per pound of coal.

By reference to the above table of heating values of the various classes of coals, we can ascertain the comparative cost per thousand heat units at the prices of coal delivered. Assuming the price per ton for the various coals to be that given in the following table, we have:

Kind of Coal.	Price per ton of 2240 lbs.	Price per lb.	Cost per 1000 B.T.U.
Anthracite	\$6.50	.290 ct.	.021936 ct.
Semi-bituminous	4.50	.200 ct.	.013578 ct.
Bituminous	3.50	.156 ct.	.012018 ct.

These figures, however, would not be comparable with actual results accomplished by burning coal under the ordinary boiler, for they are based upon the theoretical heating efficiency of the coal according to chemical analysis. The results obtained in burning coal as reported by the United States Naval Fuel Board were as an average for seventeen tests about eight pounds of water evaporated per pound of coal burned. Upon this basis the foregoing table should be corrected to read as follows:

Kind of Coal.	Price per ton.	Price per lb.	Cost of evap. 1 lb. water.
Anthracite	\$6.50	.290 ct.	.036 ct.
Semi-bituminous	4.50	.200 ct.	.025 ct.
Bituminous	3.50	.156 ct.	.0195 ct.

It should be stated, however, that the above included the raising the water from about 130 degrees F. and evaporating it under a pressure of about 280 pounds. This would require a greater expenditure of energy and would in a measure compensate

for the losses that are common when using coal under ordinary conditions.

Substitutes for Coal.

Among the solid fuels that might be named under this head are wood, peat, charcoal, coke, sawdust, spent tanbark, wheat or rye straw, bagasse or crushed cane, corn fodder, corn cobs, and cotton stems. Of the gaseous fuels, natural gas, blast furnace gas, water gas and coal or illuminating gas. In the line of liquid fuels there are two, petroleum in its various forms and alcohol.

Where plenty of wood is available, it is perhaps the best and in the end the cheapest substitute for coal, principally because no special appliances are required for burning it. Perfectly dry hardwood contains almost as many heat units per pound as does coal, and two cords of ordinary fire wood are generally considered to be equal to one ton of bituminous coal, so far as heating efficiency is concerned. The heating efficiency of wood varies with the kind, as well as with the amount of moisture it contains. Where an excessive amount of moisture is present in the wood, a large amount of heat is consumed in vaporizing this moisture. This heat would otherwise be expended in doing the work for which the fuel is being burned.

In some parts of the country there are large beds of peat that might be used as fuel, especially if put up in the form of briquettes. The manufacture and sale of briquettes has become an important industry in some of the foreign countries, where many kinds of fuel are wanting. Various materials are used in the manufacture of these briquettes, among which are lignite, coal dust and screenings, peat, coal tar and products, coke, charcoal and crude petroleum. Although almost any of the fuels, except the gaseous, may be made into briquettes, the principal use for this method is the transforming of such substances as peat, coal dust and fine slack into a form in which it may be readily burned. Peat usually contains a high percentage of moisture, 10 per cent when thoroughly dried, and 25 per cent when air dried. About 30 per cent of its available heat is consumed in evaporating this moisture. Peat also contains a large amount of ash, 15 per cent on an average, which very greatly diminishes its fuel value. It is, however, about equivalent to good wood as a heat producer, evaporating about six and one-half pounds of water to the pound of peat fed into the furnace.

If charcoal be burned in ovens, the by-products of its manufacture make the process profitable, but owing to the limited quantity of charcoal produced it can scarcely be considered as a regular fuel. There can be no advantage connected with the use of charcoal for heat production, as it contains as a rule only about 60 per cent of the original heating value of the wood, and it is more economical to burn the wood itself. Charcoal has about the same heating efficiency as coke and anthracite coal.

Coke is prepared by the distillation of bituminous coal in ovens or retorts. Unfortunately the same conditions that govern the output of coal also control the production and shipment of coke, and it cannot be depended upon for use as a substitute for coal. Coke has about the same heating value per pound as anthracite coal, and burns more freely, but does not last so long in the furnace.

Sawdust can be utilized for fuel, but to

get the best results it should be first dried, then burned in a specially constructed furnace. The quantity of sawdust available, however, is not sufficient to warrant our giving it any particular attention. With about 50 per cent of moisture present, and under good draught, sawdust has given an evaporation of four pounds of water, or about 4,750 heat units, per pound of fuel. Spent tanbark is similar to and gives about the same results as sawdust. In the use of both of these fuels it would be advisable to dry them as thoroughly as possible, and then burn them with a small amount of semi-bituminous or bituminous coal to carry the fire.

Either wheat or rye straw has an application as a fuel wherever it is very plentiful, three and one-half pounds being equal to one pound of coal. Since we have assumed in our table, showing the cost of evaporating one pound of water, that semi-bituminous coal cost \$4.50 per ton of 2,240 pounds, and if it require three and one-half pounds of straw to do the work of one pound of coal, 7,840 pounds of straw will be required to equal one ton of coal. It would be necessary therefore to purchase straw at 5.74 cents per hundred weight, or about \$1.15 per ton, in order that the cost might be equal.

Corn fodder and cotton stems might be placed in about the same class as straw and cannot be classed as of any particular importance as fuels. Corn cobs, where available in any quantity, can be used to good advantage. No data is available as to the effectiveness of cobs, but experience shows that they are very efficient as a steam generator. Bagasse or crushed cane is often used as fuel, but to be properly burned it requires either to be first dried or else in a furnace that is adapted to its use.

This practically covers the range of solid fuels, except perhaps a few of minor importance, found in isolated locations only.

Gaseous Fuels.

Through certain sections of the United States there is to be found an abundance of natural gas. Where it occurs in great quantities it is even cheaper than coal. It is usually supplied on the basis of the cost of doing the same work with coal, and as it requires very little attention it makes a very desirable fuel. Very little is known regarding the thermal efficiency of natural gas and it varies greatly in different localities, and between different wells in the same locality. It is estimated, however, that 30,000 cubic feet are required to equal one ton of the best coal. With coal at \$4.50 per ton, natural gas would have to sell at 15 cents per thousand cubic feet to be on an equality with coal; however, the price would be comparable at 20 cents per thousand, since no fireman is required, at least not for full time, and there are no ashes to handle.

Where government buildings are heated by natural gas, the contracts are let upon the basis of the coal required to do the same work, the gas company agreeing to maintain the proper temperature within the building and to supply coal and the necessary firemen in case the gas should fail at any time during the year. Where natural gas is used as the regular fuel it is always wise to have a small supply of coal on hand, as the supply of gas is occasionally cut off by breaks in the main pipe line.

Coal or illuminating gas is produced by heating bituminous coal in one of two ways.

Coal gas contains only about 20 per cent of the heating value of coal, and could not profitably be used except in an extreme emergency. Its production, like coke, is dependent upon the output and delivery of coal, so cannot be regarded as a reliable substitute for coal.

Blast furnace gas is that which is given off by the partial burning of coal in a blast furnace. This gas usually represents about 60 per cent of the heating value of the coal; its composition, however, is irregular and its use practically limited to the firing of boilers connected with the blast furnace establishment.

Water gas is produced by passing water vapor or steam over hot coal; this process produces a gas containing about 58 per cent of the heating value of the coal.

Coal Gas.

There is a system of gas production from coal, now in use in England and two or three places in this country, known as the Mond system, by which it is claimed a great saving of coal is secured. As the difficulties of securing a sufficient supply of coal increase, the consumer will learn to adopt methods whereby greater economy may be effected. In the production of Mond gas a very costly plant is necessary and its use would only be possible in large communities where the interests were largely in common. It is claimed by this company that in the production of power they have attained the ideal of "one horse-power, one hour, one pound of coal." This, however, cannot be realized by burning the gas under boilers, and may be possible only by converting the gas directly into power by means of gas engines.

Mond gas is a highly efficient form of water gas, containing upwards of 80 per cent of the heating value of the coal. The gas contains about 140 heat units per cubic foot, and a gross ton of rough slack coal produces 140,000 cubic feet of gas, or 19,600,000 heat units to the ton as compared with 32,995,200 heat units in a ton of the best semi-bituminous coal, or 29,120,000 heat units in ordinary bituminous coal. Although a greater number of heat units are contained in a ton of coal than in the gas produced from a ton of coal, the heat contained in the gas is much more available than that in the coal, as shown by the results obtained in the recent tests made by the Naval Fuel Board, in which only about half the heating value of coal was realized. It is intended, however, that this gas shall be produced from the coal screenings and the waste products, which are usually sold very cheaply, and it is claimed that a ton of the poorest slack will produce as much gas as a ton of lump coal of the same grade.

By comparing the data already given it will readily be seen that aside from wood and natural gas, where it can be obtained, there is very little among the solid and gaseous fuels that can be depended upon as substitutes for coal. We now turn our attention to the liquid fuels, of which there are but two that are worthy of consideration; these are petroleum, either as it comes from the well, or some of its products, and alcohol. The present supply and the methods of the manufacture of alcohol would not warrant its extensive use as a fuel, but the time may not be far distant when it may be produced in great quantities from plants, perhaps ten to fifteen tons from an acre of ground. The thermal efficiency of alcohol is not exceptionally high,

being about 12,600 units per pound, or 2,000 units less than the best semi-bituminous coal. Alcohol is exceptionally efficient as a fuel owing to the fact that most of the heat is available and very little is lost in the process of combustion.

Petroleum as Fuel.

We now come to the consideration of the most important of all the substitutes for coal, in fact the only substitute aside from wood, that reaches any degree of comparison. During the scarcity of coal last year there were many attempts made to replace coal with oil, some few of which were rather satisfactory. There is no longer any doubt regarding the mechanical part of oil burning, but the expense connected therewith is so much greater than with the use of coal as to make it impractical under most circumstances.

Last year an oil burning test was made at the Bureau of Printing and Engraving at Washington, under the direction of the officials of the Treasury Department. This test was made under a 250 horse-power boiler, and the oil was burned by means of two "Branch" burners. The report upon this test reads as follows: "The result of the test shows that 13.8 pounds of water were evaporated from and at 212° F. per pound of oil. That the total amount of oil consumed was 3,323 pounds, which at 320 pounds per barrel, makes the cost, at \$1 per barrel, \$10.40, and that the amount of coal necessary to evaporate the same quantity of water as was evaporated by the oil, assuming eleven pounds of water to the pound of coal would be 4,351.3 pounds, which at \$4 per ton would make the corresponding cost of coal \$7.76."

In the catalogue issued by the Babcock & Wilcox Company, we find the following statement regarding the relative value of petroleum and coal: "Petroleum has a heating capacity, when fully burned, equal to from 21,000 to 22,000 per pound, or say 50 per cent more than coal. But, owing to the ability to burn it with less losses, it has been found, through extended experiments, that under the same boilers and doing the same work a pound of petroleum is equal to 1.8 pounds of coal. The experiments on locomotives in Russia have shown practically the same value, or 1.77. Now, a gallon of petroleum weighs 6.7 pounds (though the standard buying and selling weight is 6.5 pounds), and therefore an actual gallon of petroleum is equivalent under a boiler to twelve pounds of coal, and 190 standard gallons are equal to a gross ton of coal. It is very easy with these data to determine the relative cost.

"At the wells, if the oil is worth say 2 cents per gallon, the cost is equivalent to \$3.80 per ton for coal at the same place, while say at 3 cents per gallon, the lowest price at which it can be delivered in the vicinity of New York, it costs the same as coal at \$5.70 per ton. The Standard Oil Company estimates that 173 gallons are equal to a gross ton of coal, allowing for incidental savings, as in grate bars, carting ashes, attendance, etc."

The experiments just completed by the Naval Fuel Board are the most comprehensive and thorough of any that have ever been conducted. As an average for fourteen tests with crude oil as fuel, 11.60 pounds of water were evaporated from about 120° F. under a pressure of 279 pounds, to each pound of oil burned. This is compared with the results of seventeen coal tests in which the average evaporation

was 8.12 pounds of water to each pound of coal burned. This evaporation, in both cases, as will be observed, took place at a very high pressure, and included the heating of the feed water to the point where it was evaporated. The equivalent evaporation from and at 212° F. for the oil would be 13.30 pounds of water per pound of oil, and for the entire seventeen tests with coal the equivalent evaporation would be 9.21 pounds of water per pound of coal. In these coal tests, three grades of coal were used, Pocahontas run of mine, New River run of mine, and Pocahontas hand picked and screened. During the first three tests with Pocahontas run of mine, having a calorific value of 14,067 heat units per pound of coal, and 15,391 units per pound of combustible, there resulted an equivalent evaporation of 8.65 pounds of water per pound of coal fed into the furnace. The second three tests made with the same kind of coal, but with a slightly higher heating efficiency, produced an equivalent evaporation of 9.40 pounds of water per pound of coal fed into the furnace. The following three tests made with New River run of mine, having a calorific value of 14,841 units per pound of coal, and 15,684 units per pound of combustible, yielded an equivalent evaporation of 9.36 pounds of water per pound of coal fed into the furnace. The remaining eight tests made with Pocahontas coal hand picked and screened, with a calorific value of 14,992 units per pound of coal, and 15,475 units per pound of combustible, yielded an equivalent evaporation of 9.30 pounds of water per pound of coal fed into the furnace.

Taking the general average equivalent evaporation, for the seventeen coal tests, of 9.21 pounds of water per pound of coal fed into the furnace, we have 20,360.4 pounds of water evaporated from and at 212° F. to each ton of coal consumed. Calculating the cost of coal at \$4.50 per ton, we have a rate of .0216 of a cent per pound of water evaporated. To evaporate the same quantity of water, using oil as the fuel, as was evaporated by a ton of coal, would require 1551.1 pounds of oil. Calculating 320 pounds of oil to a barrel, we have 4.85 barrels of oil equaling one ton of coal. Owing to the fact that oil can be burned much more economically than coal, we are safe in assuming that four ordinary barrels of crude oil are equal to one ton of the best semi-bituminous coal for heating purposes. With these figures before us and the price of both coal and oil at hand, we can very readily calculate the comparative cost of each.

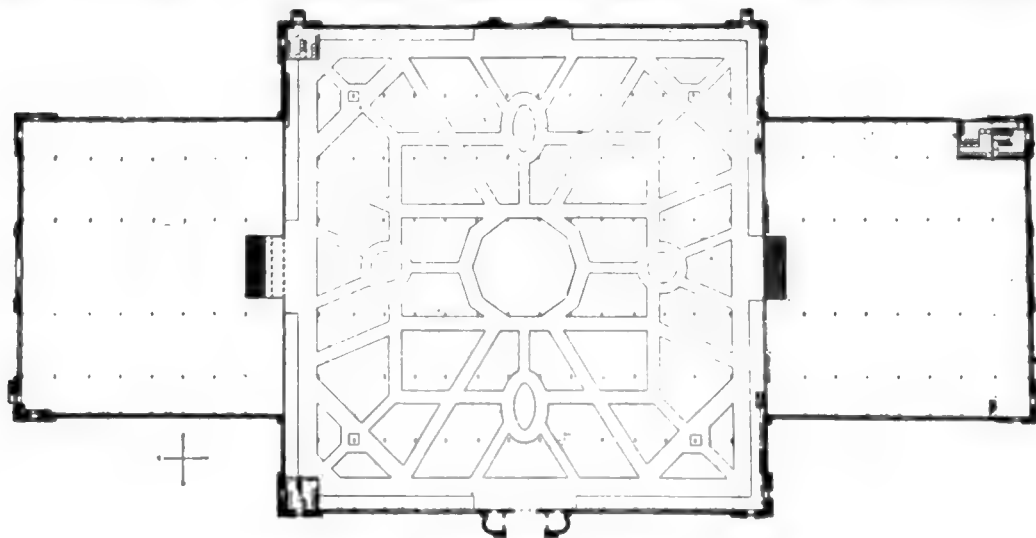
Crude oil is being successfully burned in locomotives throughout the southwestern part of the United States, also in all kinds of steam generating appliances wherever near enough the oil fields to warrant a cheap and plentiful supply. The minimum amount of attention required to do the firing adds a factor in favor of petroleum as fuel; in the case of the steamship *Mariposa*, sailing between San Francisco and Tahiti, the introduction of oil has reduced the firing force from twenty-two to three men.

The use of crude oil is, however, attended with several difficulties: it kills animals that take it inwardly, and plants with which it comes in contact. Crude oil contains all the more volatile elements, including the naphtha, and is highly explosive, and care must be taken in handling it. When burning it in an enclosed furnace explosions are liable to occur should the flow of oil become temporarily interrupted; upon the oils resuming its flow the furnace becomes filled with gas, which, upon igniting, produces an explosion. Where artificial gas is available it is desirable to maintain a small jet within the furnace and near the burner to serve as a lighter should the oil gas become extinguished. Broken fire brick, which become white hot, will serve to relight the gases.

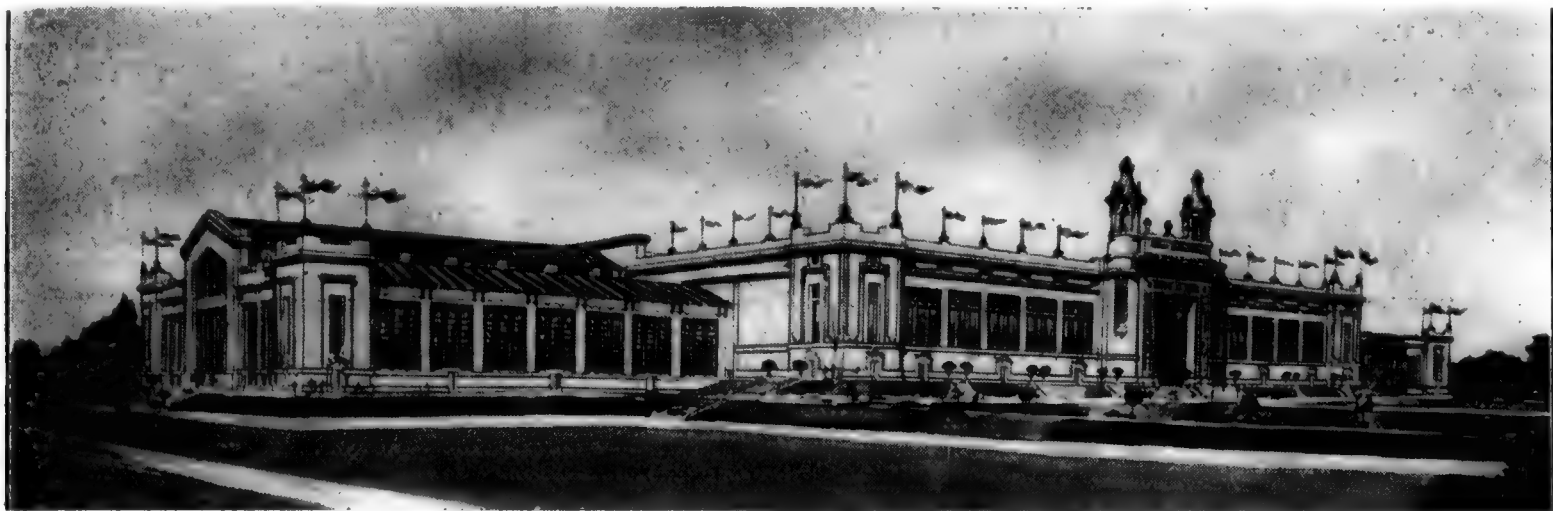
Appliances for Burning Oil.

There remains no question regarding the mechanical application of crude oil in generating heat under boilers, and the only drawback to its general adoption are the limitations imposed by the supply and cost. With a sufficient supply in view, however, the limitation of cost may be disregarded during a short emergency period.

During the shortage in the coal supply last year a great number of devices for burning oil were placed upon the market, and many an "oiled brick" scheme was imposed upon the public. The advantages claimed for many of the so-called oil burning outfits, by those who had them for sale, were remarkable, indeed; plenty of heat with half the cost of coal at ordinary prices and absolute satisfaction were lib-



Ground Plan for Horticultural Building at St. Louis.



The Horticultural Building at the St. Louis World's Fair.

usually guaranteed. Many such an outfit that cost perhaps \$2 to manufacture was installed at a price ranging from \$10 to \$50. It is needless to add that most of these were afterward discarded and many of them are now to be found in the junk shops.

In burning oil it is necessary to either transform it into a gas and mix with the required amount of air before it is burned, or to spray or atomize it as it is fed into the furnace. The object of a burner, in the use of oil as fuel, is to get the oil into a finely divided state, and to get the particles in direct contact with the oxygen of the air. The atomizing may be accomplished either by means of steam or compressed air, the steam being the simpler where the burner is used in connection with a steam boiler. In a large heating plant, where low pressure steam is the method used, it would be necessary to install a small auxiliary boiler to furnish high pressure steam with which to feed the oil burners used under the low pressure boilers. Where electric power is available, a motor-driven air compressor could be used to furnish the supply of air for atomizing the oil. The higher the temperature of the steam or air used for atomizing the oil, the greater will be the efficiency of the burner.

The Oil City Boiler Works burner, used by the Naval Fuel Board during the first eight oil tests, vaporizes the oil by means of compressed air. The Hayes burner, used in test No. 9, employs steam as the atomizing agent. The Oil City Boiler Works burner, used in tests Nos. 10, 11 and 12, requires steam to spray the oil. The F. M. Reed burner, used in tests Nos. 13 and 14, volatilizes the oil by means of steam, after which a supply of air is added before leaving the burner. The cost of these burners and the expense of their installation can be had by addressing the manufacturers.

To Build a Burner.

A very simple and efficient burner can be constructed in the following manner. Procure an ordinary flange union, bolt together with thin iron washers between the parts in order to hold them separated about 1-32 of an inch; close one end by means of a cast iron plug and bush down the other end to not less than one inch or more than two inches; this forms the burner and it should be placed in the center, or perhaps a little toward the front of the firebox, and upon the grate bars. The bushing should form the lower end of the burner and should be screwed to the top of an elbow attached to a pipe that makes one or two turns around the firebox. A steam connection from the top of the boiler is made to this pipe and the oil is fed into this steam pipe through a tee to which is attached the oil supply, the connection being made just outside the furnace. The oil supply should be controlled by a needle valve and the flow accomplished by using a closed tank for the reservoir and compressing the air in the top of the tank, the oil being drawn from the bottom. To start this apparatus, steam is first gotten up on the boiler by means of a coal or wood fire. First the steam and then the oil are started through the burner and the coal fire allowed to burn itself out.

In experiments recently made with an eight horse-power upright tubular boiler, burning crude oil, an even flame of yellowish color with a blue tint was secured which worked the boiler to about two-thirds of its maximum capacity; the burn-

er used was made from a 2-inch flange union. In this test no smoke was given off. For a larger burner a 3-inch or 4-inch, or even larger, union may be used, or two or three smaller unions connected together.

The greatest difficulty with burning oil occurs when the installation is under the smaller class of hot water heaters, such as are used in the moderately small greenhouse plants. In that case it is necessary to generate the gas by passing the oil through a heated coil or retort, and then burning it by the Bunsen method. There are a number of makes of burners designed for the direct generation and combustion of oil, but none of them give a perfect flame, due as a rule to insufficient air being mixed with the gas.

The firm of Lord & Burnham are agents for an apparatus for burning oil which is rather simple in construction. A closed tank is used for containing the supply of oil, the pipe leading to the retort and burner being taken from the top of the tank. To the bottom of the tank is attached a valve connected with the water supply, and as the oil is drawn from the tank it is replaced by the water and a uniform pressure maintained. The oil and water will not mingle and the amount of oil in the tank is determined by means of a gauge-glass which extends from top to bottom of the tank. This system might be employed in connection with the use of any burner.

A fair degree of success has been attained with a Bunsen system of burning refined kerosene, in which the gas was generated in a coil placed in the fire-box, the gas being conducted from the coil, downward to a point below the level of the grate, where it was liberated through an orifice into a mixer, and burned with a clear blue flame over a wire gauze stretched over the top of the mixer. This burner is very efficient, but is liable to produce a vibration that is sometimes equal to the noise of a steam whistle. The wire gauze will last but a short time, and should it become perforated the burner will flash back to the nozzle of the mixer and burn with a white flame. The supply tank should be elevated eight or ten feet above the burner in order to give pressure, and inlet controlled by a needle valve. This system would work well if supplied with air from a pressure blower, as the chief difficulty arises from the inability to mix sufficient air with the gas.

Conclusions.

That coal is the cheapest and best fuel that the market affords, one pound under ordinary conditions evaporating about seven and one-half pounds of water at 212° F.

That the provision for a liberal reserve supply of coal is, under most circumstances, the safest method of providing for an emergency. This supply need not be stored near the boilers, and should only be used when coal cannot be secured from the regular sources. The interest on the money invested in such reserve supply of coal will be wisely expended.

That a pound of dry wood will evaporate about four pounds of water at 212° F. That wood is in many cases the most efficient substitute for coal during a short period.

That where crude oil can be secured at a reasonable price it is the best and most reliable substitute for coal, and where it can be purchased as low as \$1 per barrel it is preferable to coal at \$3.50 and upwards per ton. That one pound of crude

oil will evaporate 13.3 pounds of water at 212° F., and that one pound of oil has a heating efficiency equal to that of about 1.6 pounds of coal. Also that the use of oil is clean and economical so far as the fire-room work is concerned, and if properly burned, no smoke is produced.

That the mechanical part of oil burning has passed the first experimental stage and has proved successful. That there are a number of good burners upon the market, especially of the sprayer class, using compressed air or steam for volatilizing the oil.

That a cheap and efficient burner can be made from comparatively inexpensive materials.

That oil can be burned in an even and effective manner, especially under steam boilers of the watertube class.

That petroleum will probably never replace coal for general use.

ST. LOUIS WORLD'S FAIR.

Those who visited the Buffalo exposition, or the one at Omaha, will remember the representative character of the florists and nurserymen who exhibited there. Chief F. W. Taylor, of the St. Louis World's Fair, who occupied a similar position in both the expositions mentioned, reports that nearly every exhibitor he has had heretofore, together with a good many others, will be in attendance at St. Louis in 1904. The exhibits already planted cover as many acres as were used in Buffalo for the entire outdoor exhibit. When the next fall's and next spring's plantings are added to what has already been done, there will be at least fifty acres of outdoor planting of exhibits, entirely aside from the landscape work of the exposition itself. The material already planted includes evergreens, hardy shrubs, roses, peonies and other hardy perennials.

A recent letter from the Mexican commission says that they will bring with them five carloads of plants for a part of the horticultural exhibit.

THE FLORIST NOT TO BLAME.

On the editorial page in the September issue of the Ladies' Home Journal appears the editor's views on the custom of display at funerals. Of course, the use of flowers comes in for its share of criticism and in all probability, considering the high standing of the publication, no discourtesy was intended in alluding to "those fearful conceptions of the ignorant florist," but why make it appear that the florists as a class are ignorant, when as a rule they are wholly in the hands of the relatives or friends of the deceased on these occasions?

The law of supply and demand is present in our trade, as in others, but let no one think the florist so devoid of knowl-

edge regarding the fitness of things that he does not see the absurdity in some of the demands made upon him, or so lacking in intellect as to be unconscious of the suggestiveness in the case when a gates ajar was ordered with the gates to be finished in bright red. These monstrosities are conceived in the brains of those desirous of obtaining something different or more fearful and wonderful in its architecture, the construction being left for the florist to work out, strict orders often being given that two or more certain colors predominate, regardless of harmony.

The spirit of the article in question voices the sentiment I have heard expressed by some of the leading ones in our profession, in part, proof of which I respectfully refer to the article in "Floral Arrangements" in the Florists' Manual, by William Scott.

GEO. S. OSBORN.

CONVENTION REMINISCENCES.

Everybody is now back from the convention and the vote in favor of Milwaukee as the banner city is unanimous. Such an overflow of good things, such weather, such an exhibition, and such an abundance of generous entertainment have never been equaled in the history of the S. A. F. The pace set is a hard one to follow, but Vice-President Beneke and the St. Louisians are already planning to excel it. New York is proud to have furnished the mover and seconder of the unadorned nomination of President Breitmeyer, Harry Bunyard and J. B. Nugent, and it feels more than pleased with the fine bowling record of Captain Lang.

The exhibit of handsome fat men at the convention has never been equaled. At St. Louis a fat men's bowling team would be as attractive as the bowling of the ladies, and it could be selected from those mountains of good nature and avoirdupois, Messrs. P. J. Foley, of Chicago; W. J. Herendeen, of Geneva; W. F. Kasting, of Buffalo; F. R. Mathison, of Waltham; J. F. Sullivan, of Detroit; Peter Crowe, of Utica; Dan MacRorie, of Orange; Julius Kretschmar, of Brooklyn; E. Hippard, of Youngstown; Arnold Ringier, and Anton Then, of Chicago, and Warren Ewell, of Boston, over 3,000 pounds of happiness.

I wonder if Leuly, of Hoboken, will wheel to San Francisco when the convention goes there about 1919. The distance wouldn't worry him; he manages to get there every year.

Never were the ladies so generously cared for as in Milwaukee. The vice-president may lay claim for all time to his well won honors as the champion "ladies' man," and he nearly absorbed the top prize for bowling and the presidency also. His labors have been persistent, unselfish and fair in behalf of all and the society has a good memory. He can afford to wait patiently for the recognition he deserves.

The Chicago example of large heartedness is an indication of how the windy city does things. There seems to be no limit to its purse and its usefulness. The banquet at the Auditorium and the "open house" farewell with its musical accompaniment are memories that will never fade. There is nothing small about Chicago. A visit on Sunday last with Edgar Sanders was most enjoyable, from the inspection of the famous "den" of horticulture to the pleasant reminiscences

reaching back over the years since the S. A. F. was born. That Brother Sanders may meet us in 1904 at St. Louis, fully restored to health, is the wish and expectation of all his visitors and friends.

The possibility of the society furnishing its own program was demonstrated at the president's reception by the singing of Miss Fulmer and the willingness of many others to do their share. This feature, under Brother Beneke's supervision, can be splendidly amplified at St. Louis.

If J. F. Wilcox had won the bowling championship, it would have been a popular victory. His modesty alone prevented him.

Those fierce looking hats from Denver covered as peaceful a lot of wholesouled westerners as one would wish to meet, and they were good bowlers, even if they could not quite reach the top. They will do better at St. Louis, and so will New York.

The vote taken on the New York special as to the most popular man on board went to Chatterton Warburton. As Mr. Warburton chaperoned three handsome ladies, the vote was a foregone conclusion. The winner of the decision as to the handsomest man on board was left to the ladies and resulted in a tie between Mr. Schloss and Mr. Guttman.

The number of "summer widowers" at the convention was phenomenal. Next year every married man will be expected to take his better half to St. Louis.

The number of prostrations at this convention was unusual. And the article that made Milwaukee famous looked clear and pure, too! Perhaps it was the water! One has to be so careful when away from home.

Two of the most contented souls in the multitude were Messrs. Craw and Fotheringham, of Irvington and Tarrytown. No wonder! Both married since the Asheville convention.

Wm. Dilger, of Detroit, was born lucky. The hotel thieves left him all his money and he was going to buy a new watch, anyway, on the first of September.

H. M. Altiek proved himself a good all-around man, and as a speaker, bowler and shooter he generally hits the mark. His carnation circular met with general approval.

J. W. Deake and Mrs. Deake decorated with a badge, including the S. A. F. buttons of many years, came all the way from Asheville to see if the convention of 1902 could be excelled. Everybody had kind words and memories of their fine work last season.

And as we meet and part, and farewells are spoken, and hands wave good byes, and happy memories are cherished, we renew life's battles stronger and better for these annual reunions. May not one of all the happy throng be missing when we greet one another at the great exposition in 1904.

J. AUSTIN SHAW.

BURLINGTON, WIS.—The Burlington Floral Co. is preparing to build a new greenhouse and a stack forty-five feet high.

ELMHURST, ILL.—Louis Bierman has completed his new greenhouse and is starting in business under favorable auspices.

THE YEAR IN COLORADO.

Here is a model report of a state vice-president of the S. A. F. Its author is J. A. Valentine, president of the Park Floral Co., of Denver, and the ideas embodied are deserving of serious consideration. The full report follows:

Reports from different growers and retailers indicate that trade in general throughout Colorado during the past year has been very satisfactory and that the volume of business increases pretty steadily from year to year. Retail buyers show a decided tendency to be more critical as to quality and to appreciate the value of anything which may be accounted a novelty. The quality of flowers produced has been such as to meet this more critical demand, except in the summer season. The home trade is almost nothing during the summer months, but the state is blessed with a great many conventions and a pretty steady stream of tourists. The conventions seem to have no appreciable effect on the flower trade, but the tourists are often flower buyers of means, who demand stock of a good quality. So far the florists of the state have not given this matter of summer supply the attention it deserves.

Previous to this year the supply of Beauties in the Denver market has not been equal to the demand, a great many being shipped in from Omaha and from Chicago, but this summer the Montclair Greenhouses and the Harmon Greenhouses of Mrs. R. Mauff have increased their area and have devoted the increase largely to Beauties. It seems now as though the shortage is likely to be more than overcome and an oversupply produced. This is also true as regards the rose Madame Chatenay, which proved to be very popular last season, while it was comparatively scarce, but it is doubtful whether the trade will consume all the stock from the increased planting.

Violets still continue to be the bane of most florists' existence in this locality. Maler & Dankworth have been the only firm in the vicinity of Denver who have met with uniform success in violets during the past several years.

In carnations there will be heavy plantings of most of the introductions of 1903. It remains to be seen whether the flower buying public will consume all of the cut from the large number planted at the prices which novelties are entitled to bring.

There have been several unsuccessful attempts in former years to conduct a wholesale cut flower establishment on a commission basis in Denver. Lyle C. Waterbury has recently opened an establishment to be conducted on a commission basis and announces his intention of carrying a full line of supplies usually carried by such concerns. Such an establishment would be a great convenience to the retail florists of the city, as well as to the growers, and it is to be hoped that the volume of business will be sufficient to justify Mr. Waterbury in continuing in the business.

The season has been a very backward one and frost was noted in Denver as late as July 3. This unseasonable weather interfered very considerably with the ordinary bedding trade, but when the end of the season was reached the total volume appeared to be in excess of last year. There still continues to be a marked increase in the demand for ornamental shrubbery and hardy herbaceous plants.

An organization of a state society under the name of the Colorado Society of Floriculturists was affected in May and it is to be hoped that this society will be an influence for good in the florist business of the state. It announces that one of its prime objects shall be to encourage the holding of exhibitions. The state legislature has been induced to make an appropriation for such an exhibit at the State Fair to be held in Pueblo in September.

Last summer and again this summer the Denver florists have been very severely injured by hail. Most of them were insured in the Florists' Hail Association and all of them so insured speak highly of the treatment received and the prompt settlement made.

Attendance at the annual convention of your society in Milwaukee from this state will be small in numbers, but will still show a very decided gain over the attendance at any former convention. It is to be hoped that the entire delegation will be so enthused at that meeting that they will return next year in still larger numbers.

BUFFALO.

Various Matters of Interest.

We found our city about at the same old gait upon our return from Milwaukee. Business is about at its lowest ebb, but that won't last long, as our wealthy people are fast returning from mountain and seashore. The weather for the past week has been simply suicidal—mist, drizzle, rain. We enjoyed such a lovely week's weather in Milwaukee that this week at home has made us feel discontented with our location, but we know it has been genial.

Asters and gladioli are the leading flowers of the day. Of the former Rudolph Boettger, of Eggertsville, and Harry Fishell, of Corfu, send in a lot of very fine blooms.

We returned from the convention city on the installment plan. Nineteen went out and only six returned, yet we believe they are alive somewhere. We know W. F. Kasting is, because we saw a nine-pound bull head that he hooked out of some unpronounceable lake in Wisconsin. Professor Cowell, with Brother Rudd, of Chicago, spent a day botanizing among the swamps and sand hills at the foot of Lake Michigan, Mr. Rudd providing the antidote for snake bite and Mr. Cowell discovering an unknown species of the "Rubrum Trubrum Terakifolium Tremens."

We were very glad to again have a visit from J. A. Valentine, of Denver, one of the wild west six whose hats and yells were a picturesque feature of the convention. Another member of the "gang" also came back with us to see his mother and other old friends. Philip Scott left home and friends three and one-half years ago and this was his first return visit. We did not go into the veal business, but he was warmly welcomed by all. One good friend, Park Superintendent Braik, kindly undertook to show him new Buffalo, and if any man can show beautiful Buffalo, Braik is the man, so we were rather disappointed to find that their sight-seeing had been largely confined to bowling alleys and their accessories.

W. J. Palmer has been putting in a most industrious summer at his large Lancaster establishment. Mr. Snell, late of Thorley's, who has had charge of Mr.

Palmer's up-town store for the past year, or since its opening, severed his connection with the firm on September 1.

I am glad to be able to say that Joseph Rebstock, who had the misfortune to break a leg two months ago, in a mix-up between an auto and a spirited horse, is now walking a little and will soon be himself again. My experience is that if you get a good job done and the fracture heals nicely, the limb is actually stronger at that point than at any other, but it so spoils the symmetry of the limb and is so expensive and inconvenient that to have legs that are all mended up fractures is not worth while.

All those that we have interviewed since coming home say they look back at Milwaukee as the most pleasant and enjoyable convention in their memory. Our bowlers are not discouraged. Not for two years have they rolled as a team, and two of the members had not rolled a single game in a year; so to get a decent third behind Philadelphia and Chicago is not discouraging, for we all know that the teams of the two leaders don't exactly sleep on the alleys, yet they dream much about them and speak often of them in their waking moments. There will be something doing in St. Louis, even if retired veterans have to go into training again. W. S.

PHILADELPHIA.

The Market.

The cold, easterly storm had a good effect on business, which improved for several consecutive days. The outdoor flowers were spoiled and the indoor were reduced in numbers and by no means improved in quality. There was a nice little business done, though there appears to be no probability of its continuance. The Flower Market had some choice asters, which were in brisk demand, also American Belle in quantity from John Burton. Other roses are plentiful. There is a fair amount of shipping.

The Convention.

Leo Niessen returned last week from his trip to Milwaukee, stopping in Chicago and Pittsburg on his return journey. He was much pleased with his whole trip. Milwaukee received the visitors most kindly, the convention was well attended, the exhibition a very fine one and all the arrangements admirable. The bowling match looked blue for our boys after the first game. The way they rolled the second and third games would have made any Quaker proud of them. A day was devoted to seeing a few of the big Chicago places, when H. B. Howard, of the REVIEW, kindly looked after a party of about twenty-five. Mr. Howard piloted the visitors to Bassett & Washburn's, J. C. Vaughan's and Peter Reinberg's. All proved most interesting.

A Tasty Book.

The prettiest little pamphlet issued for a long time is the new catalogue of M. Rice & Co., just out. The illustrations are on a colored background, which brings out the light and dark colors of the baskets, screens and wreaths to perfection and showing clearly the material of which they are made. The work is extremely well done, making it possible to determine clearly, exactly how each article will look. The whole catalogue is well worthy of careful perusal.

Notes.

Joseph Heacock is sending in his first Beauties of the season to the Flower Market.

John F. Andre is sending in Brides, Maids and Beauties to Leo Niessen.

C. A. Dunn & Co. are receiving some nice Semple's asters.

The J. Wolff Moore Co. opened for business this week at 1420 Columbia avenue. Mrs. Moore is the daughter of Mrs. J. Wolff, Sr., who has closed her store opposite but still continues her business at her greenhouses on Ridge avenue.

Hugh Graham has greatly improved his store at 108 South Thirteenth street. New mirrors, a fountain and other additions make the effect light and pleasing.

John McIntyre, with Edward Reid, has made several flying business trips up the state lately.

Leo Niessen is receiving Beauties from A. Farenwald, of Hillside.

Eugene Bernheimer has just returned from a trip to Lancaster.

John McKeefery, with H. Bayersdorfer & Co., has just returned from his wedding trip.

The Florists' Club meeting on Tuesday was devoted to expressions of opinion on the Milwaukee convention and felicitations on the triumphs of the bowlers.

The Flower Market is to be congratulated on the successful termination of the negotiations to remain in the present quarters. President Heacock and Manager Meehan deserve great credit for the excellent arrangements just completed.

Lincoln I. Neff, who runs several stores in Pittsburg, was a visitor lately.

Whelen, of Newtown, has his Brides and Maids in very fine shape this season. Several houses of carried over plants look as promising as the young stock.

The Thorn Hedge Greenhouses, Frank S. Jackson, manager, have a fine stock of Pandanus utilis.

George Waterfield has started his house of callas, which give promise of great things next winter.

C. Eisele is sending some flowers of his Begonia Humboldtii to the Flower Market. The blossoms are very pretty for design work.

The statice wreath of H. Bayersdorfer & Co., described last week, resembles Scotch heather, not holly as incorrectly written.

Robert Glass, who is with Leo Niessen, is to be congratulated on the arrival of a welcome little stranger.

John Young, of C. Young & Sons, of St. Louis, was a visitor last week.

Julius Riels, the well known florist of Fifth and Grand avenues, died last week. PHIL.

BOSTON.

The Market.

Summer in the flower business, late fall in the coal bin! Even the leaves on the trees are taking notice; many are yellowing and dropping off, and the appearance of autumn blooms in the fields and by the waysides hints that there is really something behind these signs. Better hurry along the belated summer work. It is dangerous to be behind hand in any line in these days of swift competition, and more so in the flower business than

in any other. The behind-hand florist is directly competing with experts in his own line who are fully up to date and some of them just a page or two ahead of the times. For instance Sam Goddard is the Lou Dillon of the chrysanthemum business. He breaks his own New England record four days this year by bringing in a dozen August 25, and following it up in a limited manner.

There is some remonstrance against average prices, but good material is generally selling at fair rates. There is, however, a decided droop on the Shamrock and a better movement in mayflowers, golden rod, columbine and other distinctly American specialties in which we can always place our Reliance.

Notes.

Have you noticed that Iliffe evidently patterned his system of heating the market by the elevated railroad? Part of the time it is overhead and then underfoot. The first time greenhouse methods have been introduced in a Boston business block, I am told.

A slip of the pen last week gave the wrong hour for the auction sale of stalls at the flower market. It comes off Saturday, September 12, at 9 a. m., and there is much speculation as to the results in a room big enough to hold all comers. But the new location seems to be a success all right. Can anyone name a customer who frequented the old market and does not come regularly to the new?
J. S. MANTER.

ST. LOUIS.

The Market.

Business is reported as having been pretty good the past week, consisting altogether of funeral work. There is no trouble to get stock, as everything is very plentiful, though mostly of the poorer grade. First-class stock is still scarce and will continue so until cooler weather sets in. We have had a few good soaking rains of late, which will help outdoor stock greatly. The opening of the schools next week and the return of the summer vacationists should improve business, especially the transient trade of the downtown stores. Some of the wholesalers report that shipping trade is again good and that quite a few shipments were made the past week.

Among the best roses that are in the market are Bride, Kaiserin, Carnot and Meteor. The very best of these bring \$5 to \$6 per 100. Seconds are sold at almost any price, as there are too many of them in the market at present. A few good Beauties are also seen, but not with extra long stems. The best sell at \$2 per dozen, and from that they range down to \$4 per 100. Good carnations are still scarce. Field-grown stock is small and short-stemmed and not fit for cut flower work. For these 50 and 75 cents per 100 is considered a big price. A few good Hills bring \$1. No good Daybreak or reds are in the market. Asters are very plentiful, with only the long white and purple in demand, at \$1.50 per 100, and 50 cents is all the small ones bring. Tuberose stalks are plentiful; in fact, there is an overstock, which is also true of gladioli. The "tubes" bring \$3 and the "glads" only \$2, and they are still cheaper in 1000 lots. The demand for other outdoor stock is poor, with plenty of everything in the market. There has been quite a demand for smilax and the market seems to be well supplied with it.

Various Notes.

During the past week we have had quite an array of visitors. Among the first was Col. Paul Berkowitz, of H. Bayersdorfer & Co., Philadelphia, with a well-filled order book. Then came J. Stern, from the same town, selling wax floral designs. L. Baumann, of Chicago, was next, with decorative articles. All report good trade in their lines since the convention. George Vestal, of Little Rock, and William Bastien, who is with George M. Kellogg, at Pleasant Hill, Mo., also made friendly calls on the trade.

Robert F. Tesson, who took sick in Chicago after the convention, is up and around again at his home in Clayton.

The decorations made by Carl and Robert Beyer at the twenty-first harvest festival held at Lemps Park were again the feature of the big display. The affair lasted two days, Sunday and Monday, August 30 and 31.

Mr. and Mrs. Fred C. Weber are expected home this week from Michigan, where they went from the convention. During their absence Fred, Junior, is taking good care of everything that comes in.

C. C. Sanders' places on Delmar avenue and on Henley road are in fine shape for the coming season and he expects to be well supplied with fine roses, carnations and chrysanthemums for his home trade.

At Frank Fillmore's place everything is in fine shape. His roses and carnations are looking at their best. Frank had to do jury duty the past week, which he says is too much bench system for him.

The September meeting of the Florists' Club will be held next Thursday afternoon at Fred Ammann's place in Edwardsville, Ill. The meeting will open promptly at two o'clock and the members are requested to meet at twelve at the bridge entrance to take the Lansdown car. President Dunford expects a large attendance, as the meeting will be of great importance to all the members. The installation of officers will take place. An essay will be read by Frank M. Ellis on "Trade in Cut Flowers the Past Season." The convention delegates will tell of their experiences at Milwaukee and Chicago, of how they captured everything except the bowling match. It is also expected that the new officers will put the machine in operation at once for the convention next year. Brother Ammann promises a good time for all, so don't fail to attend and take part in the proceedings.

Bowling.

The first bowling since the convention occurred last Monday night at the Blue Ribbon alleys, just to show what we can do at our home alleys:

Player—	1st.	2d.	3d.	Total.
C. A. Kuehn....	183	243	212	638
J. J. Beneke....	184	218	159	561
Carl Beyer.....	184	160	168	512
Theo. Miller....	146	179	165	490
F. M. Ellis....	147	146	137	430
Fred Weber, Jr..	122	105	145	372
F. J. Meinhardt..	136	103	92	331
J. J. B.				

HAMMONTON, N. J.—Watkins & Nicholson are building a new palm and fern house and enlarging their carnation house.

CLYDE, O.—W. E. Hall has torn down two of his old houses and will build one modern structure in their place.

CHICAGO.

The Market.

The hot weather forced out the roses and resulted in an unwieldy supply of soft stock, but the few cool, rainy days changed all that and cut down the crops to a surprising degree, so that receipts have been light this week. There are still enough of the low grade flowers, but shipping demand has taken a spurt and the wholesalers have had to do a great deal of hunting to find satisfactory material for their orders and in some instances, it was impossible to fill them even in part. Beauties of the 20 and 24-inch lengths are in good demand and hard to get.

Carnations from indoors are again coming along and the supply will show a steady increase. Of course the stems are short as yet, but the stock is good for so early, it having been a very favorable season. Some excellent Semple's asters are in and selling fairly well. There are still quantities of the low grade stuff, which is hard to get rid of at any price. Good auratum lilies are still to be had, but much of the receipts in this line, too, are poor and hardly salable. Gladioli continue in heavy supply, but few dahlias are seen and these few sell slowly. Greens of all kinds are equal to all requirements.

Various Notes.

C. L. Washburn and family returned yesterday from Wausaukee, Wis.

E. E. Pieser says that he does not remember a duller period than from August 18 to 30, but that business opened well this week.

F. Stielow, at Niles Center, grows his carnations in brick clay, composted a year before use with almost an equal part of manure. White Cloud, in this soil, is a very good keeper.

A bed of Egandale canna at Lincoln Park, is attracting much favorable comment.

P. J. Hauswirth goes to Atlantic City next Wednesday for the Red Men's annual pow-wow.

George Piepgrass is at Mercy Hospital, recovering from a surgical operation.

C. M. Dickinson has been in northern Wisconsin for a few days with Mrs. Dickinson and their boy.

Robert Northam is now salesman for M. Winandy, at the Growers' Market.

Louis Wittbold was at Wheeling, Ill., this week to bring home his wife and boy, who have been visiting Mrs. Wittbold's parents there. The little one has been quite ill.

George Weiland, of Evanston, will be married September 8 and will leave with his bride for a trip to the Pacific Coast.

Jacob Phillip, who has been growing vegetables at Rogers Park, has benched 28,000 carnation plants and will send his cut to John Muno's city salesroom.

Mrs. Horton is again on duty at Bassett & Washburn's after a trip to New York.

A. L. Randall is harvesting his peaches in Michigan and sending over a good crop.

The Libertyville fair is receiving the attentions of the north shore florists this week.

J. A. Budlong is at home again, having ridden his bicycle to Providence, R. I., and most of the way back again. When within a short distance of Chicago he found the roads too muddy for

wheeling and was obliged to resort to the train.

The closing hour is again 6:30 p. m.
Visitors: S. M. Wyatt, Watseka, Ill.;
Fred. C. Smith, Ashland, Wis.

NEW YORK.

The Market.

The condition of business at the present time is an exact counterpart of last week's report, after one of the worst fortnights of the year. But the end of all things discouraging approaches and before we know it schools will open, theaters will again demonstrate their value to the trade and the return of the "600" from country resorts will begin. Already signs of autumn appear. Violets are in the market, chrysanthemums will soon be with us, and fall shows and well-stocked retail stores before another moon. New coats of fresco ornament the walls and ceilings, and both wholesalers and retailers are getting ready for the good times when the discouragements of the unprofitable summer will be forgotten.

Various Items.

Charlie Carlin, of Thorley's, is back from the mountains and the season may be safely said to have begun.

Small's windows are very attractive this week, one with a fine display of *Nymphæa Devonensis*, and the other banked with Anna Foster ferns.

The yacht races are about over and their influence caused hardly a ripple on the floricultural sea. A good active, rising market down on Wall street would do more for the flower business in a day than all the yacht races ever sailed.

Employers and employes have about all had their turn at outings, and have come back, brown and healthy, for another try at the battle of life.

A. Warendorff has been summering at Avenne-by-the-Sea.

The New Jersey Cut Flower Co. will open its wholesale department on September 15.

Alex. McConnell, of Fifth avenue, received orders for two fine wreaths this week from J. Ogden Armour, of Chicago, and Lolita Armour, whose recovery through the agency of Dr. Lorenz made her famous. The designs were made of cattleyas, cypripediums and valley and were very handsome. This firm had the decorations for the Alcock wedding at the Holland House last week, using many palms, American Beauties, Bridesmaids and valley, and keeping the display intact for many days.

A large clock of handsome design, and abundant fresco work, make the Fifth avenue store of Thomas Young, Jr., as good as new.

J. H. Troy, of the Rosary, has many interesting stories to tell of his trip abroad, and looks several years younger since he visited the scenes of his youth. He must have some good neighbors near his new store at Thirty-fourth street, as he has the street decorated with bays, bamboos and topiary work nearly from Fifth avenue to Madison.

A communication from Wm. Elliott rejoices in the wresting of the silver loving cup from the Boston Club by the New Jersey Bowling Green Club, of which he is a member, after a three years' struggle. The match was played on the grounds of the Boston Curling Club, Cambridge, Mass., and he says the

Jerseyites made their opponents "look like 30 cents."

A card from John Nash, dated Paris, indicates a very happy European trip and an early return to the activities of the Coogan building. Mr. Nash will reach New York early the coming week.

All the European travelers are returning. Mr. and Mrs. Vincent, of White Marsh, Md., have already arrived at their southern home.

Nearly all the wholesalers are now receiving shipments of violets, and may be said to be "rushing the season," as the demand is very limited. With the opening of many theaters next week a market will doubtless be provided for all first-class stock that reaches the city.

H. E. Froment, bookkeeper at W. Ghormley's, is away for a two weeks' holiday in the mountains.

The weather for five days has been as little like the delightful brand furnished at Milwaukee, as conventionists can imagine. From the sunny climate of Chicago, even with its 90 degrees of humidity and heat, the transition to the storm and cold of the metropolis was distressing. Five days of chilling rain and a storm that strewed the shores of the Sound with wreckage was an unseasonable welcome home to those who tarried by the way. But a delightful September and October are promised in reward for this "year without a summer," and no more charming autumns are enjoyed on the continent than right here in old New York, the delightful temperature often reaching beyond the Christmas holidays.

Frederick Zahn, who has for some years conducted a successful florist business at 70 West One Hundred and Twenty-fifth street, Harlem, has removed to 2603 Broadway, near Ninety-eighth street, a splendid part of the city, where opportunity for a bon ton clientele is unsurpassed.

J. AUSTIN SHAW.

WAVERLY, MASS.

Death of Frederick Law Olmsted.

Frederick Law Olmsted, the noted landscape architect, died here August 28, at the age of 81. Mr. Olmsted has left the impress of his genius on many of the finest park systems of the country. He it was who laid out the World's Fair grounds in Chicago in 1892—a scheme of landscape gardening which drew forth unstinted praise from artists of the old and new world. He created the schemes for Central park, New York; the South Park system, Chicago; Prospect park, Brooklyn; the Boston park system, Biltmore, at Asheville, N. C., and many other important works. Boston in 1901 perpetuated Mr. Olmsted's name by uniting Lavarett and Jamaica parks and renaming the new vista Olmsted park.

Mr. Olmsted was born in Hartford, Conn., in 1822, and studied engineering at Yale in 1845 and 1846. After a few years spent in practical farming he made, in 1850, a pedestrian tour of Great Britain and the continent of Europe. A few years afterward he took another journey through France, Italy and Germany. In 1856 he began the work of preparing the plans for the building of Central park, New York. Four years were devoted to the superintendency of the execution of those plans, and Mr. Olmsted returned to Europe for a brief stay.

For two years the great outdoor artist worked in California as a member of the commission having in charge the National park of the Yosemite, and on his return to New York in 1866 he began to plan Prospect park, Brooklyn, in association with Calvert Vaux.

Almost to the time of his death Mr. Olmsted looked like a man in the prime of life. His journeyings abroad, his long rides on horseback through the south, and his love for outdoor exercise gave him a constitution like iron. He had a summer home on Deer Isle, Me., which he seldom left before Thanksgiving. Mr. Olmsted is survived by his wife, a daughter and his sons, who are following their father's profession at Brookline, Mass.

TROUBLE WITH CYCAS.

We have cycas on which the old leaves turn yellow as soon as a new whorl grows. They have had plenty of heat and water. Shall we feed them?
J. J. L.

A cycas in good health should hold its foliage for two years, and if the plants in question are not newly imported stock and are well-established, it would seem as though it were a case of starvation. Supposing such to be the case, it would be beneficial to give them some liquid manure of moderate strength about once a week, though repotting would be more permanently helpful. With newly imported cycas stems there is sometimes a loss of foliage from defective or insufficient root action, and in the latter condition overwatering might aggravate the trouble.

W. H. TAPLIN.

FUNERAL FLOWERS.

A Washington publication, The New Century, prints the following:

A correspondent asks us "to attack" the custom of lavishly displaying garlands and "set pieces" of flowers at funerals. We should be glad to oblige our correspondent if we thought "attacks" on this sort of thing ever did any good.

It is natural enough that bereaved friends, kindly acquaintances and sympathetic neighbors should wish to offer some beautiful tribute to the dead, and flowers are the most appropriate possible symbols of love and hope. It is not true that the offering of flowers in memory of the dead is a "Pagan custom," as our friend says, in an un-Christian sense. Everything in Paganism was not antagonistic to Christian sentiment. If the rose was a symbol of Venus, Christians have made it a symbol of the Blessed Virgin; and it is no unusual thing, in Christian symbolical pictures, to see lilies left in the tomb of the Immaculate, as she ascends to Heaven. Whether a man be Pagan or Christian, the natural desire to reverence the dead, to show love for them, springs in his heart; it must take some form, and, in all ages, especially in the case of the young, it has taken the form of a tribute of flowers.

The offering of flowers at the grave of the dead is a beautiful and human custom. It is perfunctory, if it becomes a mere matter of fashion, if it loses its simplicity and taxes those who can not afford it, then its abuse ought to be restrained by those whose position ought to make them an example to others.

Wm. F. Gude states that the editor published this matter without reference to any florist and that it nearly escaped notice, but on being called to the attention of the Washington Florists' Club the following resolutions were adopted:

Whereas, the New Century, a weekly paper published in this city, has given expression through its editor favoring the use of flowers at funerals and other memorial occasions, evidencing by his editorials not only his broadness of views, but also his love for the beautiful.

Therefore, be it resolved by the Washington Florists' Club that the thanks of this association are due and are hereby tendered to Hon. D. I. Murphy, the editor of the said paper. Resolved, that a copy of these resolutions be forwarded to the New Century and inscribed on our minutes.

Thought of Fall Stock

Should bring to mind the fact that
M. RICE & CO. IS THE LEADING
 Florists' Supply House
 Who are fully prepared in every detail
 to supply your wants.

Quality and Price always Guaranteed

M. RICE & CO.

The Leading Florists' Supply House. RIBBON SPECIALISTS.

918 Filbert Street, PHILADELPHIA.

SAN FRANCISCO.

The Market.

Everything in the flower line has given way to the aster for the past two weeks. I have never seen them so plentiful or so cheap as they are at present. Good flowers, with long stems, can be bought at from 50 cents to \$1 per hundred and the florists are using them in vast quantities to fill up their windows. Roses are not very plentiful but there are just about enough to supply the demand, which is not heavy. A good deal of mildew is noticeable on most of them. Carnations are equal to all wants and can be bought at a low figure. All kinds of outdoor stock is plentiful, including Japanese lilies. Business is only fair and, although we had about 25,000 visitors during the last week, none of the florists seem to have been enriched to any considerable extent. What business was done was principally in the line of festooning and window decorating.

Various Notes.

The death of Dr. Charles B. Brigham removes one of the most enthusiastic growers of plants on the coast. The scientific cultivation of flowers, especially tuberous begonias, gloxinias and ferns, occupied much of his time. Dr. Brigham was well known by all the craft and his demise is universally regretted.

A visit to the greenhouses of E. T. McLellan, at Burlingame, shows everything in apple-pie order. Fifteen men are employed on the place and the

planting for next winter is just about completed. A large batch of valley was noticeable; this firm has been very successful with this popular flower. Everything on the grounds has a thrifty appearance and bespeaks a big harvest later on.

I saw several large cases of Liliun Harrisii opened today by a local seed house. They were in good shape and were sent out by W. W. Barnard & Co., Chicago.

The Department of Agriculture at Washington will spend a large sum in the purchase of land in California for the cultivation of plants and seeds, and buildings for their housing. The determination of the department to provide for this enterprise became known this week through the announcement of Professor Arnold V. Stubenrauch, of the horticultural department of the University of California, as one of the committee of two to select a site for the proposed station. The appointment was made by Dr. A. J. Pieters, head of the division of plant introduction and seed distribution of the Department of Agriculture, with whom Professor Stubenrauch recently toured the state. P. H. Dorsett, of Los Angeles, was appointed the other member of the committee, who will be called upon to select a site of 100 acres in some fertile and well irrigated spot. G.

ENCLOSED find the final payment on my Florists' Manual, by Wm. Scott, and permit me to say I never invested \$5 in a better way.—E. V. BUSHONG, Edger-ton, O.

A. J. FELLOURIS,



Wholesale and Retail
 Dealer in all kinds of
EVERGREENS.

GALAX, Bronze or Green.
 \$1.00 per 1000.

FERNS, Fancy, \$1.50 per 1000.
 Dagger, .75

468 Sixth Avenue, NEW YORK

Between 28th and 29th Streets.

Telephone 1431 Madison Square.

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Commercial Violet Culture.

BY B. T. GALLOWAY.

This is the Second Edition of this very successful book, revised and brought up to date. Fully illustrated and handsomely printed.

Sent postpaid on receipt of \$1.50.

FLORISTS' PUBLISHING CO.

520 Caxton Building,
 334 Dearborn St.,

Chicago.

LOW PRICE! QUICK PROFIT! The Anna Foster Fern.

Small 3 to 4 frond plants \$10 per 100, \$30 per 1000. Beautiful plants cut from bench at \$35, \$50 and \$75 per 100. Pot plants, 3-in., \$20 per 100; 6-in. \$1, 7-in. \$2, 8-in. \$3 each. 10,000 KENTIA PALMS
 L. H. FOSTER, 45 King St., Dorchester, Mass.

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How can we serve YOU?

With better facilities than ever before, we shall push our business harder than ever this season. Our satisfied growers and customers are our strongest recommendation and what we have done for THEM we can do for YOU.

BETTER WRITE US ABOUT IT TO-DAY.

E. C. AMLING,

The Largest, Best Equipped and Most Centrally Located Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St.,
Long Distance Telephones 1099 and 1977 Central.

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AMERICAN BEAUTY, Per doz.	
24-inch stem.....	\$2.00
20-inch stem.....	1.50
15-inch stem.....	1.25
12-inch stem.....	1.00
Short stem.....	\$4.00 to \$6.00 per 100

Per 100	
Brides and Maids.....	\$3.00 to \$5.00
Meteors and Gates.....	3.00 to 5.00
Kaiserins.....	3.00 to 8.00
Carnations.....	1.00 to 2.00
Asters.....	.50 to 2.00
Auratum Lilies, per doz., \$1.25 to \$1.50	
Gladioli.....	2.00 to 3.00
Valley.....	4.00
Asparagus, per string, 25 to 50c.	
Asparagus Sprengeri.....	3.00 to 6.00
Ferns...per 1000, \$1.25.....	.15
Galax.....	1.50
Adiantum.....	.50 to .75
Smilax.....per doz., \$1.25.....	8.00

Subject to change without notice.

DETROIT.

The man who stops over only one day at Detroit makes a mistake, for no city has more attractions nor develops a sincerer welcome. My call was especially made to see at its home the new rose which J. Breitmeyer's Sons will place on the market the coming season. All the fall exhibitions will see it in all its glory. As you know, this great acquisition originated at Grand Rapids five years ago, its parentage being Bridesmaid and Test-out. From a stock of 1,900 plants in 1902 the firm has now in grand growth over 16,000 from which to cut and propagate. This shows the faith the Breitmeyers have in the variety. In fact, orders have already been booked for nearly 100,000 plants, and the first year's sales are expected to total half a million. The rose is a wonderful propagator, strong, an easy grower, free from mildew, makes no blind wood, has the tea habit, every blind shoot the same as Beauty, eventually bringing a bud. The rose has not yet been christened, and \$100 in gold will be offered as a prize to the one who furnishes the most appropriate name, a committee of Detroit ladies passing upon same.

Mr. Dorner, of La Fayette, Mr. Foley, of Chicago, and Mr. Rackham were guests with me of the genial Fred, at Mt. Clemens, on Tuesday. Five miles out from the city J. F. Sullivan's ranch looks bright and prosperous with its wealth of Golden Glow and asters, and its greenhouses in apple-pie condition. Mr. Sullivan is installing a new water system, which will end anxiety as to the moisture supply in the future. His store has been modernized since I saw it a year ago, and is now "one of the finest." The business seems to be always booming there and Mrs. Sullivan grows younger as the ducats increase. Norman is a chip off the old block, and has completely outstripped his paternal parent as a bowler.

B. Schroeter seems to be making substantial progress, and Mr. Breitmeyer's corner looks just as superb and the welcome of the force is just as warm as it has been for many a year. There has been no change in the lieutenants, ladies and gentlemen, for an age. I don't see how Phil manages to keep the gentler sex department intact so long. But the president is a good man to tie to! His elec-

The Boston Co-Operative Flower Growers' Association.

163 COLUMBUS AVE., BOSTON.

The ANNUAL AUCTION SALE of choice of stalls in the Boston Flower Market will take place

Saturday, September 12, 1903,
at 9 o'clock A. M.

GEORGE CARTWRIGHT, Treas.

tion was a popular one, and the trade in Detroit all appreciate the confidence shown by the S. A. F. in conferring on their brother citizen the highest honor in its power.

The Detroiters, under the leadership of President Rackham, are preparing for the great carnation convention next March. Prizes are to be numberless. Brother Foley contributed \$75 for the purpose, while sampling that ten-year-old domestic wine at Fred's last Tuesday.

J. A. S.

ROCHESTER.

The flower business seems to be holding its own in Rochester. A brief call at Salter Bros., Keller's and Wilson's found all overwhelmed with funeral work, many of the designs being packed for shipment to adjacent towns.

The asters grown here are as fine as any in the country, and very abundant.

George F. Boucher has opened a neat store in connection with James Vick's Sons, on Main street, and should do well.

The auction of the E. R. Fry Co.'s effects was concluded on Thursday.

Vredenburg & Co. have completed their five-story brick building, 75x115, on South avenue, overlooking the Genesee, and now have one of the best lithographic and printing establishments in the country, devoted entirely to the interests of the horticultural trade.

J. A. S.

PLEASE let us know when our REVIEW subscription runs out, as we want to never miss a paper.—WATKIS & NICHOLSON, Hammonton, N. J.

Zirngiebel GIANT PANSIES

Hugo Jewels of Velvet and Gold. (Boston Transcript)
The finest strains in cultivation, either here or abroad. Trade packet at \$1.00 each. Also plants for sale at \$5.00 per 1000.

DENYS ZIRNGIEBEL, Needham, Mass.
Mention the Review when you write.

Asparagus Sprengeri

2-inch pots.....	\$2.00 per 100
2½-inch pots.....	2.50 "
3-inch pots.....	3.00 "

We prepay express charges and guarantee satisfaction.

Burbank's Shasta Daisy seed, new crop. 20c 100 seeds; \$1.50 per 1000. Write for prices on lb. lots.

LOOMIS FLORAL CO., - - LOOMIS, CAL.
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Clearance Sale Rose Plants

4000 Meteors, 3 inch.....	\$25.00 per 1000
1500 " 3½-inch.....	30.00

BRANT & NOE, Forest Glen, Chicago, Ill.
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GRAND RAPIDS VIOLET STOCK.

Imperial, M. Louise and Campbell, 8-in. pots, \$4.00 per 100; \$35.00 per 1000. Campbell, 2½-in. pots, \$20.00 per 1000.

Chrysanthemums, \$20.00 per 1000.
Roses, Ivory, 3-in., fine, \$4.00 per 100.
Smilax, \$20.00 per 1000.

Crabb & Hunter, Grand Rapids, Mich.

Mention the Review when you write.

NURSERY NEWS.

AMERICAN ASSOCIATION OF NURSEYMEN.

Pres., N. W. Hale, Knoxville, Tenn.; Vice-Pres., F. A. Weber, St. Louis; Sec'y, Geo. C. Seager, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-eighth annual convention will be held at Atlanta, Ga., June, 1904.

THE W. P. Bates Nursery Co., Winfield, Kan., has increased its capital stock from \$15,000 to \$25,000.

CHAS. FREMD, the veteran nurseryman, of Rye, N. Y., suffered the fracture of both legs in a runaway accident August 17.

CELTIS OCCIDENTALIS makes a good street tree and will outgrow quite severe bruises and withstand protracted droughts.

A TRIAL planting of Ginkgo triloba on a street in Boston, according to J. A. Pettigrew, bids fair to prove its value for this purpose.

RICHMAN & MILLS, Fullerton, Cal., have taken a contract for 300,000 Eucalyptus rostrata to be planted on the Dwight Whiting ranch at El Toro.

THE dividing and shipping of peonies is now the order of the day with the big growers. The growing season has been unusually favorable in the west.

THE Southern Nurserymen's Association, in session at Winchester, Tenn., August 20, elected the following officers: President, J. T. Hood, Richmond, Va.; vice-president, H. B. Chase, Huntsville, Ala.; secretary-treasurer, J. C. Hale, Winchester, Tenn. August 21 was spent at Huntsville as guests of W. F. Heikes and the following day with Chase Bros.

If the catalpa is planted in too rich soil it sometimes makes more wood than it can ripen; otherwise it is hardy as far north as Concord, N. H.

A. T. GOLDSBOROUGH, the strawberry grower, near Washington, D. C., uses an elaborate score card in culling out seedlings. He scores by points, giving the plant a total of 40 as against 60 for the fruit.

THE Peterson Nursery, Chicago, has prepared plans for the landscape treatment of the ten-acre grounds surrounding St. Mary's Academy, Notre Dame, Ind., and closed a contract for the work, amounting to a little over \$10,000.

J. H. HEMINGWAY, superintendent of parks at Worcester, Mass., disagrees with the general run of tree planters. He says: "Bear in mind that the tree has been disturbed, received a shock, it is very sick. You do not want plum pudding and roast the first thing after a long sickness; well, then, do not give it to your tree in the shape of strong loam; do not cover the roots or allow them to touch it at all. Cover it first with the poorest material that you dig out in working the hole, and cover the roots with the same. Make the tree struggle for a living (on the same principle as the cutting bench). Strong loam causes a fungous growth and decay sets in."

PATRICK O'MARA contributes a handsomely illustrated article on Hardy Bulbs for Fall Planting to the September issue of Country Life in America.

DES MOINES, IA.—Charles J. Brandtman asks the city to pay him \$2,200 for damages caused by water backing up from a culvert and flooding his green-houses.

Seed Trade News.

AMERICAN SEED TRADE ASSOCIATION.

Pres., S. F. Willard, Wethersfield, Conn.; First Vice-Pres., J. Chas. McCullough, Cincinnati, O.; Sec'y and Treas., O. B. Kendel, Cleveland, O. The 23d annual meeting will be held at St. Louis, Mo., June, 1904.

DUTCH bulbs are soon due and the report is that the crop is rather undersized.

ROGERS BROS., seed growers, at Alpena, Mich., have incorporated; capital stock \$75,000.

THE Harrisii crop has proven equal to a small surplus after advance orders were filled.

COOL weather the past week retarded corn in the northern district, according to the government crop report.

JULES POSTH, for many years with the French seed house of Vilmorin-Andrieux & Co., died August 14, aged 70 years.

S. B. DICKS is at Boston, recovering from an operation for appendicitis. His son, G. H. Dicks, is expected to arrive from London on Saturday.

ONE Nebraska seed grower reports a complete failure of Giant of Pera and Snake cucumber, Jersey Belle and Jenny Lind muskmelon and Japanese pie pumpkin.

THE Walker Seed Co. has been incorporated at Oklahoma City, Okla., with \$15,000 capital stock, by W. O. Church, Clyde H. Walker, J. M. Martin and A. J. Lowenthal.

CUSTOMERS are beginning to be impatient over the French bulb situation, but importers are unable to afford definite information as to when deliveries may be expected.

ALFRED EMERICH, of Vilmorin-Andrieux & Co., Paris, France, will reach New York September 9 for his annual tour of the United States. He will be accompanied by Mr. d'Estienne, of his house.

THE David Seed Co., at Cincinnati, has been licensed to incorporate with \$20,000 capital stock. The incorporators named are W. W. and Mary G. Millar, Benj. and Annie E. David and Wm. Buchanan.

THE Whitney-Eckstein Seed Co. advises that when red clover is to be grown with grasses the seed should be sown by itself, as it is so much heavier than any of the grass seeds that they cannot be sown evenly if the seeds are mixed before sowing.

THE Chicago Tribune of August 20 contained an interesting illustrated write-up of the L. A. Budlong farms, where they employ as high as 1,200 people doing the harvest of onion sets and cucumbers for pickles, paying them off in cash within twenty minutes of the close of each day's work.

C. P. COY & SON, Waterloo, Neb., say in a circular letter August 25: Cucumbers will average fair. It now looks as though contract orders on most kinds will be filled with little or no surplus in sight. It has been too wet for melons and they will be very spotted, many cu-

75,000 Pot-Grown Strawberry Plants

If planted now will produce a full crop of **LARGE LUSCIOUS STRAWBERRIES** in 1904. We have these in stock in fifteen of the best varieties. Submit your list of wants for special low quotations.

T. J. DWYER & SON, Orange County Nurseries, CORNWALL, N. Y.

Mention the Review when you write.

Peterson Nursery,

164 La Salle St., CHICAGO.



PEONIES

And HARDY ORNAMENTAL STOCK.

Write for illustrated price list.

Mention the Review when you write.

W. & T. SMITH COMPANY, GENEVA, N. Y.

Wholesale Growers of Ornamental Trees, Shrubs, Roses, Clematis, Fruit Trees, and Small Fruits in great variety.

Send for our Wholesale Price List.

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VREDENBURG & CO.

ROCHESTER, N. Y.

Lithographing, Printing, Engraving.

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SEEDSMEN and NURSEYMEN

Sample Colored Plates free—Send for Catalogue

UNEQUALLED FACILITIES

Mention The Review when you write.

American WHITE ELM

Nursery Grown Transplanted Trees.

Best Trees for Park and Boulevard.		Each
25,000 White Elm	2 to 3 in. diam.	\$1.00
5,000 White Elm	3 to 4 "	1.50
1,000 White Elm	4 to 5 "	2.50
1,000 Hackberry	2 to 3 "	1.25
250 American Linden	2 to 3 "	1.25
50 European Mt. Ash	2 to 3 "	1.50
1,000 Hardy Catalpa Speciosa	4 to 6 ft. high.	10c
1,000 Russian Mulberry	5 to 7 "	10c
500 Russian Mulberry	8 to 10 "	25c

Thirty-one years' experience growing Nursery Stock in Minnesota. Send for Price List.

Address **CHAS. HAWKINSON,**

EXCELSIOR, MINN.

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Send to **THE MOON**

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For { Trees, Shrubs, Vines,
Your { and Small Fruits.

Descriptive Illustrated Catalogue Free.

THE WM. H. MOON CO.,

Morrisville, Pa.

Mention the Review when you write.

SUZUKI & IIDA

LILIUM HARRISII!

SPECIAL PRICES ON APPLICATION.

31 BARCLAY ST.

NEW YORK.

Mention the Review when you write.

tire failures and more shortages. Summer squash promise well, as do some fields of winter squash. In fact, the latter are very good, but acreage is small, owing to back-sets and discouragements early in the season. The early varieties of corn are coming on well, but the later kinds are yet uncertain, and will depend on weather in September.

RECENT DECISIONS.

Where a contract for the sale of seeds was silent as to where the seeds were to be weighed, it was competent to show a custom among dealers in seeds at the place of delivery not to accept Chamber of Commerce weights.—*Gehl v. Milw. Prod. Co.* Supreme Court of Wis.

Where one agrees to buy of another all that part of a crop to be raised which reaches a certain standard as to quality, and he accepts a part of the crop, he may refuse the remainder, if it falls below such standard, even though a part of those accepted fell below it, and he had full knowledge thereof.—*Norfolk Beet Sugar Co. v. Berger.* Supreme Court of Nebraska.

A telegraph company which receives a message for transmission agrees to transmit it accurately, and is answerable for any damage produced by its delay or mistake, if the loss was one which was either expressly contracted against, or was within the expectation of the sender and the telegraph company as likely to result if delay or mistake occurred.—*Abeles v. Telegraph Co.*, 37 Mo. App. 554; *Melson v. Telegraph Co.*, 72 Mo. App. 111.

CINCINNATI

The Market.

The hot spell is at an end and the temperature is down as low as 50 degrees at night. The quality of stock has improved as cuts were reduced. The keeping qualities of roses are especially benefited, and there is much more stock that will do for the shipping trade. As the supply of outdoor stock diminishes, the shipping trade increases and there is quite an active out-of-town demand. Several of the retailers were very busy with large funeral orders, and the general report is that business is unusually good. Altogether it turned out to be by far the best August we have ever known.

Stock, both housed and in the field, is looking remarkably well this year, and growers are predicting great things. The season was very favorable for carnations, and the plants are fine. Roses, likewise, are in good shape. Chrysanthemums are coming along fast, and it looks as though several varieties will be in very early. The present cool spell will check them somewhat, so that they will not be in before the market is ready for them.

Stock quotations are very much the same as last week, though the supply is not so large, especially roses. If the

Burpee's Seeds Grow

SEEDS

THE ALBERT DICKINSON CO.

Timothy, Clovers, Flax, Hungarian, Millets, Red Top, Blue Grass, Lawn Grass, Orchard Grass, Pasture Mixtures, Bird Seeds, ENSILAGE CORN, POP CORN, BUCKWHEAT, BEANS, PEAS, ETC. COTTON GRAIN BAGS. CHICAGO ILL.

Winter Flowering SWEET PEAS

Seed for forcing only.

ZVOLANEK'S CHRISTMAS—PINK.
FLORENCE DENZER—PURE WHITE.

Price—One pkt., 75c; 1 lb., \$2.50, mailed free. Not less than 75c worth will be sold. Sold only in my original packet, with directions. Stock seed of this variety is carefully selected in my greenhouses from stems over 14 inches long. These two varieties, if sowed the first part of September, will bloom for Christmas. When planted in December, after latest mums, will bloom in February. New crop ready middle of August. Orders booked now and filled in rotation.

ANT. C. ZVOLANEK,
GRAND VIEW, N. J.

Money Orders: Sommerville, N. J.

Mention the Review when you write.

present conditions hold out, much better prices may be looked for in the near future.

Various Notes.

The forty-eighth annual fair of the Hamilton County Agricultural Society drew out a warm competition for floral honors between George & Allan and J. T. Conger. Considering the season of the year, very creditable displays were made. Mr. Conger captured most of the prizes for plants and George & Allan did likewise on cut flowers. The display was the best seen at the fair for many years.

During a heavy windstorm last week Charles Jones' big plate glass show window was blown in. The loss was about \$200, but Mr. Jones carried insurance.

The entries for the Fall Festival flower shows are now closed. Every class will be warmly contested, and I believe that these shows will bring together the finest lot of flowers even seen at this time of year. I would advise all florists who intend visiting the festival this year to be sure to be present on flower days. The first show, September 10, will be devoted entirely to cut flowers and plants, the second, September 17, to table decorations. I venture to say that the table decorations will be the finest ever seen in this city.

Wm. Murphy is now on his way to Snow Island, where he will spend several weeks. He will be joined later by C. C. Murphy and daughter.

Visitors: B. Eschner, M. Reukauf and E. J. Fancourt, all of Philadelphia.

C. J. OHMER.

ESTABLISHED 1802.

Thorburn's Bulbs

Our Wholesale Catalogue of Bulbs and Flower Seeds for Florists now ready.

We have a large stock of extra fine strong bulbs of

Lilium Harrisii

Send for our prices before ordering elsewhere.

Dutch Hyacinths, Narcissus, etc.

Now Ready.

J. M. THORBURN & CO.

36 Cortlandt St., NEW YORK.



LONGIFLORUMS,

HARRISII,

FREESIA, OXALIS,

Now ready for delivery. CALLAS.

Annual Trade List of BULBS sent on application.

W. W. RAWSON & CO., Seedsmen,
12 and 13 Faneuil Hall Square, BOSTON.

CALLA AND BELLADONNA BULBS

FOR SALE.

California Nursery Co.,

NILES, CALIFORNIA.

CROP --- 1903

PANSY, SUPERB MIXED, unexcelled, 1/4 oz., 75c; oz., \$5.00.

CINERARIA, DWARF, finest mixed, pkts., 50c and \$1.00. CINERARIA, TALL, finest mixed, pkts., 50c and \$1.00.

BELLIS PERENNIS, Giant Red, White and Pink, pkts., 25c; 1/4 oz., 40c.

W. C. BECKERT, - ALLEGHENY, PA.

Mention the Review when you write.

SAMUEL S. PENNOCK,

Beauties.

Beginning with September 1st
we are open daily from
7:30 a. m. to 6 p. m.

Wholesale Florist,
1612 Ludlow St., PHILADELPHIA.

MONTREAL.

The fourth annual exhibition of the Lachine Horticultural Society is at an end, and the bright western suburb of Montreal can well be proud of the success achieved. The professional section was larger than ever before. The hall was more than well filled. The prizes were divided between C. A. Smith, C. McHugh, Ed. Gernacy, C. Pewtress and Gabriel Vreugde.

Recent visitors were Jas. Janssen, Berlin, Ont., and Mr. Palmer, of Brooklyn, who was the guest of Jos. Bennett.

G. V.

NEWPORT, R. I.—R. J. Grinnell reports a good season. Bedding plants were still selling at the middle of August.

OVERVEEN, HOLLAND.—Bodes & Lemkes, of Dordrecht, were given cultural commendation for Chrysanthemum Soleil d'Octobre exhibited before the Dutch Horticultural Society July 29.

MILWAUKEE, WIS.—Wm. F. Kasting, of Buffalo, and C. C. Pollworth left for the Indian reservation immediately after the convention, to indulge in a few days' recreation and incidentally to look over the bouquet green market. During the absence of Mr. Pollworth a meeting of the Milwaukee Florists' Club was held and he was re-elected president of the club for the ensuing year.

WANT ADVERTISEMENTS.

Advertisements under this head one cent a word, cash with order. Plant advertisements NOT admitted under this head.

Every subscriber is entitled to a free situation wanted or help wanted advertisement not exceeding 35 words in any one issue during the year. If the advertisement exceeds 35 words, send at the rate of one cent for each additional word.

When answers are to be addressed in our care, add 10 cents for forwarding.

SITUATION WANTED—By competent grower of carnations and potted plants; middle east preferred; take charge of small place or assistant in large one; age 37, married, small family; state particulars and wages. Address No. 166, care Florists' Review, Chicago.

WANTED—Good, bright, energetic young man for a first-class retail store one who understands greenhouse work, decorating and cut flower work thoroughly; state salary wanted and give references; World's Fair City. Address No. 165, care Florists' Review, Chicago.

WANTED—A good all-round florist; prefer one with some energy and temperate, also able and willing to buy or lease a money making business after a time; \$40.00 a month to start and house. Nitsche's Greenhouses, Dallas, Tex.

WANTED—A competent single man experienced in growing general stock of cut flowers and plants, who is capable of taking full charge of a place of 7000 square feet at times when proprietor is absent. Address B. F. Engle, Rochester, Pa.

WANTED—At once, a reliable, all-round man for commercial place; single and German preferred; reference required. Boehringer Bros., 325 Park Avenue, Bay City, Mich.

WANTED—Night fireman; steam boilers; state wages; references required. C. C. Pollworth Co., 451 East Water Street, Milwaukee, Wis.

WANTED—Man to take care of 1500 feet of glass, garden, lawn, horse and do other chores; must be sober and reliable; pay \$30.00 per month, board and room. J. P. Esch, Huron, Ohio.

FOR SALE—Hot water boiler nearly new, good to heat 2500 feet of glass or less; price \$50.00. F. O. B. Chicago, Ohio. John Klunk, Chicago, O.

FOR SALE—Cheap for cash, one Scollays No. 5 Hot Water Heater, in excellent condition, with 800 feet of 4-inch cast iron pipe, fittings, expansion tanks, etc. Rosemont Gardens, Montgomery, Ala.

FOR SALE OR RENT—On easy terms 5000 feet of glass in a good factory town of 5000; no competition; other business. J. R. Johnston, Dunkirk, Ind.

FOR SALE—well-established wholesale and retail bulb and plant business. Ten acres of ground; 5 acres in cultivation. Two greenhouses, 2,000 square feet. Large warehouse, 35x45; large barns, all newly built; eight-room dwelling and other out-houses. Some very useful stock. Eleven miles from New York City. A grand opportunity. Address No. 167, care Florists' Review.

FOR SALE—Retail greenhouses; long established; first-class reputation; about 3,000 feet of glass; connected with two tenement dwellings; hot and cold water; in center of town; one minute from depot; two railroads; in active, growing town of about 9,000 people; must sell; a bargain; low for cash. Death of proprietor reason. The N. A. Chase Greenhouses, Winsted, Conn.

WANTED—Capital to increase glass area in a well established business, in town and neighborhood of 10,000; no competition. Would take partner with necessary capital. P. O. Box 148, Greenport, L. I. N. Y.

WANTED—Three experienced rose growers who know their business and will work to merit advancement. Good salary paid if ability is shown. Poehlmann Bros. Company, Merton Grove, Cook Co., Ill.

FOR SALE—Three greenhouses, over 3,000 feet of glass, clear cypress caps and bars, ventilating apparatus, etc., all in good condition. Cheap for cash. S. Pepper, Belvidere, Ill.

SITUATION WANTED—An experienced salesman and designer open for engagement on or before Sept. 15th; first-class store only. State wages. Address No. 145, care Florists' Review, Chicago.

WANTED—Young man with some experience in general greenhouse work. Permanent place and good wages paid. Address No. 123, care Florists' Review, Chicago.

FOR SALE—Wholesale florist's ice box, almost new, filled with granulated rock, lined with galvanized sheet iron; 8 feet wide, 5 feet deep, 9 feet high, in sections; \$30.00 f. o. b. Pittsburg. Fred Burki, Bellevue, Allegheny, Pa.

WANTED—Two single men for roses and carnations. Pittsburg Rose & Carnation Co., Crystal Farm, Gibsonia P. O., Pa.

FOR SALE—At big bargain about 5,000 feet of glass in a good factory town of 5,000; no competition. Write for particulars. No. 158, care Florists' Review, Chicago.

FOR SALE—One Florida steam boiler No. 225. Reason for selling: boiler too small for my plant; cheap for cash. Write A. H. Dew, Albion, Michigan.

FOR SALE—Greenhouses, dwelling rooms, rich land, in rapidly growing town of 3000; eight large hotels, numerous boarding places, wealthy borders a fine chance for energetic man with small capital. Sickness cause of removal. Address No. 161, care Florists' Review, Chicago.

FOR SALE—Cast iron boiler for 2500 ft. of glass, \$50.00 cash. Dann & Son, Westfield, N. Y.

FOR SALE—Ballard's greenhouse, Perry, Iowa; cause, poor health. Wm. Ballard, Perry, Ia.

FOR SALE—Greenhouse establishment containing 3,200 feet of glass surface, together with stock and everything pertaining to the business. Address Tilton Brothers, Aurora, Ill.

FOR SALE—One boiler 4x14 ft., 1200 ft. 1-inch steam pipes, 1000 ft. 1½-inch pipes and fittings; florist wagon; all in good condition. 1317 North Michigan ave., Saginaw City, Mich.

FOR SALE—Horizontal boiler, 10-horse power, with engine attached; Ames make; doesn't have to be bricked in. A. C. Canfield, Springfield, Ill.

SITUATION WANTED—By working foreman; Scandinavian; middle aged; married; life experience in growing cut flowers; able to take charge of any sized place; state wages and size of place; first-class references. Address J. A. Rosengren, 449 Madison ave., Grand Rapids, Mich.

WANTED—Two or three men for carnations and roses. Bassett & Washburn, Hinsdale, Ill.

WANTED—An up-to-date florist's wagon, glass sides, in good condition; will pay cash. Write A. B. C., care J. Austin Shaw, City Island, N. Y.

FOR SALE—Some extra good second hand 3-in. pipe, guaranteed sound, 6c per foot; also some 1½x12 and larger double thick glass at \$2.75 per box. W. H. Salter, Rochester, N. Y.

FOR SALE—A bargain—Boiler (25 H. P.) half front and fixtures complete, in good working order. Sam. Van Bochove, Kalamazoo, Mich.

FOR SALE—Cheap for cash, second-hand 4-in. cast iron pipe and fittings. Good condition. Address Cole Bros., Box 577, Peoria, Ill.

FOR SALE—About 3,000 feet of 2-in. pipe in first-class condition, 7c per foot, f. o. b. H. B. Lee, Bedford, O.

FOR SALE—One No. 30 Wilks hot water boiler with stack complete, used only three months. A bargain for cash. James W. Dunford, R. R. No. 1 Clayton, Mo.

FOR SALE OR RENT—Eight greenhouses, two 12x20, one 12x24, two 6x24, one 50x12, and two 65x12. All heated by steam; hot-air pump and windmill; also 9 room dwelling, heated by steam from greenhouses, with hot and cold water; several acres of ground. Apply to William Yeager, 68 East Main St., Norristown, Pa.

FOR SALE—Cheap for cash—A good second-hand boiler for 3,000 feet of glass; about 1000 ft. of 8x10 and 1x12 glass and bars enough to make greenhouse 100x14, tank, etc. Th. F. Van Der Meulen, Dunkirk, N. Y.

FOR SALE—The Florence Greenhouses, nearly 3000 feet of glass; completely stocked with general line of plants; good stock of supplies. Good stock hardy plants outside. Hot water heat; splendid trade; best town in Colorado; no competition. \$1000 cash takes it. Worth \$3000. Immediate possession. Templin & Co., Florence, Colo.

FOR SALE—New greenhouse material as follows: New 2-in. black pipe, long lengths, 10 cts. per ft.; 6x8, 50 ft. boxes, American glass, single, \$2.25 per box; 6x8, 50 ft. boxes, American, double, \$2.70 box; 6x8, 100 ft. boxes, French, single, \$4.00 box; 8x10 single French glass, \$1.50 per 100 ft. box; 12x14, 16x18, 14x14, 50 ft. boxes, American glass, double, \$3.80 box; 12x12, 10x14, 50 ft. boxes, American glass, single, \$2.40 box. Clear gulf cypress greenhouse material, and everything for building. Send for prices. S. Jacobs & Sons, 1365 to 1375 Flushing Ave., Brooklyn, N. Y.

FOR SALE a Market Garden
producing Flowers,
Fruits and Vegetables.

HENRY HOUGHTON, Peotone, Ill.

FOR SALE.

In a thriving Ohio town of about 22,000 inhabitants, fine greenhouse plant, consisting of 8 greenhouses, ranging in size from 12x100 to 30x130; also fine workshop and modern up-to-date office and storeroom attached. For particulars address,

S. S. SKIDELSKY,
708 North 16th St., PHILADELPHIA

FOR SALE.

The plant of the **MORTON GROVE GREENHOUSES** (Incorporated), 14 miles from CHICAGO court house, consisting of 38,000 feet of glass, ½ being new glass 16x20 put up in 1900; four acres of tiled land, great soil; 2,000 Peonies, 3 years old; steam heat, 3 boilers, one a 100 H. P. Kroe-schell make, virtually new; 500 tons washed coal in the shed. Have planted 7,500 Roses, 16,000 Carnations, all A 1 stock. **OLD ESTABLISHED TRADE.** Plant in A 1 condition, excepting the old range, for which **NO CHARGE WILL BE MADE.** Will sell at a very **ATTRACTIVE** figure and on easy terms, with or without a 5-room dwelling on 60-foot lot across the street.

Might rent, or sell half interest with option of future purchase to a responsible grower, who must take full charge, as proprietor's business interests are now entirely away from the city.

Address until Sept. 17th: care United States Glue Co., 37 Spruce St., New York. After that in care same Co., Milwaukee Wis.

PAUL KREISMAN.

LEO NIESSEN. WILD SMILAX on 3 days' Notice.

Galax Leaves and Hardy Ferns.

Wholesale Florist — 1217 Arch St. — PHILADELPHIA.

Johnson & Stokes' Kingly Collection Pansies

Years of painstaking care have been expended on this Kingly Strain of Giant Pansies to bring it to its present high standard of perfection, until it now stands without a rival among the world's best productions. Per 1000 seeds, 30 cents; 2000 seeds, 50 cents; 5000 seeds, \$1.00; per ounce, \$5.00.

CINERARIA.	Trade pkt. Oz.
English Prize Mixed (show varieties), 1/2 trade pkt. 50c.	1.00
CYCLAMEN PERSICUM GIGANTEUM.	
Mixed (show varieties) 50 seeds, 40 c.; 100 seeds, 75 cent.	Trade pkt. Oz.
DOUBLE DAISY (Bellis Perennis.)	
Snowball (pure white).....	.30 \$2.50
Longfellow (pink).....	.30 2.50
Giant Mixed.....	.30 2.00
Fine German Mixed.....	.25 1.75

Just arrived—full line of Dutch Bulbs. Get our prices.

JOHNSON & STOKES, 217 and 219 Market St., PHILADELPHIA, PA.

Mention the Review when you write.

Good Fortune is the Chum of Opportunity.

This is your chance to lay in a stock of Godfrey Aschmann's tip-top **Araucaria Excel-sa**. Do it now and they will help to fill your treasure box; they will be growing into money for you while you're asleep. We are headquarters for this great favorite among decorative plants. Our houses are full of choice April im-plantations—no seedlings—raised in Belgium from top cuttings only. Here is my very lowest quotation. Who can beat such stock as I offer for the money?

5 1/2-in., 3 to 4 tiers, 10 to 12 in. high.... \$0.50 each
5 1/2-in., 3 to 4 " 10 to 12 " very broad .60
5 1/2-in., 3 to 4 " 13 to 15 " .75
6-in., 4 to 5 " 16 to 19 " 80c, 90c, 1.00

Cycas Revoluta—(Sago Palm) very fine, 6 to 7-inch pots, from 3 to 4, 5, 6, 7 and 8 leaves, 10c per leaf.

Kentia Forsteriana—36 to 42 inches high, 5 1/2-in. pots, 75c to \$1.00 each.

Ficus Elastica—Imported, 4-inch pots, 25c each; 6-inch, \$4.00 to \$5.00 per doz.

Boston Ferns—5-in. pots, 25c to 35c each; 6-inch, \$6.00 per doz.

Asparagus Plumosus—3-in., at the rate of \$10.00 per 100.

Adiantum Cuneatum (Maidenhair Fern)—4-inch, bushy, \$1.80 per doz.

Primula Chinensis—4-in., for Xmas bloom-ing, all colors, \$6.00 to \$7.00 per 100.

Begonia—Pres. Carnot, 4-inch, \$1.00 per doz. Vernon, 4-inch, in bloom, 75c per doz.

Azalea Indica—For Xmas blooming, Deutsche Perle, Simon Mardner, Vervaeana, fine plants, pot-grown, for 40c, 50c and 75c each. Also for Easter blooming, 16 to 20 varieties, for 40c up to \$1.50 each.

Cash with order please. Goods travel at purchaser's risk only. Please state if with or without pots.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants,

1012 Ontario Street, PHILADELPHIA.

Mention the Review when you write.

Miscellaneous Greenhouse Stock

Per 100

Acalypha Macaefearns.....	\$3.50
Strobilanthes Dyerianus, 75 cts. per doz.	5.00
Abutilons in var., \$20.00 per 1000.....	2.50
Pompon Chrysanthemums, 50 var., \$17.50 per 1000.....	2.00
Coleus, in var., \$17.50 per 1000.....	2.00
2 1/4-in. pots, per 100	
Fuchsias, in variety.....	\$2.50
Hardy English Ivy, extra strong.....	2.00
Lemon Verbena.....	2.50
Sedum variegata.....	2.00
Smilax.....	2.00
Swainsona Alba.....	2.00

(Rooted Cuttings of Hardy English Ivy, 75c per 100; \$5.00 per 1000.)
Send for trade list. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md.

Wholesale Cut Flower Prices.

Philadelphia, Sept. 2.

	Per doz.
Beauties, Specials.....	\$ 2.00 to \$ 3.00
Extra.....	1.50
No. 1.....	.75 to 1.50
Queen of Edgely, Specials.....	2.00 to 3.00
Seconds.....	1.50
Thirds.....	.75 to 1.50
Brides and Maids, Specials.....	\$1.00 to \$5.00
No. 2.....	2.00 to 3.00
Kaiserin, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Liberty, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Carnations, Commons.....	.50 to 1.00
Fancy.....	1.00 to 2.00
Adiantum Cuneatum.....	1.00
Lily of the Valley.....	2.00 to 4.00
Double Petunias.....	.25 to .75
Gladioli.....	1.00 to 2.00
Asters, Common.....	.25 to .75
Fancy.....	1.25 to 2.00
Dahlias.....	1.00 to 3.00

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS.

MILWAUKEE, - WIS.

The F.R. Williams Co.

Wholesale Florists...

CLEVELAND, - OHIO.

THE E. G. HILL CO.

Wholesale Florists,

RICHMOND, INDIANA.

....THE....

COTTAGE GARDENS

Wholesale Florists,

QUEENS, - L. I., N. Y.

EDWARD REID, WHOLESALE FLORIST.

Roses, Valley and Carnations.

1526 Banstead St., PHILADELPHIA.

Store closes at 8 p. m.

Long Distance Telephone.

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WHOLESALE FLORIST.

Asters, Dahlias and Gladiolus.

11 South 16th Street,

PHILADELPHIA, PA.

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WILLIAM J. BAKER, WHOLESALE FLORIST,

Valley and Asters!

1432 South Penn Square, Philadelphia.

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C. A. DUNN & CO.

Wholesale Florists,

1516 Sansome St., PHILADELPHIA.

Roses and Carnations.

Consignments of Choice Stock Solicited.

Bell and Keystone Telephones.

Mention The Review when you write

Maplewood Cut Flower and Plant Co.

GEO. M. KELLOGG, Pres.

Growers of CUT FLOWERS at Wholesale.

Regular shipping orders given special attention. We have the largest plant west of Chicago.

Store: 906 Grand Ave., KANSAS CITY, MO.

Greenhouses: Pleasant Hill, Mo.

FOR SOUTHERN WILD SMILAX

(Where Quality is First Consideration.)

Write, Wire or Phone the Introducers

Caldwell The Woodsman Co., Evergreen, Ala. or their agents: L. J. Kreshover, New York; J. B. Deamud, Chicago; H. Bayersdorfer & Co., Philadelphia; W. F. Kasting, Buffalo; J. M. McCullough's Sons, Cincinnati, Ohio; H. G. Ber-nig, St. Louis, Mo.

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Peacock'sDahlias

For plants, bulbs or cut blooms. Address

W. P. PEACOCK,

Dahlia Specialist. ATCO, N. J.

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Smilax Seedlings,

50c per 100.

SAMUEL S. PENNOCK,

1612-18 Ludlow St., Philadelphia.

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Charles Millang, New York

We are headquarters
for every kind of Cut
Flowers in their season.

"THE LILY KING." Reasonable Prices.
Square Dealing.
Out-of-town florists promptly attended
to. Telephone for what you want.
Tel. 2230 Madison Square.

Moore, Hentz & Nash Wholesale Florists.

55-57 W. 26th St.
NEW YORK CITY.
SHIPPING ON COMMISSION.
Tel. 2034 and 2239 Madison Square.

Established 1891.
GEO. E. BRADSHAW. JOHN R. HARTMAN.
BRADSHAW & HARTMAN,
Wholesale Florists,
53 West 28th Street, NEW YORK.
Telephone 1239 Madison Square.
Consignments Solicited.
Mention the Review when you write.

JAMES McMANUS, Telephone 2200 Madison Square. 50 W. 30th St., NEW YORK
Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND.
ORCHIDS A SPECIALTY.
HEADQUARTERS FOR NOVELTIES

W. GHORMLEY,

WHOLESALE COMMISSION,

57 W. 28th Street, NEW YORK.

The largest commission house in America

for Roses, Violets and all other varieties of Cut Flowers.

My large shipping trade enables me to command the highest prices.

Telephone 2200 Madison Square,
which ring, connects you with all our TELEPHONES.

Mention the Review when you write.

THE PIONEER HOUSE
Open every day at 6 a. m.

J. K. ALLEN

WHOLESALE FLORIST,
106 W. 28th Street, New York City
We ship all over the United States. Consignments realize with
us the best market prices. Tel. 167 Madison Sq.
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WALTER F. SHERIDAN, Wholesale Commission Dealer in CUT FLOWERS

39 West 28th St., NEW YORK.
(Established 1882)
Receiving Extra Quality American Beauties
and all other varieties of Roses.
Telephone 902 Madison Square. Carnations.
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WHOLESALE FLORISTS,
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Cut Flower Exchange.

OPEN ALL DAY!
AN UNEQUALLED OUTLET FOR CONSIGNED FLOWERS.
Telephone No. 2438 Madison Sq.

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113 W. 30th St., NEW YORK CITY.
Tel. 854 Madison Sq.

Consignments receive conscientious and prompt
attention. Highest market price guaranteed.
The finest stock in the market always on hand.

Mention the Review when you write.

B. S. SLINN, Jr.

WHOLESALE FLORIST,
New York Cut Flower Co.,
55 and 57 West 26th Street, NEW YORK.
Telephone 2239 Madison Sq.

Violets and Swainsona our Specialties.
Shipping orders receive prompt attention.

Always mention the Florists' Review when
writing advertisers.

Wholesale Cut Flower Prices.

New York, Sept. 2.

	Per 100
Beauties, Specials	\$10.00 to \$20.00
Extra	4.00 to 8.00
No. 1	2.00 to 3.00
Shorts .....	.50 to 1.00
Brides and Majds, Specials	2.00 to 4.00
Extra	1.00 to 2.00
No. 1 .....	.50 to 1.00
No. 2 .....	.10 to .25
Carnot	1.00 to 6.00
Golden Gate .....	.50 to 4.00
Kaiserin .....	.50 to 6.00
Liberty	1.00 to 6.00
Cattleyas	60.00 to 75.00
Dendrobium formosum	25.00
Carnations, Common .....	.50 to 1.00
Selects	1.00 to 2.00
Adiantum cuneatum .....	.25 to 1.00
Asparagus plumosus, Strings	35.00 to 50.00
Lilium Harrisii	5.00 to 10.00
Longiflorum	5.00 to 10.00
Lily of the Valley .....	.50 to 1.50
Smilax	6.00 to 10.00

The supply of every kind of stock is enormous, and for the continuance of the above prices the abundance of outdoor stock, the bad weather and the limited demand are accountable. It was a bad August, the most disappointing ever known, it is said, in the wholesale district.

ALLIANCE, O.—A considerable change in the rural free delivery routes in this vicinity has affected the addresses of several florists, among them Theo. Fuhr, who formerly received his mail through the Beloit office.

GEO. SALTFOORD, Author of "HOW TO MAKE MONEY GROWING VIOLETS," WHOLESALE FLORIST,

46 West 29th Street, NEW YORK CITY.
Telephone No. 3393 Madison Sq.
CONSIGNMENTS OF ALL FIRST-CLASS FLOWERS SOLICITED.
VIOLETS our specialty.

Mention the Review when you write.

GALAX.

Brilliant Bronze, at 75c per 1000 in 2000 lots or more.

FEENS—Fancy, \$1.25 per 1000; Dagger, \$1.00 per 1000. Green Sheet Moss—\$2.50 per bbl. sack. Sphagnum Moss—\$1.75 per large bale.

ALL KINDS FLORISTS' SUPPLIES.

L. J. KRESHOVER, 110-112 W. 27th St., New York
TEL. 697 MADISON SQUARE.

Mention the Review when you write.

JOHN YOUNG

Special American Beauties,
Surpassing Carnations,
Lily of the Valley, Orchids
and all seasonable flowers.

51 W. 28th St., NEW YORK.
Tel. 1905 Madison Sq.

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Young & Nugent

42 West 28th Street
New York

Send for Quotations

Mention the Review when you write.

H. C. RIEDEL.

F. D. SPICER.

Riedel & Spicer

Wholesale Florists,

Strictly Wholesale, 34 W. 29th Street,
Tel. 8039 Madison Sq. New York City.

The New York Cut Flower Co.

55 and 57 West 26th Street,
WHOLESALE FLORISTS.
Daily Reports. Weekly Payments.
Tel. 2239 Madison Sq. J. A. MILLANG,
2034 Madison Sq. Manager.

Mention the Review when you write.

Alfred H. Langjahr

Wholesale Commission Florist,

19 Boerum Place, BROOKLYN, N. Y.

Telephone 939 Main.

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Florists' Review

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TOP GRADE for SHIPPING

AMERICAN BEAUTY, BRIDESMAID, BRIDE,
LIBERTY, METEOR, LILY OF THE VALLEY, CARNATIONS.

JOHN I. RAYNOR, 49 WEST 28TH STREET, NEW YORK.
Telephone, 1998 Madison Square.

The Philadelphia Wholesale Flower Market.

Consignments of Double and Single Violets solicited.
We need them regularly and can make good returns.

—FINE—
BEAUTIES

OPEN FROM 7:00 A. M. TO 5:00 P. M.
SATURDAYS CLOSE AT 1:00 P. M.

1228 CHERRY STREET, PHILADELPHIA.

ALEX. J. GUTTMAN, Wholesale Florist.

All seasonable Flowers and Novelties at proper
prices can be had at
52 West 29th Street, New York.
Telephone 1738 Madison.
Mention Review when you write.

ESTABLISHED 1872. John J. Perkins

WHOLESALE and COMMISSION FLORIST,
115 West 30th St., NEW YORK.
Telephone No. 956 Madison Sq.
WANTED a few more reliable growers of
Carnations and Violets. Only first-class stock
handled.
BRANCH STORE, 48 West 30th St.,
New York. R. W. PERKINS, Manager.
Consignments Solicited. Quick returns to Ship-
pers. Highest Market Prices Guaranteed.
Mention Review when you write.

WM. SAMPSON, Coogan Building, WHOLESALE 26th St. and 6th Ave. FLORIST.

With the New York Cut Flower Co.
Tel No. 2239 Madison. Consignments Solicited.
Specialties, CARNATIONS and MIGNONETTE.
Mention Review when you write.

N. LEGAKES & CO.

 **45 West
29th St., NEW YORK**
Tel. No. 1214 Madison Sq.
and
53 W. 28th St.
(Basement)
Tel. 1797 Madison Sq.
Stands at Cut
Flower Exchange
Coogan Bldg., W.
26th St., and 34th Street Cut Flower Market.
— SPECIALTIES —
**GALAX LEAVES, FERNS and
LEUCOTHOE SPRAYS.**
Mention Review when you write.

Wholesale Cut Flower Prices.

Boston, Sept. 2.	
	Per 100.
Beauties, Specials.....	\$29.00
Extra.....	\$12.00 to 15.00
No. 1.....	8.00 to 10.00
Shorts.....	2.00 to 5.00
Brides and Bridesmaids, Specials..	6.00 to 8.00
Extra.....	8.00 to 4.00
No. 1.....	2.00
No. 2.....	.50 to 1.00
Carnot.....	2.00 to 10.00
Kaiserin.....	2.00 to 10.00
Liberty.....	1.00 to 10.00
Carnations, Common.....	1.00
Selects.....	2.00
Fair Maid.....	1.00 to 5.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, Strings.....	50.00
Sprays.....	1.00 to 2.00
Sprenger, Sprays.....	1.00 to 3.00
Asters.....	.20 to 1.00
Callas.....	6.00 to 8.00
Gladoli.....	1.00 to 4.00
Lilium Auratum.....	6.00 to 8.00
Lily of the Valley.....	2.00 to 4.00
Mignonette, ordinary.....	1.00
Smilax.....	12.00
Sweet Peas.....	.10 to .20
Tuberose.....	4.00
Galax.....	.15
Common Ferns.....	.10

Buffalo, Sept. 2.	
	Per 100
Beauties, Specials.....	\$25.00
Extra.....	15.00
No. 1.....	10.00
Shorts.....	4.00
Brides and Maids, Extra.....	5.00
No. 1.....	4.00
No. 2.....	2.00 to 3.00
Carnot.....	4.00 to 6.00
Golden Gate.....	4.00 to 6.00
Kaiserin.....	3.00 to 6.00
Liberty.....	3.00 to 6.00
Mme. C. Testout.....	3.00 to 6.00
Meteor.....	3.00 to 6.00
Carnations, Selects.....	1.00 to 1.50
Fancies.....	1.50 to 2.00
Adiantum Cuneatum.....	1.00 to 1.25
Asparagus plumosus, Strings.....	40.00 to 50.00
Asters.....	.40 to 1.50
Gladoli.....	1.00 to 3.00
Lilium Auratum.....	6.00 to 10.00
Speciosum.....	2.00 to 4.00
Harrisii.....	15.00
Longiflorum.....	15.00
Lily of the Valley.....	3.00 to 5.00
Smilax.....	10.00 to 15.00
Sweet Peas.....	.10 to .20
Violets, ordinary.....	.75 to 1.00
Water Lilies.....	2.00 to 5.00
Galax.....	.15
Common Ferns.....	.15

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for me.—C. H. HAYDEN, Dexter, Me.

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Wholesale Cut Flower Prices.

Chicago, Sept. 2.

	Per doz.
Beauties 24-inch stems.....	\$2.00 to \$2.50
20.....	1.50
15.....	1.25
12.....	1.00
Shorts.....	.75
Bridesmaids, Specials.....	\$4.00 to \$6.00
Firsts.....	2.00 to 3.00
Seconds.....	1.00
Brides, Specials.....	4.00 to 6.00
Firsts.....	2.00 to 3.00
Seconds.....	1.00
Kaiserin.....	4.00 to 8.00
Liberty, Specials.....	8.00 to 10.00
Firsts.....	6.00 to 8.00
Seconds.....	3.00 to 5.00
Golden Gate, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Meteor, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Mme. Chateau, Firsts.....	6.00 to 8.00
Seconds.....	3.00 to 5.00
Ivory, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Perles, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Carnations, Fancy.....	2.00
Commons.....	1.00 to 1.50
Gladioli.....	2.00 to 3.00
Asters.....	.40 to .20
Water Lilies.....	1.00
Auratum Lilies.....	\$1.00 to \$1.50 doz
Valley.....	8.00 to 4.00
Adiantum cuneatum.....	.75 to 1.00
Asparagus plumosus, Strings.....	25.00 to 50.00
Sprays.....	2.00 to 3.00
Asparagus Sprengeri, Sprays.....	3.00 to 6.00
Smilax.....	\$1.25 per doz.
Common ferns, per 1000, \$1.25	
Galax Leaves, \$1.50 per 1000	

Milwaukee, Sept. 2.

	Per 100
Beauties, No. 1.....	\$12.50
Shorts.....	\$1.00 to 6.00
Brides and Maids, Specials.....	5.00
Extra.....	4.00
No. 1.....	3.00
No. 2.....	2.00
Golden Gate.....	4.00 to 6.00
Kaiserin.....	4.00 to 6.00
Liberty.....	4.00 to 6.00
Meteor.....	2.00 to 4.00
Perle.....	2.00 to 4.00
Carnations, Selects.....	1.50
Asparagus plumosus, Strings.....	50.00
Sprays.....	2.00 to 4.00
Sprengeri.....	2.00 to 4.00
Daisies.....	.50
Gladioli.....	2.00 to 3.00
Lilium Auratum.....	15.00
Speciosum.....	5.00
Smilax.....	10.00 to 12.50
Common Ferns.....	.20

Baltimore, Sept. 2.

	Per 100
Beauties, Shorts.....	\$3.00 to \$6.00
Brides and Maids, best offering....	2.00 to 4.00
Golden Gate.....	2.00 to 4.00
Kaiserin.....	2.00 to 4.00
Perle.....	2.00 to 3.00
White Cocket.....	1.50 to 3.00
Carnations, Commons.....	.50 to .75
Adiantum Cuneatum.....	.75 to 1.00
Asparagus plumosus, Sprays.....	1.50 to 2.00
Sprengeri, Sprays.....	1.50 to 2.00
Gladioli.....	2.00 to 4.00

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COMMON FERNS, \$1.00 per 1000.
GALAX, Bronze or Green, 1.25

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Wholesale Cut Flower Prices.

Cincinnati, Sept. 2.

	Per 100
Beauties, Extra.....	\$15.00 to \$25.00
No. 1.....	8.00 to 12.50
Shorts.....	8.00 to 5.00
Brides and Maids, No. 1.....	4.00
No. 2.....	2.00 to 3.00
Golden Gates.....	2.00 to 4.00
Kaiserin.....	2.00 to 5.00
Liberty.....	2.00 to 4.00
Meteor.....	2.00 to 4.00
Perle.....	2.00 to 3.00
Carnations, Commons.....	.25
Selects.....	1.00 to 1.50
Fancies.....	1.00 to 2.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, Strings.....	35.00 to 50.00
Sprenger, Sprays.....	2.00 to 4.00
Asters.....	.50 to 2.50
Dahlias.....	2.00 to 3.00
Daisies.....	.35 to .70
Gladioli.....	2.00 to 3.00
Lily of the Valley.....	2.00 to 4.00
Smilax.....	12.50 to 15.00
Tuberose.....	2.00 to 3.00
Common Ferns.....	.15

Pittsburg, Sept. 2.

	Per doz.
Beauties, Specials.....	\$20.00 to \$25.00
Extra.....	15.00 to 18.00
No. 1.....	8.00 to 12.00
Shorts.....	3.00 to 5.00
Brides and Maids, Extra.....	4.00 to 5.00
No. 1.....	2.00 to 3.00
No. 2.....	1.00
Kaiserin.....	2.00 to 3.00
Liberty.....	2.00 to 4.00
Carnations, Commons.....	.50 to .75
Select.....	1.00 to 1.25
Adiantum Cuneatum.....	.50 to .75
Asparagus plumosus, Strings.....	40.00 to 50.00
Sprenger, Sprays.....	2.00 to 3.00
Asters.....	.25 to 1.25
Gladioli.....	1.00 to 3.00
Lilium Album.....	2.00 to 3.00
Roseum.....	2.00 to 3.00
Lily of the Valley.....	3.00 to 4.00
Smilax.....	10.00 to 15.00

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2-inch pots, two tiers, \$16.00 per 100.

Araucaria Imbricata

2½-inch pots, strong plants, \$10 per 100.

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CALLA LILIES—		
6-inch circumference.....	\$5.00	\$45.00
5 " " ".....	4.50	40.00
4 " " ".....	4.00	35.00
2½ to 3-inch ".....	2.50	22.50
Narcissus—Paper White, extra size.....	1.00	7.50
large size.....	.75	5.00
Freesia Bulbs—Extra selected.....	.50	4.00
Large.....	.35	2.50
Amaryllis Belladonna—Ready to bloom.....	\$1.00	
per doz.; \$8.00 per 100.		

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Primroses—Chinese.....2¼ inch, \$2.00 per 100
Obconica.....2¼ " 2.10
Obconica in flats ready to pot. \$1.50 a 100, by mail
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IVORY, 2-in., \$3 per 100; \$25 per 1000.

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Fine, Strong, Healthy Stock, at exceptionally low prices to close out. 100 1000

Brides, Bridesmaids, 3-in.....	\$4.00	\$35.00
Ivory, Meteor, 3-in.....	4.00	35.00
Brides, Maids, Ivory, Gates, 2½-in....	2.50	20.00

Special Offer—An order for 200 will secure 1000 rate. The stock is big value. We guarantee it will please. Write us for price on 4-in. hot water pipe for sale cheap.

W. H. GULLETT & SONS, - - Lincoln, Ill.

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Wholesale Cut Flower Prices.

St. Louis, Sept. 2.

	Per dozen
Beauties, Specials.....	\$2.00 to \$2.50
Extra.....	1.00 to 1.50
Shorts.....	.40 to .60
Brides and Maids, Specials.....	4.00 to 5.00
Extra.....	2.00 to 3.00
No. 1.....	1.00 to 1.50
Carnot.....	8.00 to 5.00
Golden Gate.....	3.00 to 4.00
Kaiserin.....	3.00 to 4.00
Liberty.....	3.00 to 4.00
Meteor.....	2.00 to 3.00
Perle.....	2.00 to 3.00
Sunrise.....	2.00 to 3.00
Carnations, Commons.....	.50 to .75
Fancies.....	1.50 to 2.00
Adiantum Cuneatum.....	1.00 to 1.25
Adiantum Farleyense.....	1.00 to 1.25
Asparagus plumosus, Strings.....	15.00 to 30.00
Sprenger, Sprays.....	1.00 to 1.50
Sprenger,.....	1.00 to 2.00
Asters.....	.50 to 2.00
Gladioli.....	2.00 to 3.00
Lily of the Valley.....	3.00 to 4.00
Smilax.....	10.00 to 12.50
Tuberose.....	2.50 to 3.00
Galax.....	.15
Common Ferns.....	.15

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Crimson and Yellow Rambler, Coquette des Blancs, Clothilde Soupert, etc., fine, clean plants 9c. Large flowered Clematis, finest purple, lavender, white and pink sorts, 2 year, from 5-inch pots, 18c; 1-year, from 3-inch, 9c. Clematis Paniculata, 2-year, from 5-inch pots, 10c; extra from 6-inch, 18c. Ampelopsis Veitchii, fine, from 5-inch, 15c; 4-inch, 10c; from 3-inch, 5c. Also fine young stock, this season's propagation—Large flowered Clematis, 2½-inch, 6c. Clematis Paniculata, 3c. Amp. Veitchii, 3c. Rooted cuttings, Hydrangea P. G., 2c. Weigelia Rosea and variegated, 2c. Japan Goldleaf Honeysuckle, 2c. Packed free for cash.

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86 in. wide. 80 in. deep. 74 in. high.

SPECIAL DESIGNS BUILT TO ORDER

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(CONTINUED.)

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U. J. VIRGIN,

838
Canal Street,

NEW ORLEANS, LA.

S. B. Stewart,

119
No. 16th Street,

OMAHA, NEB.

BALTIMORE.

We have gone back to the old refrain; clouds, rain; rain, clouds. For five days we have scarcely seen the sun and in one night there was a rainfall of three and a half inches. The temperature is low and at night is suggestive of mildew, and the impending necessity of early fires. Flowers outside are greatly damaged by the excessive moisture.

Trade last week was lamentably short, but on Saturday there was a little spurt. Many persons are returning to their city homes. This will have some effect on business. The cool summer has been one of general health; the mortality was light, and the demand for funeral flowers below the average.

Golden Gate, under the conditions of moderate temperature, has this season proved itself a good summer rose, one of the best paying varieties now grown.

Certain wholesalers in a neighboring city are sending flowers into this market, "to be paid for if sold," whereat the indignation of our home growers may be imagined.

Frank G. Berger and wife are off on a sea trip to New Foundland, and Richard Vincent and wife are lately returned from a European trip.

Henry Pfister, formerly gardener at the White House and now engaged in business in Washington, and Charles Dudley, of Parkersburg, W. Va., were in town last week.

B.

PITTSBURG.

The Market.

The past week was a very dull one. Business was at a standstill. This August was the dulllest month the trade has experienced for many years. We

are all eager for a reaction in business, and it is hoped that fall business will soon make its appearance. Outdoor flowers, such as asters, gladioli, album and rubrum lilies and short carnations continue to be a glut and can be bought at extremely low figures. Some very good Kaiserin roses are sent in by Patrick Maier.

Notes.

The Pittsburg Rose and Carnation Co., at Bakerstown, is beginning to cut some good American Beauties from the new plants.

At Blind Bros.' place everything is in fine condition. With a greater boiler capacity than last year they anticipate good results this season.

B. L. Elliott is shipping the Pittsburg Cut Flower Co. quantities of Shakespeare gladioli, of which the quality is fine.

It is rumored that another new wholesale commission house is to be opened in this city by one of the street Greeks.

The lone fisherman, Phil Langhans, is back again at his post.

Thos. M. Ulam and wife left Saturday for New York.

Visitors: John A. Steel, Uniontown; Arthur Langhans, Wheeling; Wm. Cro-mach, Irwin.

Hoo-Hoo.

NORTH WALES, PA.—Charles Kreible is building an addition to his greenhouses in the west end.

OWOSSO, MICH.—Herbert Deal died August 23, aged 35 years. His demise was hastened by the tragic death of Mrs. Deal a year ago.

CLASSIFIED PLANT ADVERTISEMENTS.

Rates for advertisements under this head, 10 cents a line net, per insertion. New advs. and changes must reach us by Wednesday morning at latest to secure proper classification in issue of Thursday.

ABUTILONS.

New abutilon Pink Beauty, novelty, 2½-in., \$4.00 per doz.
Ozone Park Nurseries, Ozone Park, L. I., N. Y.
Abutilons in variety, 2½-in., \$2.50 100; \$20.00 1000. R. Vincent, Jr., & Son, White Marsh, Md.

ACALYPHAS.

Acalypha Macafeana, \$3.50 100.
R. Vincent, Jr. & Son, White Marsh, Md.

ALYSSUM.

2500 Giant dbl. alyssum, 3-in. pots, \$3.00 per 100; \$25.00 per 1000. Cash, please.
E. J. Cloud, L. B. 32, Avondale, Pa.
Alyssum, 3-in., strong plants, \$3.50 100. Cash. Converse Greenhouses, Webster, Mass.
Dbl.-flowering alyssum, 3-in., \$4.00 100. Thorn Hedge Greenhouses, Newtown Square, Pa.
Alyssum, double, 2½-in. pots, \$3.00 100. N. Smith & Son, Adrian, Mich.

AMPELOPSIS.

Ampelopsis Veitchii, strong seedlings, \$1.00 100. Cash.
Chas. B. Stahl, 27 So. 11th St., Philadelphia.
Ampelopsis Veitchii, 5-in., 15c; 4-in., 10c; 3-in., 5c. W. H. Salter, Rochester, N. Y.

ANEMONES.

Japan anemones in variety, including the superb novelty, Queen Charlotte.
ELLWANGER & BARRY, Rochester, N. Y.

ARAUCARIAS.

Araucaria excelsa, raised in Belgium from top cuttings only.

	Tiers.	High.	Each.
5½-in. pots	3 to 4	10 to 12 in.	50c
5½-in. pots	3 to 4	10 to 12 in.	60c
5½-in. pots	3 to 4	13 to 15 in.	75c
6 in. pots	4 to 5 tiers	16 to 19 inches high	80c, 90c and \$1.00 each.

GODFREY ASCHMANN, 1012 Ontario St., Philadelphia, Pa.

Araucaria excelsa, 7-in. pots, height from pot 16 to 20 inches, fine spread, \$18.00 and \$24.00 per doz. Araucaria glauca, 7-in. pots, height from pot 16 to 26 inches, \$2.50 and \$3.00 each; \$24.00 per doz. Cash with order, please.
ANTON SCHULTHEIS, College Point, L. I., N. Y.

Araucaria excelsa, 2-in. pots, 2 tiers, \$16.00 100. A. imbricata, 2½-in. pots, strong plants, \$10.00 100.
F. LUDEMANN, 3041 Baker St., San Francisco, Cal.

Araucaria excelsa. We have a fine stock of this desirable plant in all sizes, from 75c to \$2.00 each; perfect tiers. Satisfaction guaranteed.
Ozone Park Nurseries, Ozone Park, L. I., N. Y.

Araucaria excelsa; perfect beauties, 3 to 4 tiers, 5-in. pots, 10 and 12-in. high, \$5.50 doz.; \$42.50 100.
T. N. Yates & Co., Mt. Airy, Phila., Pa.

Araucaria excelsa, strong, stocky 3 and 4-tier plants. Write for prices. Ridge Lawn Greenhouses, Pine Ridge, Buffalo, N. Y.

ARBOR-VITÆ.

Blota aurea nana, 12-15 in. high, very compact, \$20.00 100; 18-20 in. high, very compact, \$30.00 100. Not less than 40 of a sort at 100 rates. P. J. BERCKMANS CO., Augusta, Ga.

ASPARAGUS.

Asparagus comorensis, 3-in. pots, \$10.00 100. Extra strong, ready to shift. A. Sprenger, 2½-in., \$4.00 100. A. plumosus nanus, 2½-in., \$5.00 100. A. tenuissimus, 2½-in., \$4.00 100.
Nathan Smith & Son, Adrian, Mich.

Asparagus Sprenger, our specialty. All strong plants. Per 100: 2½-in., \$3.00; 3-in., \$4.00; 4-in., \$8.00; 5-in., \$15.00; 6-in., \$30.00. Special price on large lots.
J. H. BORNHOEFFT, Tipton, Ind.

Asparagus plumosus, from 4-in. pots, \$12.50 per 100. Asparagus Sprenger, from 3½-in. pots, \$6.00 per 100. Extra strong, \$8.00 per 100. Cash with order.
HENRY H. BARROWS & SON, Whitman, Mass.

Asparagus Sprenger, 3-in., \$4.00 100; 4-in., \$8.00; 5-in., \$15.00; 6-in., \$25.00. A. plumosus, 3-in., \$10.00 100. All strong plants.
Bentzen Floral Co., 4025 Marcus Ave., St. Louis, Mo.

Asparagus plumosus nanus, from flats, \$2.00 100; \$15.00 1000, prepaid. A. Sprenger, 2 and 2½-in., strong, \$2.00 100; 3-in., \$2.50 100.
Bell Conservatory Co., Sacramento, Cal.

Asparagus Sprenger, from flats transplanted, \$5.00 per 1000. 3-in. pots, \$10.00 per 1000. To clean out. Express prepaid to your city.
CALIFORNIA CARNATION CO., Loomis, Cal.

Asparagus plumosus plants, 2-yrs-old, \$5.00 100; fine for strings. Asparagus Sprenger, 2½-in. pots, extra, \$2.50 100.
JOSEPH WOOD, Spring Valley, New York.

Asparagus plumosus, 2-in., \$5.00; 3-in., \$8.00; 4-in., \$15.00 100. Sprenger, 2-in., \$3.50; 3-in., \$5.00; 4-in., \$10.00 100.
Geo. A. Kuhl, Pekin, Ill.

Asparagus Sprenger, 2½-in., heavy, \$2.00 100. \$15.00 1000; 4-in., heavy, \$7.50 100. 50 at 100 rates. Cash with order.
HASKELL AVE. FLORAL CO., Dallas, Tex.

Asparagus plumosus nanus, strong 2½-in., \$3.00 100; \$25.00 1000. A. Sprenger, \$2.00 100; \$15.00 1000. Cash, please.
G. M. Naumann, Doan St., Cleveland, O.

Asparagus Sprenger, from flats, \$1.00 100, \$6.00 1000; 5000 for \$25.00; 2½-in., \$1.50 100. \$12.50 1000.
S. Whitton, 15 Gray Ave., Utica, N. Y.

Well-grown Asparagus Sprenger, from 3-in., \$2.50 100, \$20.00 1000; seedlings, 75c 100, \$5.00 1000.
S. S. PENNOCK, 1612 Ludlow St., Philadelphia.

Asparagus plumosus, strong 2½-inch, \$4.00 100, \$35.00 1000. Cheap for this quality.
THE GEORGE WITTBOLD CO., 1657 Buckingham Place, Chicago, Ill.

Asparagus Sprenger, strong, trans. from flats, \$1.50 100; 6-in. pots, \$1.75 doz., \$12.50 100.
W. W. Stertzing, Maplewood, Sta., St. Louis, Mo.

Asparagus Sprenger, 2½-in., ready for 4-in., \$2.50 100. Now worth \$4.00. To close quick. Cash. Geo. M. Brinkerhoff, Springfield, Ill.

ASPARAGUS PLUMOSUS NANUS.
Cut strings, 50 cents each.
W. H. ELLIOTT, BRIGHTON, MASS.

Asparagus Sprenger, good, strong plants. Per 100: 2-in., \$2.00; 3-in., \$5.00; 4-in., \$8.00.
A. G. Fehr, Belleville, Ill.

Asparagus Sprenger, extra strong. Per 100: 2½-in., \$5.00; 3-in., \$4.00; 4-in., \$6.00.
Critchell's, Avondale, Cincinnati, O.

Asparagus Sprenger, 2-in. pots, \$2.00 100. A. plumosus nanus, \$2.50 100. Cash.
Jos. H. Cunningham, Delaware, Ohio.

Asparagus Sprenger, 2-in., \$2.00; 3½-in., \$2.50; 3-in., \$3.00 100. Express prepaid.
LOOMIS FLORAL CO., Loomis, Cal.

Asparagus Sprenger seedlings, strong plants from flats, \$1.00 100, prepaid.
E. I. Rawlings, Quakertown, Pa.

Asparagus Sprenger and plumosus, extra strong, 2-in., \$30.00 100.
C. BETSCHER, Canal Dover, O.

Asparagus Sprenger, Feb. sown seed, 2-in. pots, \$2.00 100. Cash.
John Brod, Niles Center, Ill.

Asparagus Sprenger, 2, 3 and 4-in. Plumosus, 2, 2½, 3, 4 and 5-in.
Geo. A. Kuhl, Pekin, Ill.

Asparagus Sprenger, strong, 2½-in., \$3.00 per 100; \$25.00 per 1000.
Ozone Park Nurseries, Ozone Park, L. I., N. Y.

Asparagus plumosus, 4-in. pots, \$8.50 per 100. Good stock. Cash.
SEIDEWITZ, 36 W. Lexington St., Baltimore, Md.

Asparagus plumosus, 3-in., at the rate of \$10.00 per 100.
Godfrey Aschmann, 1012 Ontario St., Phila.

Asparagus plumosus nanus, extra strong, 3-in., \$8.00 per 100.
Ozone Park Nurseries, Ozone Park, L. I., N. Y.

Asparagus Sprenger, from flats, 75c 100; \$5.00 1000.
Chas. Alf & Co., Austin, Texas.

Asparagus plumosus, 2½-in., \$4.00 100; 3-in., \$6.00 100.
S. M. Harbison, Danville, Ky.

Asparagus plumosus, 2-in. pots, \$3.00 per 100.
Wm. Keir, Pikeville, Md.

Asparagus plumosus nanus, 2½-in., \$4.00 100.
H. Weston, Hempstead, N. Y.

Asparagus Sprenger, 2-in., \$2.50 per 100.
C. Winterich, Defiance, Ohio.

Sprenger, large sizes, low prices. Write
RONEY BROS., West Grove, Pa.

Asparagus Sprenger, 4-in., \$6.00 100.
E. Thompson, R. R. No. 3, Madison, Wis.

Asparagus Sprenger, 2-in., 2c.
Lamprecht Bros., Ashland, O.

Asparagus plumosus, strong plants, 6-in., \$25.00 100.
Thorn Hedge Greenhouses, Newtown Square, Pa.

Asparagus plumosus, all sizes.
A. S. MACBEAN, Lakewood, N. J.

ASPIDISTRAS.

Aspidistras. Cheaper than they can be imported. 5 and 6 leaves, 5-in. pots, \$2.25 doz., \$18.00 100.
T. N. Yates & Co., Mt. Airy, Phila., Pa.

Aspidistra lurida, 4-in., \$25.00 100.
A. G. Fehr, Belleville, Ill.

ASTERS.

Asters, from 3-in. pots, 3c each. Cash.
M. F. LA ROCHE, Collingdale, Pa.

AZALEAS.

Azalea indica for Xmas blooming, fine plants, pot-grown, from 40c to 75c each. Also for Easter blooming, 10 to 20 varieties, from 40c to \$1.50 each.
Godfrey Aschmann, 1012 Ontario St., Phila.

BAY TREES.

Bay Trees. Have just received a fine lot of standards and pyramids.
F. W. O. Schmitz, Prince Bay, N. Y.

Among our specialties, bay trees, boxwood, palms, evergreens, etc.
BOBBINK & ATKINS, Rutherford, N. J.

BEGONIAS.

Rex begonias, a number of the best varieties, 2-in., \$4.00 100. Begonia aurea manicata, 2-in., \$4.00 100. N. O. CASWELL, Delavan, Ill.

Begonia Pres. Carnot, 4-in. \$1.00 doz. Vernon, 4-in., in bloom, 75c doz.
Godfrey Aschmann, 1012 Ontario St., Phila.

Mammoth begonias, in flower, 4-in., \$8.00 100.
S. Whitton, 15-17 Gray Ave., Utica, N. Y.

Begonia de Lorraine, 2½-in., \$15.00 100; \$140.00 1000. Julius Roehrs, Rutherford, N. J.

Begonia Rex in assortment, 3-in., \$6.00 100.
Nanz & Neuner, Louisville, Ky.

BERRIED PLANTS.

Solanum ciliatum or Adam's apple, large, bright red berries, 3-in. pots, 5c; 4-in. pots, 10c. Solanum annuum or celestial peppers, 4-in. pots, 10c. Solanum capsicastrum or Jerusalem cherry, large berry, var., 3-in. pots, 5c. Plants are strong and clean and ready to shift. Satisfaction guaranteed. Cash.
M. F. La Roche, Collingdale, Pa.

Jerusalem cherry trees, field-grown, dwarf and bushy, well set with berries, \$8.00 100. Cash. Converse Greenhouses, Webster, Mass.

Capsicum annuum, field plants, in bloom, short and stocky. A bargain at 3c cash.
BYER BROS., Chambersburg, Pa.

Christmas Peppers, fine plants out of 2½-in., \$2.00 100; \$15.00 1000.
J. C. Schmidt, Bristol, Pa.

Celestial peppers, 5-in., \$1.50 doz., \$12.00 100. Oechslein Bros., 1688 W. Madison St., Chicago.

BOUVARDIAS.

Bouvardias, pink and white, strong plants from field, \$8.00 100. C. E. Meehan, Slocum and Musgrove, Germantown, Pa.

BOX WOOD.

Among our specialties, boxwood, bay trees, palms, evergreens, etc.
BOBBINK & ATKINS, Rutherford, N. J.

BULBS.

Freesia bulbs, extra selected, 50c 100, \$4.00 1000; large, 35c 100, \$2.50 1000. Amaryllis Buladonna, ready to bloom, \$1.00 doz., \$8.00 100. Narcissus paper white, extra size, \$1.00 100, \$7.50 1000; large size, 75c 100, \$5.00 1000. Calla lilies, 6-in. circ., \$5.00 100, \$45.00 1000. 5-in., \$4.50 100, \$40.00 1000; 4-in., \$4.00 100, \$35.00 1000; 2½ to 3-in., \$2.50 100; \$22.50 1000.
F. LUDEMANN.

3041 Baker St., San Francisco, Cal.

READY NOW—Romans, paper whites, mammoth freesias, candidums, narcissi, etc. DUE NEXT WEEK—Dutch bulbs, also large cor- signment of select callas.
W. W. BARNARD & CO., 161 Kinzie St., Chicago

PLEASE MENTION THE REVIEW WHEN WRITING ANY OF THESE ADVERTISERS.

We have a large stock of extra fine strong bulbs of LILUM HARRISII, DUTCH HYACINTHS, NARCISSI, etc. Send for our price list before ordering.

J. M. THORBURN & CO., 36 Cortlandt St., N. Y.

LILUM HARRISII. We offer a small lot which were packed for export at SPECIAL RATES as long as stock lasts. All sizes. Write for prices.

H. H. BERGER & CO., 47 Barclay St., N. Y.

Paper white grandiflora narcissus, 13 cent. and over, \$1.00 100; \$8.50 1000.

JOHNSON & STOKES, 217-219 Market St., Philadelphia, Pa.

Longifloras, Harrisii, freesias, oxalis, callas now ready. Send for our annual trade list of bulbs.

W. W. RAWSON & CO., Boston, Mass.

Just arrived—full line DUTCH BULBS. Get our prices.

JOHNSON & STOKES, 217-219 Market St., Philadelphia, Pa.

Calla bulbs, from 1 to 3-inch. State size and number wanted. Will send sample and price.

Sunset Nursery, Berkeley, Cal.

Bulbs, Plants, Seeds, Hyacinths, Tulips, Narcissus, Lilies, etc. Special prices on application.

JAMES VICK'S SONS, Rochester, N. Y.

Choice strains of florists' BULBS and SEEDS our specialty. Send for trade catalogue.

SCHLEGEL & FOTTLER CO., Boston, Mass.

Prices on all fall and winter bulbs, plants and roots cheerfully given by

F. W. O. Schmitz, Prince Bay, N. Y.

Calla and belladonna bulbs for sale.

California Nursery Co., Niles, Cal.

CARNATIONS.

FIELD-GROWN CARNATIONS. Fine, healthy plants, guaranteed to be satisfactory.

	Per 100.	Per 1,000
Flora Hill	\$5.00	\$45.00
White Cloud	5.00	40.00
Norway	5.00	40.00
Queen Louise	5.00	45.00
Her Majesty	7.00	60.00
Prosperity	7.00	60.00
Guardian Angel (Sport)	4.00	35.00
Lawson	6.00	55.00
Marquis	4.00	35.00
Mrs. Higginbotham	5.00	45.00
Mrs. Potter Palmer	5.00	45.00
America	4.00	30.00
Crane	5.00	40.00
Estelle	5.00	40.00
Chicago (Red Bradt)	5.00	40.00

WIEGAND BROS., 51 Wabash Ave., Chicago, Ill.

Field-grown carnations, strong and in fine condition. We have no stem-rot.

	100.	100.
Nelson	\$10.00	Eldorado \$6.00
Fenn	10.00	White Cloud 6.00
Lawson	8.00	Hill 6.00
Prosperity	8.00	Crocker 5.00
Bradt	8.00	Hosier Maid 5.00
Buttercup	8.00	Goodenough 5.00
Lorna	8.00	Lippincott 5.00
Orion	8.00	Sunbeam 5.00
Mitting	8.00	Scott 5.00
Mermaid	8.00	Victor 5.00
Q. Louise	6.00	Joost 5.00
Roosevelt	6.00	Irene 5.00
Jubilee	6.00	Norway 5.00
Ming Glory	6.00	Portia 5.00
Floriania	6.00	Daybreak 5.00

J. L. DILLON, Bloomsburg, Pa.

FIELD-GROWN CARNATIONS.

It has been a good growing season and plants are in fine shape, strong and bushy.

	100.	100.
G. Angel	\$4.00	Chicago \$5.00
Joost	3.00	Hill 5.00
Lord	3.00	Dorothy 6.00
Triumph	4.00	Nelson 6.00
Higginbotham	5.00	Prosperity 8.00
Crane	5.00	Mrs. Ine 4.00
Palmer	4.00	Norway 5.00
Bradt	5.00	W. Cloud 5.00
Gaiety	5.00	

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded. Cannot accept orders for less than 50 of a variety.

P. REINBERG, 51 Wabash Ave., Chicago.

Field-grown carnation plants, strong and healthy.

	100.	100.
Hill	\$5.00	Prosperity \$5.00
W. Cloud	5.00	G. Angel 4.00
Q. Louise	5.00	Joost 3.00
Norway	4.00	Marquis 3.00
Lawson	6.00	Lord 3.00
Crane	5.00	Triumph 4.00
Palmer	5.00	Higginbotham 5.00

All plants guaranteed A No. 1. If not satisfactory when received, return at once and get your money back.

GEO. REINBERG, 51 Wabash Ave., Chicago.

The best are the cheapest in the end.

Enchantress	\$120.00	1000	\$14.00
Gov. Wolcott			8.00
Lillian Pond			10.00
Marquis			5.00
Joost			3.00
Norway			3.00

Cash. C. L. HOWE, Dover, N. H.

Carnation plants. Excellent stock.
500 Lawson. 400 Higginbotham.
650 Melba. 400 Estelle.
300 Q. Louise. 300 Flora Hill.
100 Cressbrook. 150 Gaiety.
600 Joost. 100 Daybreak.
100 Potter Palmer.

While they last, \$5.00 100. Stock grown at and shipped from St. Louis.
S. S. Skidelsky, 708 N. 16th St., Philadelphia.

Field-grown carnation plants, strong and healthy.

	100.	1000.	100.	1000.
Hill	\$5.00	\$40.00	Prosperity	\$5.00
W. Cloud	5.00	40.00	G. Angel	4.00
Q. Louise	5.00	40.00	Joost	3.00
Norway	4.00	35.00	Marquis	3.00
Lawson	6.00	50.00		

GEO. REINBERG, 51 Wabash Ave., Chicago.

Choice carnation plants from field at \$3.50 per 100.

1500 Avondale.	800 Marquis.
180 Flora Hill.	800 Crane.
420 Dorothy.	

Cash with order.

GEO. A. HEINL, Toledo, Ohio.

Field-grown carnation plants, clean, strong and bushy.

	100.	1000.	100.	1000.
America	\$4.00	\$35.00	Joost	\$3.00
Gomez	4.00	35.00	Scott	3.00
A. B. EVERETT,			Berteau and No. Oakley	

Aves., Chicago.

Fine, field-grown carnation plants.

	100	1000	100	1000
Norway	\$5	\$45	Alba	\$5
Glacier	5	45	Nelson	6
Joost	5	45	Estelle	6
Crane	5	45	Gov. Wolcott	7

A. C. CANFIELD, Springfield, Ill.

Carnation plants, field-grown, strong, healthy stock. Prosperity, Queen Louise, Estelle, \$7.00 100. Mrs. G. Bradt, \$7.00 100; \$60.00 1000. Joost, \$6.00 100; \$50.00 1000. Melba, \$5.00 100; \$45.00 1000. MacRichmond, \$5.00 100; \$45.00 1000. I. H. MOSS, Govanstown, Baltimore, Md.

12,000 nice, bushy plants from field. Pink-Happy Day, Joost, Crocker, Triumph, Scarlet—Crane, at \$4.00 per 100. I will also sell a limited number only of my new whites, Cloveena and Iceberg, at \$6.00 per 100. Very profitable.

Albert Hake, Manchester, Pa.

Field grown carnations, President McKinley, (one of the best introductions of 1903), Manley, Apollo, Potter Palmer, Morning Glory, Cressbrook, Mrs. E. A. Nelson, Joost, Enquirer, Ethel Crocker, Mrs. Bradt. Write for prices.

E. T. GRAVE, Richmond, Ind.

Field-grown carnations from good healthy stock and extra selected cuttings. These are fine plants and guaranteed as represented. Gov. Wolcott, \$8.00; Queen Louise, \$5.00; Maceo, extra large, \$5.00; Crane, \$5.00; Joost, \$4.00.

BACKER & CO., Billerica, Mass.

Strong, healthy field-grown carnations. Elm City, Queen Louise, Joost, Prosperity and Admiral Cervera, first size, \$5.00 100. McGowan, first size, \$3.00; second, \$2.00 100. Queen Louise and Lord, second size, \$3.00 100.

F. H. KIMBERLY, New Haven, Conn.

WESTERN GROWERS SAVE EXPRESS on field-grown carnations. Joost, Scott, Alaska, \$3.00; Mary Wood, \$4.00; Lawson, Norway, Queen Louise, Crane, \$5.00. Careful packing. Cash, from unknown parties.

WM. L. ROCK FLOWER CO., Kansas City, Mo.

Field-grown carnation plants. Enchantress and Adonis, \$20.00 per 100; Hill, Queen Louise, Lawson and Prosperity, \$5.00 per 100, \$40.00 per 1,000; Lord, Ine, Joost, Sport and Marquis, \$3.00 per 100, \$25.00 per 1,000.

Mrs. A. M. Schafer, 229 Balmoral Ave., Chicago.

Fine, field-grown carnations.

	100.	100.
Lawson	\$6.00	White Cloud \$5.00
Triumph	5.00	Flora Hill 5.00
Crane	5.00	Glacier 5.00

Mrs. E. Kuntz, Frankfort, Ind.

About 2000 field-grown carnations, good, healthy plants of following varieties: Estelle, Crane, Lawson, \$6.00 per 100; Morning Glory, Flora Hill, White Cloud, Ethel Crocker, \$5.00 per 100.

Crown Point Floral Co., Crown Point, Ind.

Fine field-grown carnation plants. This is very nice, healthy stock. Flora Hill, Queen Louise, Marquis, Crane, Morning Glory, 1st size, \$4.00; 2nd size, \$3.00, Joost, McGowan, \$3.00.

SUNNYSIDE GREENHOUSES, Owosso, Mich.

Carnations. Extra strong and absolutely healthy plants, White Cloud, Hill, Joost, Triumph, Lawson, Norway, America, Gomes, Eldorado, Queen Louise, Daybreak, \$5.00 100; \$40.00 1000. Lamprecht Bros., Ashland, Ohio.

Carnations. Good, strong, healthy plants of Crane, Joost, Glacier, Morning Glory, Marquis, Queen Louise, White Cloud and Armazindy, \$4.00 per 100.

G. VAN BOCHOVE & BRO., Kalamazoo, Mich.

Fine, bushy field-grown carnations; no stem-rot. Lawson, Crane, Morning Glory, Joost, Avondale, \$4.00 per 100, or will exchange for Palms.

N. P. COLBERG, Morris, Ill.

Carnations, strong, field-grown plants, Hill, Joost, Daybreak, \$5.00 per 100; McGowan, \$3.00 per 100.
Bentzen Floral Co., 4025 Marcus Ave., St. Louis, Mo.

New carnation LOUISE NAUMANN, a most brilliant dark pink, fringed variety. Cuttings, \$1.25 doz.; \$8.00 100; \$70.00 1000. January delivery.

G. M. NAUMANN, Doan St., Cleveland, O.

SURPLUS CARNATIONS. Clean, healthy plants of Norway and Queen Louise, \$5.00 100; \$40.00 1,000. This stock will please you.

W. E. HALL, Clyde, O.

Field-grown carnation plants in fine shape, strong and bushy. For varieties and prices see displayed adv in this issue.

John Brod, Niles Center, Ill.

4,000 Lawson and 1,000 Queen Louise carnation plants. Exceptionally choice field-grown plants. Write for quotations.

S. S. Pennock, Philadelphia, Pa.

200 Flora Hill at 4c; 300 Joost at 3c; 70 Ine at 4c; 65 B. H. Richard at 4c; 70 Mary Wood at 4c. All fine plants.

JOSEPH BANCROFT & SON, Cedar Falls, Iowa.

SURPLUS CARNATIONS—1000 Queen Louise, 500 Estelle, 500 Dorothy, 100 Daybreak, \$5.00 per 100. Cash with order.

W. Sabransky, Kenton, Ohio.

Field-grown, Mrs. Joost, Ethel Crocker, Admiral Cervera, Glacier, G. H. Crane, Morning Glory, Prosperity.

H. F. Littlefield, Worcester, Mass.

Joost, Crocker and McGowan carnations, fine, large plants, \$3.00 per 100. No other varieties for sale.

J. Bennett, Blue Point, L. I., N. Y.

Field-grown carnations from high land and new soil, fine, healthy plants. Send for catalogue.

THOS. W. SOUTHWARD, Willimantic, Conn.

1,000,000 unrooted carnations now ready. For varieties and prices see displayed adv. in this issue.

CALIFORNIA CARNATION CO., Loomis, Cal.

Norway, G. Lord, Crane and Red Evanston, strong, healthy plants to close out quick at \$4.00 per 100. DAVIS BROTHERS, Geneva, Ill.

Field-grown carnations, 1st size, \$8.00 100; 2nd size, \$5.00 100. See displayed adv. for varieties. W. J. & M. S. Vesey, Ft. Wayne, Ind.

Strong, healthy field-grown carnations, Joost, Mrs. Ine, Daybreak, Koobinor, Scott, \$3.00 per 100.

W. F. Duntzman, Bensenville, Ill.

Fine stocky plants of Lawson, Prosperity, Queen Louise and Bradt, \$6.00 per 100.

James Patience, Stamford, Conn.

JOOST, field-grown, fine heavy plants, \$5.00 per 100; \$40.00 per 1000. Cash, please.

BURNELL & TOTMAN, Randolph, Vt.

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 1150 Maids, 3-inch 5.00 100
 900 Brides, 3-inch 5.00 100
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Strong, healthy stock at low prices to close out. Brides, Bridesmaids, Ivory, Meteors, 3-in., \$4.00 100; \$35.00 1,000. Brides, Maids, Ivory, Gates, 2 1/2-in., \$2.50 100; \$20.00 1,000; 200 at 1,000 rate. Stock guaranteed.
W. H. Gullett & Sons, Lincoln, Ill.

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We make a special greenhouse putty. Price on application. Lord & Burnham Co., Irvington-on-Hudson, N. Y.

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Siebert's zinc "Never-rust" glazing points. Sold by all seedsmen, or C. T. Siebert, Pittsburgh, Pa.

The "Model" glazing point. Zinc. Practical. Durable.
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Bull-dog hose, 7 ply, guaranteed; 3/4 in., 16c ft.
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Use SULPHO-TOBACCO SOAP and have clean, healthy plants. Sample free cake if you mention The Florists' Review.
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Send for a 5-lb. trial pkg. of our TOBACCO POWDER. Our booklet tells of it. Write Dept. D for it.
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Tobacco dust, fresh stock, \$1.75 100 lbs.; stems about 100-lb. bales, 1c per lb.
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NICOTICIDE kills all greenhouse pests. Sold by all seedsmen.

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Standard Pots. We are now ready to supply a superior quality of pots in unlimited quantities. Catalogues and price lists furnished on application.

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Those RED pots. The right kind.
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1-gallon can (16 lbs.).....\$ 1.25
5-gallon can 5.90
10-gallon can 12.00
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Sphagnum moss of first quality. Can ship at a moment's notice—2 bales, \$1.50; 10-bale lots, \$6.00. Z. K. JEWETT & CO., Sparta, Wis.

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Sphagnum moss, selected, 5-bbl. bale, \$2.25.
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American brand FLORIST FOIL—The standard foil of America.
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Wired toothpicks, 10,000, \$1.50; 50,000, \$6.25. Sample free. For sale by dealers.
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Model Extension carnation supports and galvanized rose stakes. Parker-Bruen Mfg. Co., 208 Jersey St., Harrison, N. J.

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Galvanized stakes. No. 9 straight wire. Per 1000: 3-ft., \$6.75; 3 1/2-ft., \$8.00; 4-ft., \$8.50; 5-ft., \$12.00. No less than 1000 sold. Write for prices on 10,000 and 50,000 lots.
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Galvanized wire plant stakes at rock-bottom prices. N. F. McCarthy & Co., 84 Hawley St., Boston, Mass.

We are the largest manufacturers of wire work in the west.
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We are manufacturers—no middleman's profits.
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Emil Steffens, Manufacturer of Florists' Wire Designs, 335 East 21st St., New York.

Reed & Keller, 122 W. 25th St., New York. Manufacturers of Wire Designs.

E. H. Hunt, 76-78 Wabash Ave., Chicago.

KANSAS CITY, Mo.—F. J. Taggart, for several years a merchant here and director general of our two successful flower shows, is now in the oil prospecting business, being interested in the development of lands in Chautauqua county, Kansas.

VANCOUVER, B. C.—James Pont and the Vancouver Floral Company have each added a new greenhouse to their establishment.

CLEVELAND.

The Market.

The demand and supply of cut flowers have been at odds the past week and not satisfactory to anyone. Early in the week the extreme hot weather brought on a lot of poor, soft roses that no one seemed to want at any price, while the latter part of the week found a shortage and a very brisk demand for all kinds of funeral flowers. Carnations are very scarce and poor. Asters were almost ruined by the heavy rains and hail. Gladioli are very plentiful, but in poor demand.

Various Notes.

Our Milwaukee delegation was well pleased with the trip, and all agree that it was the very best convention they ever attended.

Vacations are still in order and seem to be very popular. C. B. Wilhelmy has just returned from a two weeks' trip to New York City, Philadelphia and Atlantic City, stopping at many cities going and coming, and visiting as many florists as time would permit. Mr. Wilhelmy speaks very highly of the eastern florists, their places and the many kindnesses shown him.

F. R. Williams and family have returned from a two weeks' lake trip to West Superior and Duluth. Mr. Williams reports a delightful trip, and recommends it for anyone desiring a rest.

William Warnke spent his vacation at Painesville and had a splendid time.

E.

VANCOUVER, B. C.—James Pont, M. J. Henry, C. Helmer and Mr. Jacobs, accompanied by H. H. Page and Ed Tunnecliffe, of Henry's forces, are off on their annual hunting and fishing trip for two weeks.

ENCLOSED is another dollar for the REVIEW; I find it one of the things indispensable.—JAS. HARRIS, Milton, Ore.

Asparagus

Plumosus, 2½-inch, \$4.00, 3-inch, \$6.00 per 100.
Sprengerl, 2½-inch, \$8.00 per 100.

CYCLAMEN. 4-inch, \$10.00 per 100.
VIOLETS. California, 3-in., \$3.00 per 100; \$25.00 per 1000.

Terms Cash. Satisfaction guaranteed.

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Quality First-Class.

2200 3½-inch Maids, \$35.00 per 1000.
8500 2½-inch Mums, 20.00 per 1000, including Chadwick, Golden Wedding, Appleton, Willowbrook, Kalb and many others.

Liger, Richardson, 2½-in., strong, \$15.00 per 100.
POEHLMANN BROS. CO., Morton Grove, Ill.
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Pierson Fern September Delivery
2½ and 2¾-in... \$25.00 per 100; \$112.50 per 500
Bostons, 2½-in... 5.00 per 100; 22.50 per 500
READY NOW—Maranta Makoyana, 3-inch, \$25.00 per 100.

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100,000 Field-Grown Carnation Plants

Our plants are in fine condition, strong and not over-grown. We have no stem-rot.

Mrs. E. A. Nelson, Harry Fenn, price \$10.00 per 100.

Lawson, Prosperity, Mrs. G. M. Bradt, Buttereup,
Lorna, Oriole, LeRoy Mitting, Mermaid.
Price \$8.00 per 100.

Queen Louise, Gov. Roosevelt, Jubilee, Morning Glory,
Floriana, White Cloud, Eldorado, Flora Hill.
Price \$6.00 per 100.

Ethel Croker, Mrs. B. Lippincott, Victor, Norway,
Hoosier Maid, Sunbeam, Joost, Portia,
Goodenough, Wm. Scott, Irene, Daybreak.
Price \$5.00 per 100.

J. L. DILLON, - - Bloomsburg, Pa.

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Bentzen Floral Co.
4025 Marcus Ave.,
ST. LOUIS, MO.

A. SPRENGERI, strong plants, 3-in., \$4.00;
4-in., \$8.00; 5-in., \$15.00; 6-in., \$25.00 per 100.

A. PLUMOSUS, strong plants, 3-inch, \$10.00 per 100.

POINSETTIAS, strong plants, 2½-in., \$6.00;
3-inch, \$8.00; 4-in., \$10.00 per 100.

UMBRELLA PLANTS, strong plants, 4-in., \$8.00; 5-in., \$12.00 per 100.

BOSTON FERNS, fine strong plants, 3-in., \$10.00; 4-in., \$20.00; 6-in., \$40.00 per 100; 8-in., \$1.00 each; 10-in., \$1.25 each.

CARNATIONS, field-grown, strong plants: Hill, \$5.00 per 100. Joost, \$5.00 per 100. Daybreak, \$5.00 per 100. McGowan, \$3.00 per 100.

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Sprengerl Plants.

For 3-in. pots.....\$2.50 per 100; \$20.00 per 1000
Seedlings......75 5.00

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Glacier, Crane, Joost..... \$4.00 per 100.
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ROSES TO CLOSE OUT.
Brides, Maids, Golden Gates,
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Write for prices.

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Carnation Plants.

CLEAN, STRONG AND BUSHY.

	Per 100	Per 1000
AMERICA	\$4.00	\$35.00
GOMEZ	4.00	35.00
FRANCES JOOST.....	3 00	25.00
SCOTT.....	3.00	25.00

ALFRED B. EVERETT,

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700 Dorothy, 700 Gaiety, 400 Triumph, 1500 Joost, 300 Crocker, 500 Nelson, 1500 Glacier, 500 Maceo, 300 Roosevelt; first size, \$3.00 per 100.
500 Alba, 200 Apollo, 300 Crane; second size, \$5.00 per 100.
500 Morning Glory, 1000 Wolcott; first and second size.

ROSE PLANTS.

200 4-inch American Beauties.....\$12.00 per 100
300 4-inch Meteors..... 8.00 per 100
500 2½-inch Brides..... 8.50 per 100
250 2½-inch Balduins..... 5.00 per 100
Boston Ferns, 2½-in., \$6; 3-in., \$10; 4-in., \$15 per 100;
6-inch 50c and 75c each; 7-inch \$1.00 each.

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A most brilliant dark pink, fringed variety, cuttings in January. \$1.25 doz.; \$3 100; \$70 1000.

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Fine Field-Grown Carnations.

Lawson, \$6.00 per 100; Triumph, \$5.00 per 100; Crane, \$5.00 per 100; White Cloud, \$5.00 per 100; Flora Hill, \$5.00 per 100; Glacier, \$5.00 per 100

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Roses EXTRA STRONG

American Beauty.....3½-in.....\$10.00 per 100
Golden Gate.....3½-in..... 8.00 per 100

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It has been a good growing season
and plants are in fine shape,
strong and bushy.

	Per 100	Per 1000
Guardian Angel	\$4 00	\$35 00
Mrs. Frances Joost	3 00	25 00
Genevieve Lord	3 00	25 00
Triumph	4 00	35 00
Mrs. Higinbotham	5 00	40 00
G. H. Crane	5 00	40 00
Mrs. Potter Palmer	4 00	35 00
Chicago	5 00	40 00
Mrs. Ine	4 00	35 00
Flora Hill	5 00	40 00
Dorothy	6 00	50 00
Mrs. Nelson	6 00	50 00
Prosperity	8 00	75 00
Norway	5 00	40 00
White Cloud	5 00	40 00
Mrs. Geo. M. Bradt	5 00	40 00
Gaiety	5 00	

All stock sold under express condition
that if not satisfactory it is to be returned
immediately when money will be refunded.

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Have yet on hand for sale strong,
healthy, field-grown

Carnation Plants

as follows:

WHITE—No. 1 Elm City, \$5.00 per 100; No. 1
Queen Louise, \$5.00 per 100; No. 1 L. McGowan,
\$3.00 per 100.

PINK—No. 1 Joost, \$5.00 per 100; No. 1 Pros-
perity, \$5.00 per 100.

VARIEGATED—No. 1 Ad. Cervera, \$5 per 100.
No. 2 Queen Louise, \$3.00 per 100; No. 2 Gene-
vieve Lord, \$3 per 100; No. 2 McGowan, \$2 per 100.

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Carnation Plants

Excellent stock
in the follow-
ing varieties:

500 Lawson, 650 Melba, 400 Higinbotham, 400
Estelle, 300 Queen Louise, 800 Flora Hill, 100
Cressbrook, 150 Gaiety, 600 Joost, 100 Daybreak,
100 Potter Palmer. While they last \$5.00 per 100.
Stock grown at and shipped from St. Louis.
Address

S. S. SKIDELSKY, 708 N. 16th St., PHILADELPHIA, PA.

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1,000,000 Unrooted Cuttings Now Ready.

White.	100	1000	5000
Queen Louise	\$0.75	\$ 7.00	\$30.00
Flora Hill	.75	7.00	30.00
Norway	.75	7.00	30.00
White Cloud	.75	7.00	30.00
Alba	1.80	18.00	60.00
Wolcott	1.80	18.00	60.00
Lillian Pond	3.00	25.00	115.00
Pink.			
Lawson	.75	7.00	30.00
Marquis	.75	7.00	30.00
Genevieve Lord	.75	7.00	30.00
Argyle	.75	7.00	30.00
Mermaid	.75	7.00	30.00
Guardian Angel	.75	7.00	30.00
Cressbrook	1.25	10.00	45.00
Higinbotham	1.25	10.00	45.00
Mrs. Theo. Roosevelt	3.00	25.00	125.00
Success	2.50	25.00	100.00
Scarlet.			
Crane	.75	7.00	30.00
America	.75	7.00	30.00
Scarlet.			
Estelle	\$1.00	\$ 9.00	\$40.00
Mrs. Palmer	1.00	9.00	40.00
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Harlowarden	2.50	22.00	100.00
Gov. Roosevelt	.75	7.00	30.00
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Yellow.			
Eldorado	.75	7.00	30.00
Gold Nugget	1.00	9.00	40.00
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Violania	6.00	50.00	225.00
M. Field	2.50	22.00	100.00
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Prepaid to your city at above Spot Cash Prices.

California Carnation Co., L. Box 103. Loomis, Cal.

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Winter Flowering Roses.

Fine healthy stock from selected cuttings. Sunrise, American Beauty,
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Brides, Maids, Golden Gates, Meteors, Safrano, Bon Silene, Mme.
Hoste, Papa Gontier, 3-in. pots, \$5.00 per 100.

GRAFTED ROSES. Fine bushy plants in 3½ and 4-in. pots.

Liberty, Ivory, \$15.00 per 100. Brides, Maids, Golden Gates,
Kaiserin, \$12.00 per 100.

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FIELD-GROWN, STRONG, HEALTHY STOCK.

PROSPERITY	\$7.00 per 100
QUEEN LOUISE	7.00 "
ESTELLE	7.00 "
Mrs. G. BRADT	\$7.00 per 100; 60.00 per 1000
Mrs. JOOST	6.00 " 50.00 "
MELBA	5.00 " 45.00 "
MacRICHMOND	5.00 " 45.00 "

JEROME JONES MUMS, 2½-in. pots, 3.00 per 100

HARDY ENGLISH IVY, strong, 3-in. pots,
\$5.00 per 100; \$40.00 per 1000.

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THE BEST

Are the Cheapest
IN THE END.

Enchantress	per 100, \$14.00	Per 1000, \$120.00
Gov. Wolcott	per 100, 8.00	
Norway	" 4.00	
Lillian Pond	" 10.00	
Marquis	" 5.00	
Joost	" 5.00	

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C. L. HOWE, CARNATION SPECIALIST, Dover, N. H.

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CARNATIONS F. DORNER & SONS CO., LaFayette, Ind.

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Field-Grown Carnation Plants

	Per 100	Per 1000
Mrs. Lawson	\$6 00	\$50 00
Flora Hill	5 00	40 00
White Cloud	5 00	40 00
Queen Louise	5 00	40 00
Norway	4 00	35 00
Prosperity	5 00	40 00
Guardian Angel	4 00	35 00
Joost	3 00	25 00
Marquis	3 00	25 00
Genevieve Lord	3 00	25 00
Triumph	4 00	35 00
Mrs. Higinbotham	5 00	40 00
G. H. Crane	5 00	40 00
Mrs. Potter Palmer	5 00	40 00

All plants guaranteed A No. 1. If not satis-
factory when received, they are to be re-
turned at once, when money will be refunded.

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The Best Varieties of 1902.

All the Standard Varieties.

Send in your orders for Field Plants now.

GEO. HANCOCK & SON, Grand Haven, Mich.

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writing advertisers.

AN EDITORIAL ENDORSEMENT.

The following editorial under the caption, "Why Not?" appeared in the Washington Post, August 22:

At the annual meeting of the Society of American Florists and Ornamental Horticulturists, at Milwaukee, on the 20th inst., Mr. William Scott, of Buffalo, read a resolution, which was adopted, asking the Department of Agriculture at Washington to build greenhouses, as some of its experimental work, and attempt to solve the problem of the florists in plant nutrition, propagation, and culture, as it did the farmers' problems.

It strikes us that this is not a bad suggestion. Floriculture is a great and a very rapidly increasing business. We can mention no other of the very ancient callings that has, in the last four or five decades, developed so rapidly as this. It would be quite within bounds to say that the sale of flowers in this city has increased ten-fold since 1865. This may be, to some extent, an exceptional growth, but something closely akin to it has been going on in all American cities. The Agricultural Department has greenhouses and makes a superb floral display in its home grounds; but it might well go much further.

If it be suggested that the element of utility is lacking, because flowers are not edibles, we reply that all things which minister to the love of beauty, all things that refine and elevate the mind, are useful. There is practical utility in any and all agencies for improving the race. The esthetic sense may quite as properly receive the attention of the Department of Agriculture as the appetite for hog and mowing. An art which develops one of the most beautiful flowers from a common pasture weed is not to be lightly esteemed.

THE BEST.

I received the Convention Number of your paper and please accept thanks for same; it is a complete work, the best I have seen, and makes me think I cannot do business without the REVIEW. Enclosed find \$1 for a year's subscription.—J. M. LOWN, Rhinebeck, N. Y.

ROCKTON, ILL.—Robert Forward and W. W. Liddle have purchased the Gammon greenhouses and will re-erect them just east of town, where they will conduct a general florist and gardening business.

FINEST DISPLAY OF
BOSTON AND PIERSONI FERNS

at Milwaukee grown in the west was

GEO. A. KUHL'S, PEKIN, ILL.

Order at Once.

Boston Ferns.	Pierisoni Ferns.
2½-in. \$ 5.00 per 100	2½-in. \$0.85 each
3-in. 10.00 "	50 at. .... .30 "
4-in. 15.00 "	100 at. .... .25 "
5-in. 25.00 "	3-in. .... .50 "
6-in. 40.00 "	4-in. .... .75 "
7-in. 60.00 "	5-in. 1.00 "
8-in. \$1.00 to \$1.50 each	6-in. 1.50 "
10-in. 2.00 to 2.50 "	7-in. 2.50 "
	8-in. 3.00 "

Asparagus Plumosus—2-in. \$5.00. 3-in. \$8.00. 4-in. \$15.00 per 100. **Asparagus Sprengeri**—2-in. \$3.50. 3-in. \$5.00. 4-in. \$10.00 per 100.

Send your order at once for delivery any time from now until Christmas.

Also field-grown carnations to close out, Mrs. Frances Joost, Mrs. Fisher. Write for prices.

GEO. A. KUHL, PEKIN, ILL.
Mention the Review when you write.

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Send for my Floral Album, size 12x11, containing 24 different funeral designs. Sent to any part of the country by express, \$7.00 c. o. d.

226-226½ Bowery, NEW YORK.

SMILAX!

Good strong stock, 2-inch pots, at \$1.25 per 100; \$10.00 per 1000.

Asparagus Sprengeri Seedlings, strong plants from flats, \$1.00 per 100. Prepaid.

E. I. RAWLINGS, Quakertown, Pa.

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The New.. **NEPHROLEPIS PIERSONI**

The most valuable novelty introduced in years. Fine, thrifty plants, \$30.00 per 100; \$250.00 per 1000.

BOSTON FERN

\$5.00 per 100; \$40.00 per 1000; larger plants, \$10.00 per 100; \$95.00 per 1000.

Anna Foster Fern

Plants ready for 5-inch pots, \$25.00 per 100; 6-in., \$35.00 per 100.

SEEDLING FERNS

Fine plants, ready for 2¼-in. pots, \$10.00 per 1000.

John Scott,

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LOOK! Don't miss these BERRIED
PLANTS FOR CHRISTMAS

Solanum Ciliatum or Adam's Apple, large, bright red berries, 3-in. pots, 5c; 4-in. pots, 10c each.

Solanum Annum or Celestial Peppers, 4-in. pots, 10c each.

Solanum Capsicastrum or Jerusalem Cherry, large berries, var., 3-inch pots, 5c each.

Stevia, 2½-inch pots, 2½c; 4 inch pots, 6c each.

Stevia Variegata, 3-inch pots, 5c each.

Genista, large flowering variety, 3-inch pots, 5c each.

Hydrangea Otaksa, pink and blue, 3-in. pots, 5c; 4-in. pots, 8c each.

English Ivy, 2½-inch pots, 5c each.

All these plants are strong and clean and ready to ship. Cash. Satisfaction guaranteed.

M. F. LaROCHE, Collingdale, Pa.

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1000 Poinsettia

1-year-old, 4-inch, \$12.00 per 100.

Asplenium Tenuensis,

1000, \$4.00 per 100.

JOHN BREITMEYER'S SONS,
Detroit, Mich.

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Studer Offers...

Fine healthy plants ready for a shift. Ferns—Bostons, from pots, better than from benches, need no nursing, 5-in., 40c; 7-in., 75c. **Lomaria Gibba**—Extra fine 4-in., 15c; 6-in., 30c; 6-in., 40c. **Davallioideus Furcans**—4-in., 20c; 6-in., 50c; 7-in., 75c. **Alsophila Australis**—Fine specimens, 11-in. pots, \$3.00 each; mixed ferns, 2½-in. pots, 3c. **Washingtoniensis**—7-in., \$1.00. **Rubbers**—5-in., 35c. **Palms**—**Latania**, 7-in., \$1.00. **Latania**, **Phoenix**, **Caryota Urens**, **Chamaerops** **Excelsa**, ready for 4-inch pots, 6c.

Plants for fern pans, etc. **Selaginella**, **Asparagus Sprengeri**, **Sansevieria**, **Marantas**, **Carex Japonica**, **Cyperus Alternifolia**, **Anthurium**, **Dieffenbachias**, **Alocasias**, etc., 3c to 5c.

FINE CUT ROSES—**Brides**, **Maids**, **Ivory**, **Gates**, 3c; **Meteors**, 5c; **Beauties**, 10c.

FIELD-GROWN ROSES:

30,000 ready in October. Hybrids, Hybrid Teas, Monthlies, Mosses, Climbers. Also any quantity of bedding stock, rooted cuttings. Of above I will exchange for field-grown carnations 10 per cent. discount per 100. Cash with order.

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CHICAGO.

Our new Catalogue will be ready for mailing about September 15th.

NEW BEDFORD, MASS.

We had very cool weather for the month of August. Old-timers say it is the coldest August for twenty-two years. There is plenty of funeral work, but not much of anything else to do. Asters are very plentiful. We are getting some very nice Semples.

A visit to S. S. Peckham's greenhouses in Fairhaven found him very busy installing a little water works of his own. Mr. Peckham has had harder work getting a sufficient supply of water than a man would have getting a supply of Milwaukee beer in a no-license town, but he thinks he is on easy street now so far as water is concerned. He is getting his water from a never failing spring about a quarter of a mile from his place, pumping it to his greenhouse with a petroleum engine. Mr. Peckham's stock is looking fine and his houses are all cleaned up in good shape for the coming winter.

E. Y. Pierce has just finished a new house and has it planted in chrysanthemums.

A. B. Hathaway has not yet finished his new house, but says he will have it completed in a few days.

Arthur Ashley, formerly manager of the Tuxedo Greenhouses, is erecting a new house, 30x140, on Hillman street. He intends to fill it with carnations.

The Mann brothers, of Randolph, have been the guests of E. H. Chamberlain.

Mr. Munson, of New Haven, Mr. Ringier, of Bobbink & Atkins, Mr. Greenlaw, of N. F. McCarthy & Co., and a new man from W. A. Manda's, whose name we did not learn, have all been recent visitors.

R. E. Nofftz has returned home from a visit to his old home in Germany. Dick is looking fine. He says he is feeling much better and would like to have staid longer. You will hear something from the Florists' Club now that Dick has returned.

OMAHA.

The past week was an improvement over the preceding one, but that is not saying much. Stock is very poor and scarce, caused by excessive rains. The heaviest rainfall ever experienced in Omaha came Wednesday, August 26, almost six inches in twelve hours, and in thirty hours over nine inches of water fell.

L. Henderson and Wm. Ellsworth and wife have returned from their eastern trip.

Miss Maude Quarnstrom, with A. Donaghue, has returned to her post after spending a fortnight on a farm.

J. H. B.

PITTSBURG, PA.—W. W. Woodford is building a greenhouse 27x300.

PRIMROSES.

Chinese, 2-in. pots \$2.00 per 100
Obconica, alba and rosea 2.00
Forbesi, "Baby" 2.00

Fancy Seed, Ne plus ultra, August. 4.00 per oz.

Cinerarias, 2-inch pots 2.00 per 100

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JOS. H. CUNNINGHAM, - - Delaware, Ohio.

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Sprengeri \$2.00 per 100
Plumosus Nanus 2.50
Narcissus, paper white grandifl.,
Sept. 1 1.00
Pansy Plants, ready Sept. 20th... .50
\$3.00 per 1000.

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Geraniums—Pink, white, red and scarlet, single and double. Vincas—3 and 4-in. pots, 5c and 10c each. English Ivy—3 and 4-in. pots, 5c and 10c each. Fuchsias—3 and 4-in. pots, pink, white and dark blue, 8c, 10c and 15c each. Sweet Scented Geraniums—3 and 4-in. pots, 8c and 10c each. Coleus—3 and 4-in. pots, fancy, 8c and 10c each. Hydrangeas—3 and 4-in. pots, 10c and 25c each. Hibiscus—3 and 4-in. pots, 15c and 25c each. Boston Ferns—20c, 40c and 75c each. Palms—25c, 50c, 75c and \$1.00 each. Fancy Violet Stock—Potted, set with buds, Imperial, Swanley White, Wales, Marie Louise, Farquhar, Campbell, Hardy English, from 3, 4 and 5-in. pots, at \$4.00, \$5.00 and \$6.00 per 100.

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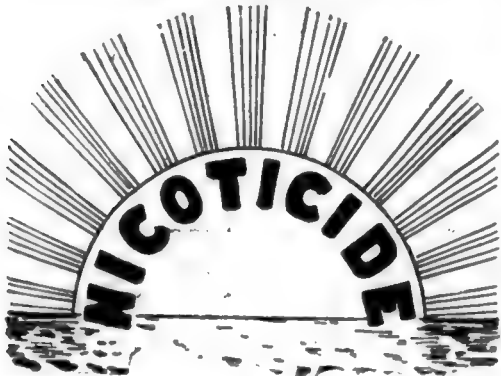
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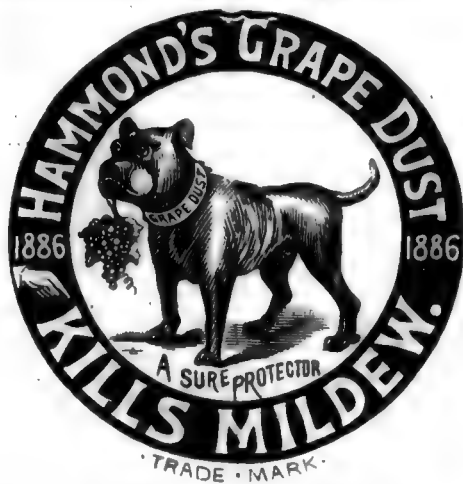
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G. L. GRANT, EDITOR AND MANAGER.

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THE FLORISTS' PUBLISHING CO.

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INDEX TO ADVERTISERS.

This index covers only those having displayed advertisements. There is a host of others making offers in our classified ads, and they will be found there under their proper headings.

Allen, J. K.	604	Gebhardt, C.	619
Amling, E. C.	54	Ghorini, W.	601
Aschmann, Godfrey	101	Giblin & Co.	624
Baker, W. J.	101	Graham, H.	609
Ball, C. D.	618	Gude & Bro., A.	68
Barnard & Co.	535	Gullett & Sons	607
Bassett & Washburn	606	Guttman, A. J.	605
Bayersdorfer & Co.	586	Hammond, Benj.	621
Beach, D. S.	621	Hammond, J. A.	64
Beckert, W. O.	601	Hancock, Geo. & Son	617
Beneke, J. J.	104	Harbison, S. M.	618
Bentley & Co.	603	Hauswirth, P. J.	648
Bentzen, Floral Co.	616	Hawk, Leon, Chas.	100
Berger, H. H. & Co.	586	Hawcock, Jos.	586
Bernheimer, E.	603	Hellon Upton	621
Berulug, H. G.	107	Herr, A. M.	606
Bonnot Bros.	634	Herrmann, A.	586
Boston Co-operative		Hicks & Crawford	605
Ass'n	599	Hill Co., E. G.	603
Bowe, M. A.	68	Hippard, E.	622
Bradshaw & Hartman	64	Hitchings & Co.	620-22-21
Brague, L. B.	617	Holton & Hunkel Co.	603
Brant & Noe	599	Howe, C. L.	617
Breitmeyer's Sons		Hunt, E. H.	103
	603-18	Igoe Bros.	621
Brod, J.	60	Jacobs & Son	622
Bruns, H. N.	106	Johnson & Stokes	608
Buckley Plant Co.	619	Jurkens, Aug.	603
Budlong, J. A.	103	Kasting, W. F.	583
Burpee, W. Atlee &		Kellogg, Geo. M.	603
Co.	601	Kennicott Bros. Co.	585
Caldwell Co., W. E.	622	Kimberly, F. H.	617
Caldwell The Woods		Kramer & Son	611
man Co.	603	Kreshover, L. J.	604
California Carnation		Kroeschel Bros. Co.	624
Co.	617	Kuehn, C. A.	107
California Nursery	60	Kuhl, Geo. A.	616-18
Campbell, C. H.	66	Kuntz, E.	616
Century Flower Shop	608	Lager & Hurrell	616
Chicago Carnation		Lange, A.	608
Co.	585	Langjahr, A. J.	604
Clarke Bros.	604	Larkin Soap Co.	620
Clarke's Sons, David	104	La Roch., M. F.	613
Classified Advs.	60	Lecakes & Co., N.	105
Converse Green-		Limbach, C.	624
houses	609	Livingston Seed Co.	620
Cottage Gardens	604	Loomis Floral Co.	599
Cowee, W. J.	623	Lord & Burnham	624
Crabb & Hunter	609	Ludemann, F.	607
Crowl Fern Co.	101	McConnell, Alex.	608
Crooke Co., J. J.	621	McCray Refrigerator	609
Cunningham, J. H.	620	Co.	609
Dearborn Engraving		McCullough's Sons	607
Co.	596	McManus Jas.	604
Dickinson Co., Albert	601	McMorran & Co.	586
Dietch, A. & Co.	63	Meehan, C. E.	619
Diller, Caskey & Co.	632	Michigan Cut Flower	
Dillon, J. L.	616-17	Exchange	607
Dillon Greenhouse		Mittag, C.	604
Mfg. Co.	624	Moninger Co., J. C.	603
Dixon Crucible Co.	621	Moon Co., W. H.	600
Dorner, F. & Sons Co.		Moore, Hentz & Nash	604
	617	Moss, Isaac H.	617
Dreer, H. A.	614	Muno John	606
Dunn & Co., C. A.	601	Murphy, Wm.	607
Dunne & Co.	56	National Florists'	
Dwyer & Son, T. J.	60	Board of Trade	605
Eickholt, Mrs. Chas.	608	Naumann G. M.	616
Elliott J. L.	611	N. Y. Cut Flower Co.	604
Elia, F. M.	107	Niessen, Leo	603
Everett, A. B.	66	Oechlein Bros.	609
Fehr, A. G.	586	Park Floral Co.	603
Fellouris, A. J.	593	Parker-Bruen Co.	61-23
Finley, C. E.	623	Peacock, W. P.	603
Florists' Hall Asso.	586	Pennock, S. S.	602-8-6
Foley, J. J.	618	Parkins, J. J.	105
Foley Mfg Co.	623	Peterson's Nursery	600
Foster, L. H.	596	Philadelphia Whole-	
Garland, Geo. M.	624	sale Flower Market	605
Garland, Frank	603	Pierce Co., F. O.	621
Gasser Co., J. M.	103	Pierson Co., F. R.	55
Geller, Sigmund	586	Pierson-Sefton Co.	604
		Piggott, H. F.	616
		Pittsburg Cut Flow-	
		er Co.	606

Poehlmann Bros.	606-16	Smith Co., W. & T.	600
Pollworth Co.	619	Sprague Smith Co.	624
Quaker City Machine		Stern & Co., J.	586
Works	68	Stewart, S. B.	609
Randall, A. L.	603	Stoohoff, H. A.	61
Rawlings, E. I.	68	Studer, N.	68
Rawson & Co.	601	Suzuki & Iida	101
Raynor, J. I.	68	Swanson, Aug. S.	604
Reed & Keller	584	Syracuse Pottery	623
Rogan Ptg. House	586	Thornburn J. M. & Co.	601
Reid, Edw.	68	Thornhedge Green-	
Reinberg, Geo.	617	house	619
Reisberg, P.	606-7-17	Tobacco Warehouse-	
Rice Bros.	66	ing & Trading Co.	621
Rice, M. & Co.	595	Traendly & Schenck	601
Riedel & Spicer	604	Vasey, W. J. & M. S.	616
Robinson & Co.	58	Vincent, Jr. R. & Son	101
Rock, W. L.	68	Virgin, U. J.	101
Roehrs Julius	585	Vredenburg & Co.	600
Rupp, J. F.	69	Wagner Park Con-	
Ryerson U. C.	620	servatories	619
Safer, W. H.	607	Weber, F. O.	603
Saltford	604	Weber & Sons	616
Saltford G. O.	604	Welland, M.	603
Sampson, Wm.	605	Welland & Risch	604
Schmitz, F. W. O.	556	Whitton, C.	107
Seollay, J. A.	624	Whitton, S.	69
Scott, John	618	Wiegand & Sons	603
Scott, W.	608	Wietor Bros.	106
Sheridan, W. F.	64	Wilke Mfg Co.	62
Shibeley	608	Williams Co., F. R.	604
Siebert, C. T.	623	Winterson Co., E. F.	60
Siebrecht & Son	609	Wittbold Co.	604
Sievers & Boland	603	Young, John	64
Sinner Bros.	608	Young, J. W.	607
Skidelsky, S. S.	617-19	Young & Nugent	604
Slunn, Jr. B. S.	604	Zirngiebel, D.	599
Smith & Son, N.	619	Zvolanek, A. C.	601

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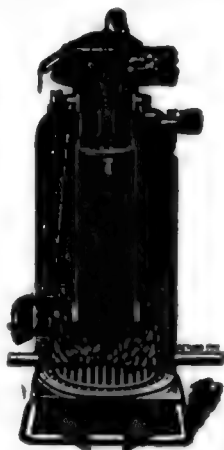
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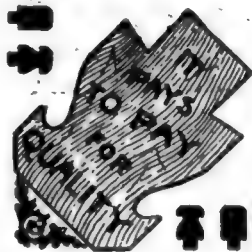
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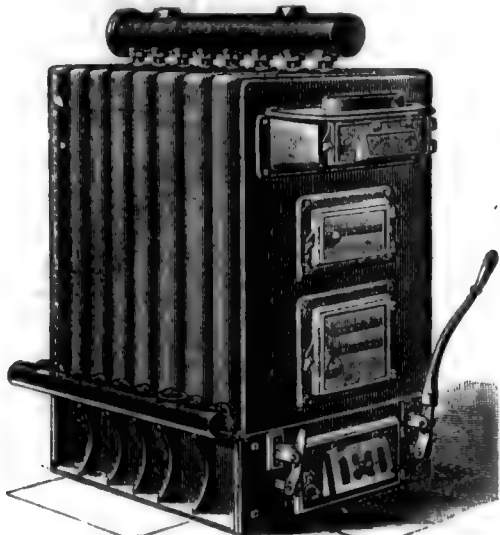
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Yours very truly, ROBERT C. BANCROFT.
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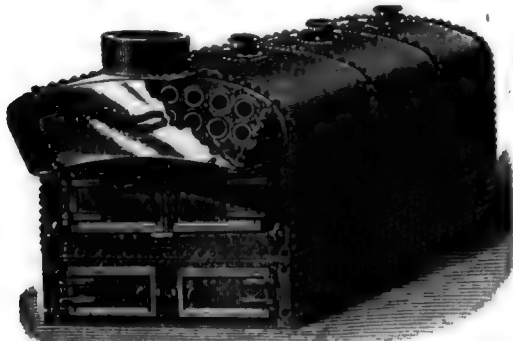
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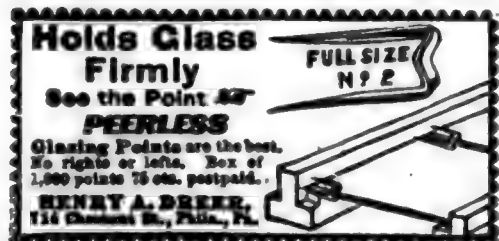
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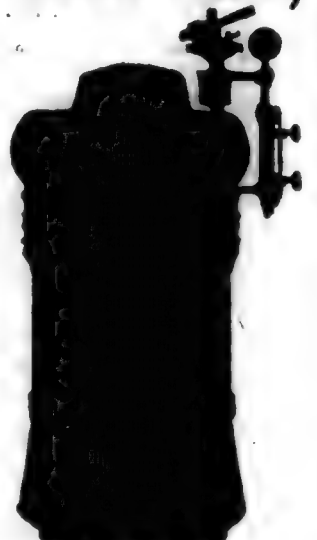
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FLORISTS' PUBLISHING CO., 530-535 Caxton Building, CHICAGO.

Vol. XII.

CHICAGO AND NEW YORK, SEPTEMBER 10, 1903.

No. 302.

Lilium Harrisii

As is well known, we are headquarters for Lilium Harrisii. We have completed filling our early orders and now offer a limited quantity of late-dug bulbs, which we can supply as long as stock remains unsold. No finer bulbs reach this market — well matured, carefully selected, packed in cocoanut fibre.

6 to 7-in. bulbs (not 5 to 7s as usually packed) 350 to the case, \$4.00 per 100; \$35.00 per 1000.
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FLAMINGO, Scarlet; LADY BOUNTIFUL, White; INDIANAPOLIS, Cerise Pink, \$12.00 per 100; \$100.00 per 1000

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CHICAGO CARNATION CO. — Sirs: Enclosed find check for \$50.00 for the Carnation plants. They were very fine plants and I am well pleased with them. They were packed so nice and came in good condition.
Yours, [Signed] H. GLENN FLEMING.

FAIRMONT, W. VA., August 31, 1903.

Begonia Lorraine,

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DEARBORN ENGRAVING CO.,

300-306 Dearborn St., CHICAGO.

Impressions of Western Growing Methods.

BY JOSEPH HEACOCK, WYNCOTE, PA.

One of the pleasantest features of the convention of the S. A. F. is the opportunity it gives of meeting our brethren of distant parts of our great country, and when time permits to see their places; to actually shake hands and talk with the man who has the largest greenhouse establishment in the world, to compare notes and then to feel how far these men of Chicago have passed us of the east.

A party of twenty-five were, on the Saturday after the convention, piloted from the center of Chicago to Peter Reinberg's. A pleasant ride of nearly an hour by trolley, and it was announced "we get out here." One of the party on a rear seat, upon arising and catching his first view of the houses, the ends of which, abutting on the street, reached nearly half a mile along the highway, raised his hands towards heaven and exclaimed, "Oh! my God!"

I shall never forget the first view, for it seemed to me that there was nothing to be seen but glass. Nor shall I forget the last view, for there stood those ten immense brick stacks (besides several belonging to Geo. Reinberg) some seventy-five feet high, standing like sentinels, as it were, over all that glass.

No time was lost, and we were conducted through house after house of carnations and roses, all in fine condition, until we met and were introduced to the proprietor. We of the east have been under the impression that these immense places in and around Chicago have been developed from the sale of land that had become immensely valuable as the city had grown up around them. One has but to go through them to see that this is a mistake, and when I told Mr. Reinberg of the impression we had, his answer was characteristic of the man in frankness. "Twenty years ago I owned this ground and was in debt \$5,000. Seventeen years ago I built my first greenhouse with borrowed money and grew lettuce in it. I have recently bought forty-five acres two miles from here so as to get soil in the future." We were told by another that that crop of lettuce paid so well that in a few months Mr. Reinberg took the money back to his good friend that had loaned it to build his first house.

They have over 1,000,000 feet of glass (nearly as much as all the glass around Philadelphia) and use over 10,000 tons of coal per annum under thirty-four steam boilers. A new block of houses has just been finished nearly 300 feet square, built on the ridge and furrow plan, using the Garland gutter, it being supported on iron posts about eight feet from the ground. They have been planted and everything is promising well. It is a beautiful house, not a partition of any kind in it.

We were introduced to Mr. Collins, the foreman on the place, who has been with Mr. Reinberg since he commenced growing roses. One of the latter's strong points, it is easily to be seen, is to know a good man and then to keep him.

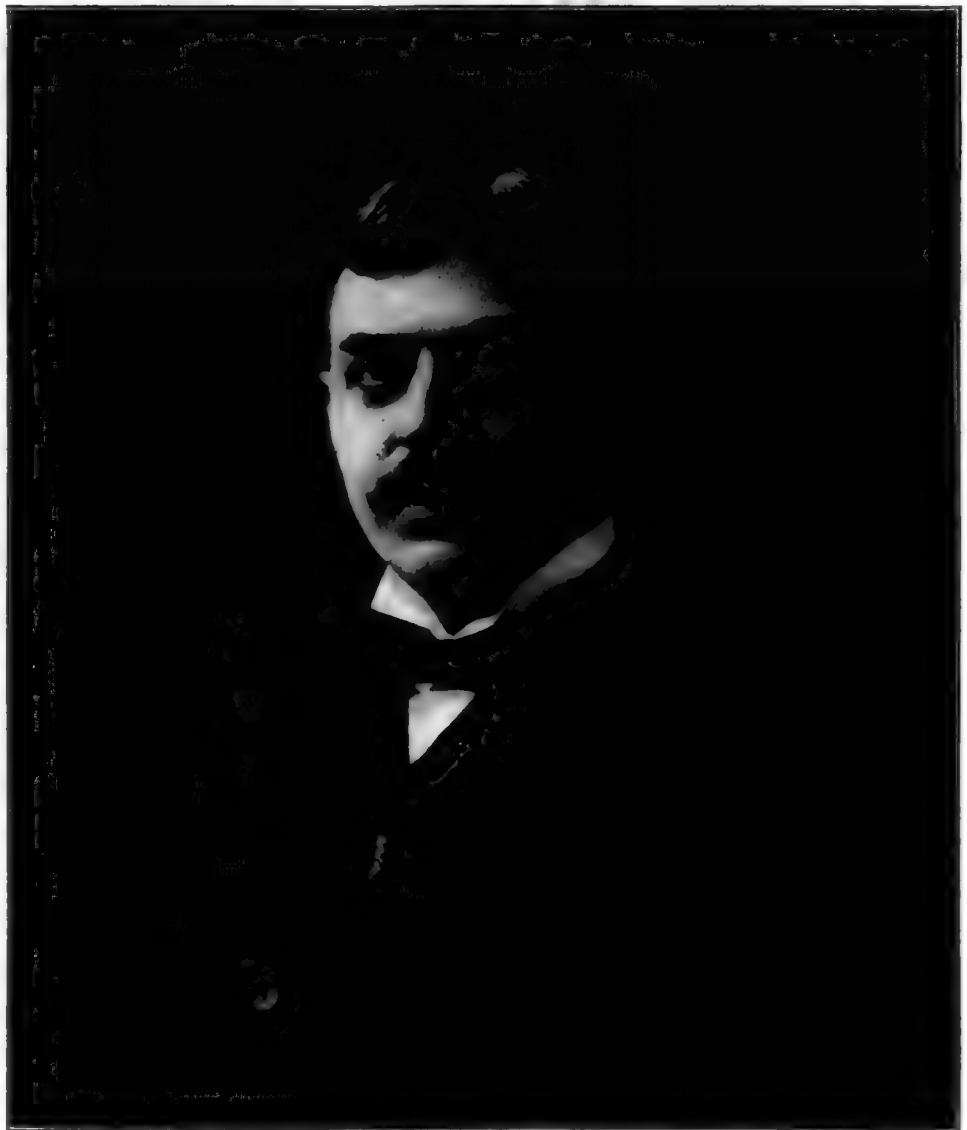
In the afternoon we went out to Western Springs, where we were served with a very substantial lunch and were then treated to a straw ride to Bassett & Washburn's place at Hinsdale, where we saw roses and carnations in such fine condition that it made at least one eastern grower envious. What a magnificent growth they had! And what quantities of manure they used! They have a good soil and brains to use it. But with all these brains, soil and manure the Chicago places owe their immense growth to the railroad facilities that center at that place. Their product is known from Pittsburg on the east to

eled 1,400 miles into the enemy's country to prove that the best roses were grown around Philadelphia. He came home feeling that he was right. If he ever goes again he will expect to be licked.

JOSEPH HEACOCK.

PRESIDENT BREITMEYER.

We note that William Scott was pleased with the portrait of President Philip Breitmeyer, of Detroit, which appeared in our Convention Number; not so the president himself. Not only did that portrait show the new executive as he was in the days which, if they were not of the long ago, were certainly some years back, but he was there arrayed in full dress, apparel which should never be seen before the dinner hour, and Mr. Breitmeyer observed that so great was the interest in the Convention Number and its fresh, clean contents, that not one subscriber left the wrapper on his paper until after dinner; but, quite the contrary, lost no time in letting the sun of morning in upon that portrait of our president in his evening suit. As we were partly responsible for this breach



Philip Breitmeyer, President-Elect of the S. A. F., from a new Photograph.

the Rocky Mountains on the west; from Canada on the north to the Gulf on the south.

We returned to Chicago much pleased with our day's outing and regretting that we had not more days to spend in the same way, promising ourselves to take a few days off from our labor and go again to see more of the great places around Chicago. The writer once trav-

of the proprieties, in that we did not give Mr. Breitmeyer's portrait time to change its clothes before parading it before the admiring people that morning after the convention, we take pleasure in presenting here a picture which does its subject better justice.

MOMENCE, ILL.—J. Sandstrom has just completed two new houses 50x150 each.

CARLSON'S ASTER.

The accompanying illustrations are from photographs showing two fields of Carlson's Improved aster. These fields are growing northwest of Chicago and are for E. H. Hunt's seed crop. No blooms are being cut and the plants are being carefully rogued to eliminate any not true to type. There is very little disease and no yellows. This variety originated at Washington Heights, just outside of Chicago, and was originally put on the market by the venerable D. S. Heffron. It is a vigorous, strong grower, producing very large flowers on long stems, and a characteristic is that very few of the flowers show a yellow center, which is a quite common fault this season with many varieties.

CANADIAN FLORISTS' CONVENTION.

The sixth annual convention of the Canadian Horticultural Association was held at Toronto, September 2 and 3. President Thos. Manton was in the chair and the association was well represented by members from all over Ontario, Quebec and a few from the maritime provinces. The delegates were welcomed to the city by Mayor Urquhart and Ald. Hubbard, and the reply to the address of welcome was delivered by Mr. Walsh, of Montreal, who certainly gave Toronto great credit for the rapid advances she had made in horticulture.

After these opening formalities, the president's address was given. He dwelt at some length on the labor question, also the different experiences by many importers in having goods properly appraised by the customs officers. In his remarks on the labor question, he said that the reason that better help can not be se-

in charge by the Steel Briggs Seed Co., and entertained at their grounds.

At the afternoon session a paper on "Floral Art and Value" was given by H. G. Dilleuth, manager of Dunlop's King street store. In the evening a paper was given by A. Gibb, of Montreal, on "Public Parks and Squares." R. W. King, of Toronto, read a paper on "Greenhouse Construction and Operation," dealing with heating and ventilating in a practical way.

E. J. Mepsted gave the association an invitation to Ottawa for next year, which was accepted on motion of Messrs. Bennett and Robinson, of Montreal. Judges were appointed to examine the trade exhibit and report.

Thursday morning the delegates were taken in hand by the city council and after driving around the city, were taken to High park and entertained to luncheon. From there they went to the trial grounds of the William Rennie Seed Co. Here the visitors were photographed. From there they returned to the exposition grounds and the concluding session was held in Directors' hall. Thursday evening a banquet was tendered to the delegates by the Toronto Gardeners' and Florists' Association.

At the Thursday afternoon session much comment was made upon the trade exhibit and the Toronto delegates received some chaff from Hamilton and other delegates, who considered that the trade exhibit was not up to the Hamilton exhibit. Especially did the King Construction Co. and D. J. Sinclair get the benefit of this, as they put up quite a large exhibit at Hamilton last year and were noticeable this year by their absence.

The election of the officers was held Thursday evening and results as follows: President, E. J. Mepsted, Ottawa;

Manton, was presented with a beautiful arm-chair in recognition of his valuable services to the association during the past year.

Notes and Comments.

It will be well if Ottawa will take a practical pointer for next year on the mistakes that have been made the past two years in regard to trade exhibits. Last year the convention met some two miles from the hall in which the exhibition was held. This year it was four miles, and with the program of three sessions a day, it was impossible for delegates to visit the trade exhibition for more than an hour or so during the whole convention. If Ottawa could make it possible to hold the convention and trade exhibition in the same hall many of the large exhibitors will be inclined to take it up again. D. J.

We are growing older and wiser, too, it is to be hoped. Certainly we are growing in bulk. The sixth annual convention, just held in Toronto, was decidedly the most successful in every respect that has been. (Someone perhaps may tell you, with the exception of the trade exhibit; the writer believes, without exception.) The meetings were well attended, the number of delegates was one-third larger; the papers were most interesting and instructive; the discussions, when the boys did get going, were bright and lively; the president was a general favorite; the round of entertainment was continuous and the utmost sociability and good will prevailed. What more could possibly be wanted? The enterprise of Montreal and Ottawa is especially to be lauded, both cities sending large contingents of "jolly good fellows" and "daisies." Kingston sent a contingent of one, but he represents his city in a manner entitling him to be called a Timothy Eaton, chrysanthemum. (The next one sent out, bigger and better than Timothy Eaton, should be called Orlando Johnson.) The champion long distance delegate hailed from Truro, Nova Scotia. He was rewarded by being elected second vice president for the ensuing year. One of the most pleasing incidents of the convention was the presentation of a roll top desk to the retiring president, Thos. Manton. It was the unanimous opinion of the delegates that he thoroughly deserved all he got. There are "daisies" and "chrysanthemums" and "jolly good fellows." Tom is all three rolled together and has a heart as big as a sunflower.

Mr. Editor, it is not the intention of "yours truly" to inflict on your readers a stilted, conventional report of the proceedings; perhaps a few short notes will save time, space and bad language.

Mayor Urquhart charmed the hearts of everyone in his address of welcome and also in his speech at the closing banquet. It is necessary to say "closing" banquet, there were so many of them.

The president's address was as full of good points as a packet of tacks. Some of the points are going to stick in, to the treasurer.

The treasurer reported a considerable increase in the size of the association's bank account.

The paper and practical illustration on design work and values by Mr. Dilleuth revealed the fact that he is a "bird" of the first water.

A good paper may always be expected of R. W. King, on anything connected with greenhouse construction. He gave forty minutes of good, solid, substantial matter.



Crop of Carlson's Improved Aster, Pink, Growing for Seed.

cured by the florists is the low wages being paid to those who are considered capable men. Mr. Dunlop gave his experience with the late Gardeners' and Florists' Union.

After the morning session, which was concluded by the secretary's and treasurer's reports, the delegates were taken

first vice president, Geo. Robinson, Montreal; second vice president, C. Suckling, Truro; treasurer, Hermann Simmers, Toronto; secretary, A. H. Ewing, Woodstock. W. Gammage, London; J. H. Dunlop, Toronto, and C. Webster, of Hamilton, were elected to the executive committee. The retiring president, Thos.

The government has got to take the duty off azaleas, and appoint a horticultural expert as appraiser, "and so say we all of us."

More time is wanted to do business at the trade exhibit. Certificates and honorable mentions should be given to deserving exhibitors.

The question box was well used. Ottawa next year. E.

CARNATION NOTES—EAST.

Early Blooms.

The early blooming varieties, if housed in July, will by this time have become sufficiently established to give fairly good bloom and stem, making the temptation very strong to allow a crop to mature, especially at this time, when carnations are in short supply. If you are sure of a market at remunerative prices, it will, perhaps, be good policy to get into evidence, but do not over-do the matter, especially with varieties you know will be in great demand at the holidays, with prices to correspond.

Pink and white are the colors most likely to be sought for, and Nelson and Queen Louise are good ones to depend upon to furnish these. Crane is the best scarlet for early, but had best be held for future high prices. Estelle ought on no account to be allowed to bloom early. It is most beautiful in color, but throws many single flowers if allowed to bloom before getting exceedingly well established.

Mrs. Potter Palmer should be handled with a view to producing a supply at Christmas and thereafter. It is somewhat impatient of disturbance in lifting in hot weather, and the blooms being of very large size it requires a lower temperature than can be had for some time yet to develop its blooms to perfection. With all this, it is surprising how well its color holds under the hot sun of spring and early summer. We are growing it this year in solid beds in a cool house, and from present appearances, it will go ahead of last year's fine showing.

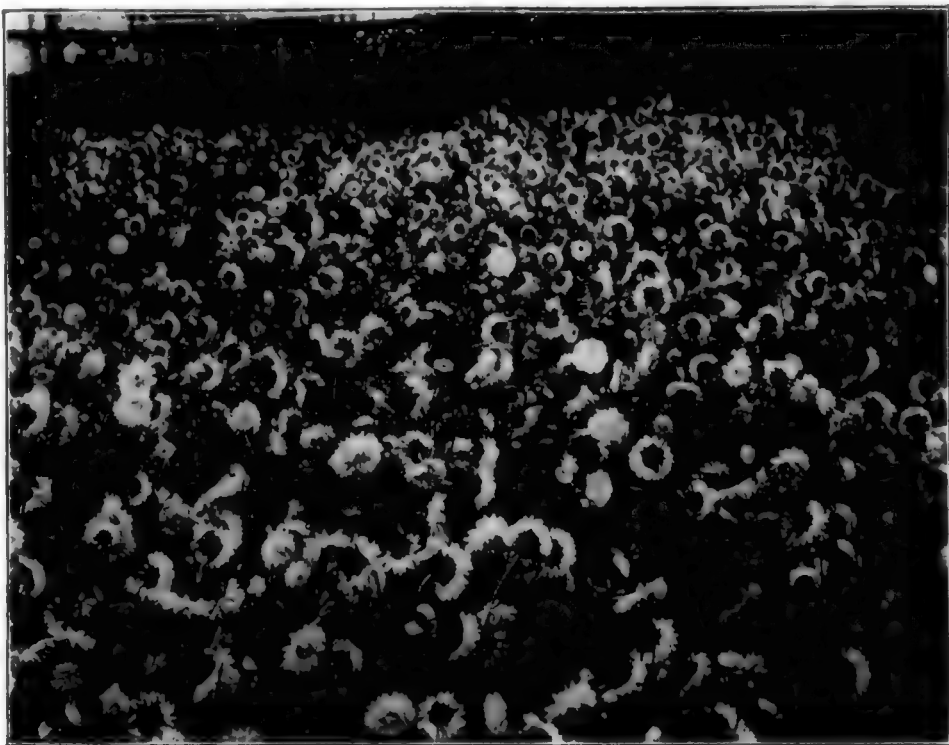
Supports.

So much has been written on this matter, and growers in general being possessed of inventive brains, I cannot add much but to advise the use of such as will not prevent free circulation of air among the foliage or free access to the soil for the removal of weeds, application of top dressing or liquid food, and the introduction of water at times when wetting the foliage is not desirable.

The actual cost of material used in some systems may be small, while the labor involved in putting up may over-balance the total expense incurred by the use of a method which at first cost may seem large. Then comes the question of how many years the same material may be used without additional outlay. This is our fifth year with the Model stake, which has given much satisfaction and no repairs have been needed. Whatever you use the sooner the supports are put up the better.

Fumigation.

Last year I advised the use of aphid punk for the prevention and destruction of greenfly, but I find that this handy and effective insecticide seems to have gone the way of many other good articles, deteriorated in strength; at least this was the case with a lot I saw opened



Crop of Carlson's Improved Aster, White, Growing for Seed.

very recently. I am very sorry to make these remarks, but I feel that I cannot at present recommend its use. We are now using tobacco dust, burning it frequently as a preventive, which is far better than to wait until a cure is needed.

GEO. S. OSBORN.

ROSES.

Seasonable Hints.

Before the opening of the season arrives, we should have all the arrangements made for the successful storage and care of the buds between the time of cutting and that of dispatching to our customers. The care and skill bestowed on the cut during this period is an important factor in the lasting qualities of the blooms, an item that goes far in gaining their good will and retaining their trade.

Arrangements should also be made to keep a record of all blooms cut during the season. We start this record-keeping on October 1 and continue up till Memorial day, which embraces the real harvest season. By this method we can, at the end of the season, know definitely the relative value of each variety grown, as no amount of guesswork can in any way give a satisfactory idea of what has been done. It has frequently happened in my experience, both with roses and carnations, that the varieties which got the most credit from mere guesswork were not by any means entitled to it when the total for the season was reckoned.

An easy and convenient method of keeping a true record is to have a sheet of cardboard tacked up in each house, with columns for each of the varieties in the house, and spaced off with lines for each day of the month. These sheets can either be filed or the totals copied into the journal and totaled at the end of the season. Similar sheets should also be in use in the sorting room, with columns added to show the numbers of the different grades.

There are many advantages to be derived from such a system, one of the most important being that by a careful study of the records from day to day

it is a simple matter to find out whether the crop is on the increase or on the wane, and to take orders accordingly. The man in charge of each house or section of houses can also at any time find out just how he stands by comparison with his neighbor in charge of another section and naturally tries to emulate his most successful rival.

Of course, we cannot confine ourselves to growing only those varieties which are proved to be the most profitable in our soils and conditions, as our customers' wants have also to be considered, but with the facts before us when laying down our future planting plans, while giving every consideration to the customer end of the question, we must have it so that there will be a generous profit left for the labor, trouble and anxiety of the year.

RIBES.

"AT BUYER'S RISK."

The following "opinion" should be of much interest to everyone in the trade as it was prepared by W. T. Alden, of the law firm of Alden, Latham & Young, Chicago, at the solicitation of a wholesale florist who likes to be sure of the ground upon which he stands. It covers, in a most explicit way a point which probably arises more often than any other in the too frequent controversies between shipper and consignee. An understanding of the legal phase of the question may here be obtained:

"Regarding your request for an opinion as to your rights where buyers of your goods refuse to accept the same and refuse to pay the purchase price, claiming that the goods have deteriorated in transit, we desire to submit the following:

"The law is well settled in the states of Illinois, Minnesota, Wisconsin, Nebraska, Kansas, Missouri, Tennessee, Kentucky, Indiana, Ohio, Michigan, Massachusetts and New York, that where there is nothing in the contract of sale to the contrary, a delivery of goods by the seller to a transportation company amounts to a delivery of goods to the buyer, and the goods are, during transit, wholly at the risk of the buyer, and if they deteriorate in value while in transit,

either as a result of natural causes, such as the change in climatic conditions, or on account of delays of the transportation company, the purchaser must stand the loss; and if the transportation company is liable for damages, he (the purchaser) must make claim against the transportation company for damages, and not the seller.

"This principle applies to goods that are of a perishable nature, such as your line, to-wit: flowers. It necessarily, therefore, follows in your case that your customer in each instance cannot refuse to accept and pay for your goods where there is nothing in the contract of sale to show that you warrant the condition of the goods at their destination, or where you use ordinary, reasonable care and caution in packing and preparing the goods for shipment.

"This doctrine is fully supported by a long line of authorities, among which the following are the more prominent cases: Mobile Fruit & Trading Co. vs. McGuire, 83 N. W. R., 833; Leggat vs.

Brewing Co., 60 Ill. 158; Mobile Fruit & Trading Co. vs. Judy, 91 Ill. App. 82; Bridge Company vs. Hamilton, 110 U. S. 113; English vs. Spokane Commission Co., 51 Fed. R. 451; Mee vs. McNider, 109 N. Y. 500.

"As a matter of policy it is, of course, a good idea to call this fact to the attention of your customers, by referring to it in your business terms, printing it in your advertising matter and on your stationery, etc. We desire to say, however, that your use of this disclaimer on your stationery will not give you any greater legal rights, strictly speaking, although it places you in a much better position in case you get into controversy with any of your customers, as a matter of argument if for no other reason.

"While we have not examined the law in other states than those above referred to, we feel reasonably safe in saying that the law as above stated is universal in this country, although we would not give an absolute opinion without referring to the authorities."

THE RETAIL FLORIST.....

FLORAL ART AND VALUES.

The following is a paper by H. G. Dilleuth, of Toronto, read before the Canadian Horticultural Association, September 2, 1903:

In the making of vases such as are used in the stores every day, care should be taken that the flowers are always placed so as to make them most presentable, not only from an artistic, but from a practical view also. Many of our customers shop considerably and they do not always get the best stock, but that which has been properly arranged so as to appeal to them. The goods we handle are perishable and should be handled accordingly, which is quite necessary if flowers are to retain their fresh appearance.

The professional artist is usually a good colorist, for he will scarcely be able to reach that position without having a good eye for color. This is one of the main essentials in our business, for many an otherwise artistic arrangement has been spoiled by colors which did not harmonize. Another essential is confidence and the quick grasp of an idea which a patron will often convey. Try to keep in harmony with any feasible suggestion and have confidence enough in yourself to describe the way in which details may be carried out. There are many who remain in the business year after year, and who are in the best of positions to learn the technicalities connected with it but who, after years of struggle, are not much better qualified than when beginning. Although anyone with an artistic temperament and some practice can arrange a design after a fashion, there are too many who never take into consideration that an infinitude of small details always exists.

Design making is probably the most important part of the retail storeman's trade, for there is more money made in this than in any other branch. In plan-

ning or making up a design the artist should ever keep in mind the effect of the picture as a whole when viewed from different points. I have had many opportunities of seeing designs made up by different firms, and have often noticed that what looked like an artistic piece of work from a distance, did not appear so under closer scrutiny. In these days when galax leaves and hardy ferns are so cheap there is no reason why standing designs should be sent out which, when seen from the opposite side, should confront one with patches of moss, tinfoil and toothpicks all exposed, and not the faintest pretence made at covering the back. I have also seen designs that were filled with moss so water-soaked that there was a constant drip of water falling over the sides of the casket and onto the floor. Although a certain amount of moisture is required to keep flowers, yet it is not good to have your designs in this latter condition. In the arranging of your designs do not try to use up all the old available material in your establishment; use two or three kinds of flowers and keep the varieties separate and a more striking effect will be obtained, for in grouping your varieties you are again only copying nature and care should be taken that all toothpicks and wire are hidden from view. Avoid overcrowding; density is not desired. Rather have your flowers on the spare side and use plenty of good foliage, the same as grew with the flowers you are using, though often some good fern or asparagus adds beauty to the arrangement. Society emblems, as a rule, are not a credit to the designer who made them and many of these designs which are sent out would be much easier recognized if a label accompanied them, announcing what they are. Whatever it is about a design that is expected to appeal to the public most forcibly should be arranged with the details brought out most prominently. The study of ornamental design

trains the eye to recognize and the hand to execute that beauty of line and proportion necessary in designs of this kind.

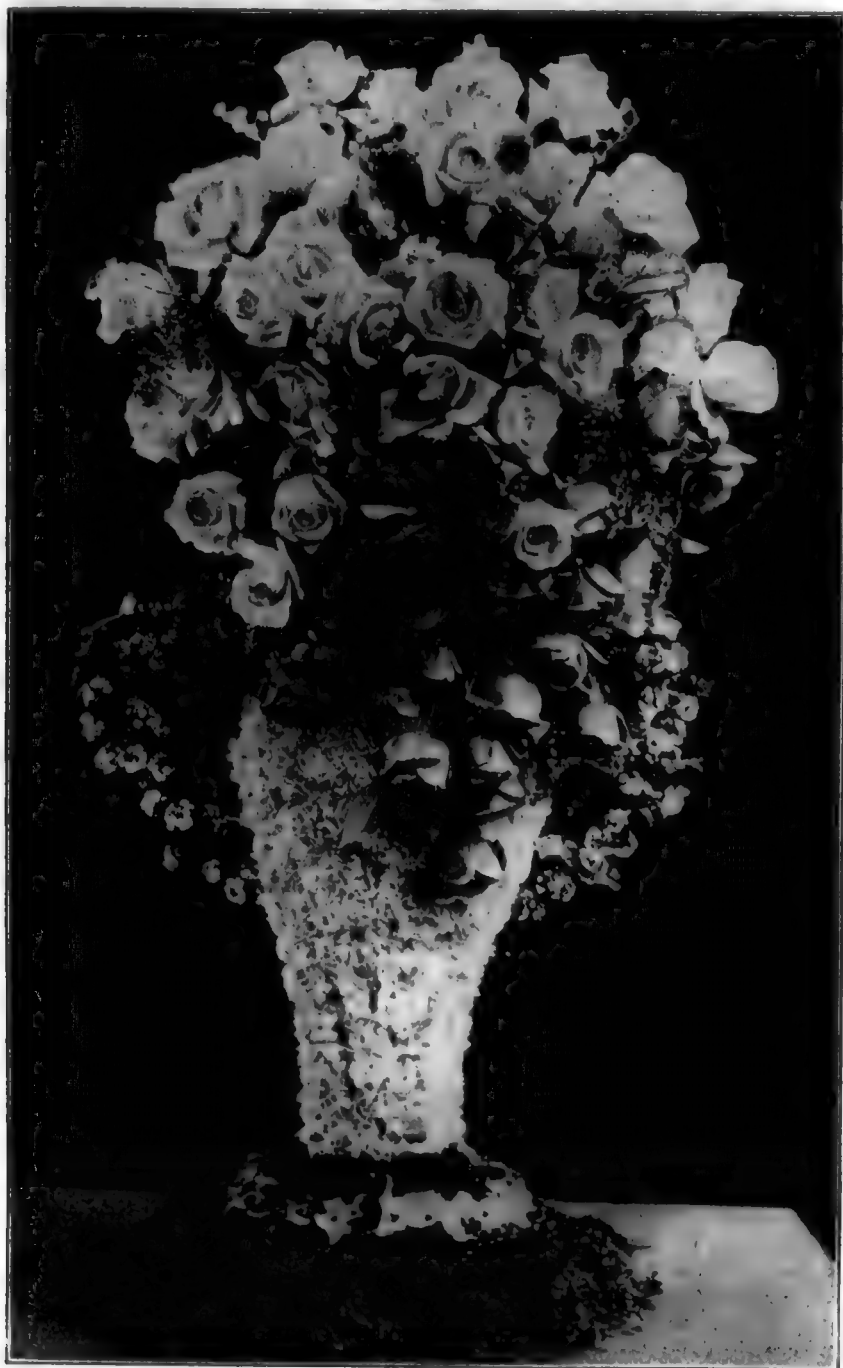
Under this same heading of floral art comes window and store decorating. How much better the stores look today with a few nice baskets or palm leaves decorating the ceiling and walls than they used to look when covered with a number of rusty frames of the different designs. The importance of a well decorated store can not be overestimated, as a particularly well arranged display of stock will always attract some attention and a lasting impression is made on those who see it. Idle curiosity may be the feeling with which they view it, but later on, some flowers may be required and your nicely kept window and well arranged store will be remembered.

The window display is gradually working its way to the front and many florists are today taking advantage of this method to aid in promoting sales. Many dollars are expended on worthless advertising in programs, etc., which would be much better expended on handsome vases or jardinières for the window, and if the possible results are realized you would not grudgingly figure on the expenditure of this money. The chief defect in the decoration of many of the windows today is overcrowding. A simpler and broader treatment in your display will give much better results. The fault of over-decoration comes from viewing from too close range and not considering that the public view from the sidewalk or the other side of the street.

To decorate the window properly much depends on the window itself. Width, height and depth must be taken into consideration. One pretty effect is to take shades of the same color and begin with the lightest and work back to the darkest. Large vases or pieces look better in the center or background, and often a vase or large basket of some real good flower with some nice ferns is enough for the window. Crape papers are not as much in demand as formerly, and though sometimes desirable, as a rule have a cheap look. Good, clean stock, good vases and clean windows are absolutely essential, and it may be a good plan to try various clerks to see which can make the best display. Frequent changes are necessary, even though the next arrangement will not be as good as the one displaced.

Decorations also demand artistic ability and some of the commonest forms such as arches, pillars, scrolls, etc., are often so badly proportioned as to be grotesque rather than adding beauty to the residence or church. Detail is as necessary here as in funeral work, and all decorations should be carried out with a view toward lightness instead of trying to get rid of a large quantity of stock. Harmony of color and concentrating your ideas to certain points which will prove conspicuous will be more effective than having a few flowers or plants scattered over a wide space. Try to have your decorations appear to advantage when first seen, for it is the first impression which is usually lasting.

Sometimes a clear space or wall can be made to look very pretty with festoons of flowers and ribbon, or empire wreaths. See that all flowers used are fresh and put as many of the flowers as possible into vases, for they will retain their freshness much longer. The most expensive flowers are not always necessary, for very fine work can be arranged



A Floral Urn and Bouquet of Roses, Valley and Adiantum.

with wild flowers and many of the shrubs and vines which grow on the usual florists' establishment.

Values usually vary according to the locality or to the customer. There are hardly two firms whose system of valuating is the same, though it is generally understood that the retailer adds 100 per cent to what the goods cost him. In some cases this amount is satisfactory and in others it is too little or too much, as the case may be. At seasons when the wholesalers charge their highest prices there are few stores which get the recognized 100 per cent. Often on high-priced stock 50 per cent is sufficient, while there are, again, times when 400, 500 or even 1,000 per cent are realized on the cost of the goods. The best value for flowers is usually derived from made-up work. By this I mean designs, bouquets and decorations. Here it is that the artist has a proper place to display his talent and the fewer flowers he uses in getting the effect desired, helps to add to the profits.

Where more than one clerk is employed better satisfaction can be given and better prices obtained by having a stated clerk look after certain patrons who are accustomed to coming regularly to the store. The best artist is not always the

best salesman, for he often carries a look of superiority with him which is quite necessary when an order is being given for an elaborate decoration, but which is often out of place when it comes down to a mere dozen carnations.

Too many of the smaller retail stores are run in a haphazard way. There are many flowers and plants handled in which there are no profit. You should know in dollars and cents which of the specialties are making or losing money. With this knowledge we would be able to drop our unprofitable branches.

TROUBLE WITH ROSES.

I see by the REVIEW that all the boys in the rose line that get into trouble come to you for advice, so you can add another victim to the procession. I took charge of this place on March 24. My stock was small and weak, yet I have seen and handled stuff just as poor before. I planted some in May, then in June, and some in July, and it has not behaved at all well. The soil is a good clay loam, with one-fifth cow manure. I feel it is not the soil to blame, as a neighbor has good stuff in exactly the same soil and same compost. I have six houses 26x125. Four of these are

the continuous house, without walls. In the north house I have Beauty and Perle, which have done very nicely, yet the Beauty is not as strong as might be. The next two houses are Bride and Maid, which have not done at all well. They grow weak and puny, don't make the strong healthy wood they should. The next house is Gate and Ivory, which have done fairly well. Then comes glass in that wall south. Then comes a house with Carnot and Kaiserin, which we call the summer house. It was planted May 5 and has done splendidly. Everything was planted out of "threes," except Beauty, all or practically so in the same soil.

Now what I want to know, is it the fault of the houses, or my fault? I have had charge and grown roses for the past twelve or fourteen years, but have never had such luck before. The houses have been built three years, good and clean, and every facility to do good work. I am the third man in charge, and my predecessors have had the same experience. I never had roses in this style of house before, but have grown good carnations in this style. The sixth house is in Meteor, same soil, but closed like No. 5, and they have done excellently. That is what makes me ask if it is the houses. In your writing you have said, "A good man will adapt himself to his houses." Well, I have done everything I know how, but I cannot start the Brides and Maids.

If there is anything in the world I can do to get something out of this stuff, I wish you would tell me how to go about it. I know you can tell me if anybody can. Allow me to take this opportunity to thank you for the rose notes each week in the REVIEW, as I think they are fine for both the old and young growers.

N. G.

After a careful perusal of this letter, I cannot find wherein he has gone astray in his general treatment of his stock, and as he has been successful using the same methods in former years, we must look for some other cause for the failure. From his description of the houses, they appear to be in every way suited for rose growing. I do not think the fault is there. The soil also appears to be all right, seeing that his neighbors use the same kind with success.

Judging from the way the stock behaves, the only feasible cause appears to lie in having used weak and degenerate stock, and we all know how difficult it is to get such stock to produce strong, vigorous wood in time for fall or early winter cutting.

So long as the foliage retains its color and freshness, as it appears to do in this case, the best method of treatment would be to stimulate root action by persistent cultivation, using a slight top-dressing of air-slaked lime before ruffling, alternating this every two weeks with a light sprinkling of bone, but never using the two in combination. As the plants are weakly, it is better not to attempt any other kind of feeding until they become stronger.

If the blooms are not required very badly, it would be advisable to continue disbudding for some time, but if the flowers are needed, cut more with a view to the welfare of the plant than with the object of securing a long stem. It would also be well to start night firing, as the majority of nights are now too cold to admit of ventilating freely with-

out it. With his long experience I need scarcely remind him of the necessity of being extra careful with his watering.

From the full text of his very confidential letter, I can see that he is very much disturbed over his seeming failure, but he must not lose courage, as it is from encounters like these, and which most of us have experienced, that the observant grower emerges with added knowledge which fits him for future battles.

RIBES.

MORE REMINISCENCES.

"How dear to our hearts are the scenes of Milwaukee."

When fond recollection presents them to view: The lakeside, the trolley ride, the trip to the gun club, And every bright spot which in four days we knew."

One thing which impressed us very much was the cordiality with which we were met on all sides. Every one seemed glad to see us, and, like the small boy, we were glad we had come.

"Ye scribe" enjoyed a trip to the parks which was not a part of the regularly prepared program. We found them equal to the description given beforehand, and more, for how can cold type tell of the beauties of a pansy bed, filled with hundreds of saucy faces that gaze into yours, or the brilliant glory of a border of hardy phloxes?

Our friend from "Posey Kounty" accompanied us on the day of the Ladies' Ride, and told the following doleful tale while taking in the beauties of Lake park. It seems that this particular gentleman always (?) carries his own drinking cup, and upon leaving one of the palm gardens, he very carelessly left his cup at one of the tables. Upon returning for it a few minutes later, he discovered that it was ruined, for as he told it: "It was full of Schlitz" (slits). It nearly took a surgical operation to get the aforesaid into the cranium of a member from Iowa.

The day of the shooting tournament there was one event which was not given in the returns, and that was the shooting done by the two school ma'ams from the west. An empty cartridge box was badly mutilated, and both of the ladies carried a well-marked impression of Mr. Altick's gun for at least two weeks.

Then the trip to Chicago again demonstrated the thoughtfulness of our hosts and hostesses. Could anything have been better planned than the dainty lunches? The very air was filled with good cheer, and some were so enthusiastic that they had to give vent to their feelings by dancing, even though our friend from the sunny southland said it was wicked, simply because he couldn't dance.

As a fitting close to the day of pleasure was the dinner at the Auditorium. And could anything have been prettier than the dear Scotch song sung by our favorite orator from Philadelphia? We surely ought to have more such music, and we trust that Mr. Craig will be with us at many more conventions.

The concert must not and will not be forgotten. As we wended our way back to the hotel, the strains of many of the selections kept repeating themselves again and again.

Upon our return to Milwaukee on Saturday, we could find none of the familiar buttons which had been so numerous all during the week. When we reached Chicago on our homeward way, we were accosted by, "There is one of those buttons now," and were greeted in his

most hearty manner by Mr. Schmeling, who inquired about Milwaukee as minutely as though he had been absent a month.

So it goes. Every day we recall something that was said or done in Milwaukee and the memory of the good time will linger with us until we pass the mile post which shows us the time is near to go to St. Louis, and then anticipation will be our portion until we greet old friends and make new acquaintances in the city beside the Father of Waters.

PERLE.

THE S. A. F. AT ST. LOUIS.

"At St. Louis next year," said F. W. Taylor, chief of horticulture at the World's Fair, "it should be possible to more than double the attendance at the Milwaukee convention, successful as that meeting was in all its features. It is understood, of course, that the society will be invited to hold its business sessions on the exposition grounds, where a suitable hall for such meetings is now being built in proximity to the Agricultural and Horticultural buildings. The use of this hall will be free to the society and should the S. A. F. directors and the St. Louis Florists' Club accept the offer of the exposition management, provision will be made for the housing of the trade exhibition, probably by clearing sufficient space in the Horticultural building. It should not be difficult to secure a very complete trade exhibition, if not considerably the largest on record, for a great variety of the strictly trade wares will be permanently on display throughout the fair, and it only remains to enlist the support of the allied industries and provide for those enterprising business getters whose work was the feature of the Milwaukee show.

"As to the trade itself, there will be the largest showing by florists, nurserymen and seedsmen ever made at any exposition. A great deal of stock is already planted. We are making preparations for planting very much more, beginning about October 1, and much tender stuff is booked to go in next spring. Practically every exhibitor who has shown at previous expositions will be represented and many more besides. It only remains for a favorable growing season to insure a display from which every member of the trade can gain much that is valuable as well as much pleasure."

BUTTED GLASS.

From Greenville, Tex., comes the following: "Is the leakage greater in a greenhouse where the glass is butted than in one where it is lapped? Is there any particular way to butt the glass to prevent leakage?"

I can just imagine the first question being put to a meeting of the S. A. F. & O. H. something in this style: "All who believe there is more leakage in a butted house than a lapped house will please say 'aye.'" A mighty shout would go up. "Contrary, if any?" And there would be only half a dozen to say "No" in all the crowd, but they would be sweet, intelligent voices, conscious that they were speaking truthfully of what they knew.

The question, as it is put above, would need a long explanatory answer. It will entirely depend on the quality of the job done in both cases. A new house, faithfully lapped with the use of putty, should not at first leak a drop. But putty will

rot, brads will slip or get loose, and unless a thorough painting is annually done your lapped house will in three or four years have a good many leaks. If the glass is butted with the grooved bar and cap, with no possibility of the bottom light slipping, and the bars are put on absolutely square from plate or gutter and the glass is properly laid, then there will not be a drop of water in the house except at the plate or gutter, where it can be taken care of and will do no harm.

It is impossible to buy glass so truly cut that here and there in the house there will not be a space of a sixteenth of an inch between the edges when butted. Water will not drop from these few misfits; it will run to the bottom. Your butted roof is as tight and sound to-day as it was ten years ago, and that I have had occasion to notice very closely within a few days during the terribly wet spell. "Charlie, do you see, a drop of water on your path?" "No, not one." "That's good, and there's not on my side." I know, Mr. Editor, you don't want too long a story on this old question, so I won't go into the lesser advantages of the butted system, such as quickness in laying the glass, no blowing out and little breakage, ease in removing or alterations, if necessary. Think what a comfort, if overcome with a hail storm, you could have all the sound lights out in a few hours and be ready to begin glazing next day.

As to the last question, there is a particular way to butt the glass, and it is the inexperience and failure to persevere that has led many of our good men to denounce the system. Briefly, the principal rules to follow are: Always let the thin end of the glass lead up the bar. There is always a slight bow to all common glass; let the bow, or convex side, be up. There must be either a check in the wood or metal at plate or gutter to prevent the glass from slipping; or if not a check, then two nails or screws of sufficient strength. If you have to cut a light to bring in the glass the right length, use the small light at the plate. Use a 1 1/8-inch round-headed brass screw and put them in at every light half way its length. Screw down moderately firm, but not so tight as you would the last resting place of your mother-in-law, or the light may crack. Above all, it is useless to expect a good job unless the bars spring from the plate or gutter at a perfect right angle, and allow 1-16 of an inch for play between bars. There are just one or two don't's. If you are near a railroad where the locomotives burn soft coal, or within the influence of city smoke, don't butt the glass, and don't use single thick glass.

WILLIAM SCOTT.

TROUBLE WITH PALMS.

I am having trouble with my palms. As soon as a new leaf comes out the ends of the others begin to die. What is the cause and remedy? K. A. W.

This inquiry is so indefinite that it is a difficult matter to offer a suggestion. Had the species of palms been specified, and the conditions under which they are growing, there would then have been something upon which to base an opinion. The tips of palm leaves die off from various causes, sometimes from defective roots and overwatering, but more often from lack of water and too dry an atmosphere.

W. H. TAPLIN.

SPIDERS.

Can you tell me how to get rid of spiders in our greenhouse? They have very long legs and small bodies and are harmful to the plants. We should be very thankful for advice as to how to dispose of them. E. K.

This must be a different spider from any we have seen or heard of. E. K. does not say how they are harmful to the plants, or what plants suffer, whether they cut or suck the juices of the plant, or spin their webs so thickly about the plants as to prevent growth. The little red pest we call red spider is, I suppose, a true spider, because he spins a web, and in syringing the leaves we do no harm to the spider himself but we destroy his web and he can't travel without it and so perishes. He is a vegetarian, but all long-legged spiders that we ever saw are carnivorous. They eat or suck the juices of flies, wasps, butterflies or any insect that is guileless enough to "enter my parlor." Tobacco smoke has no effect on them. We have often, while watching the fumigating pot, noticed the capers of the spiders when the smoke rolled their way. They drop down a few feet, then up again, and are quite busy for a few moments, something as we are at the commencement of a hail storm, but after a time they retreat into the innermost depths of their wonderful dwelling, shut their eyes and dream of some good, fat fly, while we in the hail storm think of John Esler. The hydrocyanic acid gas will kill them, as it will anything that has lungs. If the house were empty, strong fumes of sulphur would settle them, but no house is empty just now. Cobwebs in the corner don't look very nice, but outside of appearances I never heard of their doing any harm.

How many of you have ever read that delightful little book *Flashlights of Nature*, by Grant Allen, a man who had the faculty to notice more of nature's work in the fields and woods and in the lowly things that creep and fly than any naturalist, perhaps, of any past century. One chapter is devoted to the domestic life and habits of the commonest spider, name I don't pretend to remember, but think it is "*Ornithireucum Cannibalensis*." Among other intensely interesting descriptions of forming his web, etc., Mr. Allen tells us that when Lady Spider decides to take unto herself a husband she gives due notice in the neighborhood, and two suitors promptly make their appearance, but both at a respectful distance and at different angles. After half an hour of close scrutiny of the charms and other attractions of the two candidates, her choice is made, and the rejected one is overtaken and devoured. The lucky one is then invited home and housekeeping commences. After a few days of blissful honeymoon Mother Spider tires of hubby, and to save herself a lot of talk and divorce proceedings, she pounces on her dear Alphonso and promptly devours him. It is economy in the family and saves a lot of trouble. I may add that in the spider world the wife is superior to the husband in size, sagacity, good looks and utility, and seems to have much the better time of it in this world. Many such true stories of flowers and insects can be found in that wonderful little book, and it is a thousand times better reading than the latest murder trial.

WILLIAM SCOTT.

GREENHOUSE CONSTRUCTION.

The following is a summary of remarks under this head, by R. W. King, of Toronto, before the recent meeting of the Canadian Horticultural Association:

Outside of the aspect as regards the sun's rays and the lie of the land for drainage purposes, there appear to me some questions yet to be considered in choosing a site for greenhouses. Presuming, for instance, that rose-growing is the purpose of the plant, should the location be high or low? Should the climate be warm or cold? In fact, location generally, and for different purposes, is a question that I would like to hear very fully discussed.

I think it would be a good idea to take a census of all growers, successful or otherwise, to determine such questions. For instance, the Dale estate rose ground is practically table land, having a cliff on two sides of it, and is considerably elevated above the level of Lake Ontario. Lawrence, of this city, I think, will tell you that he had poor success in growing roses at Mimico, but good success when he moved his houses to the very much higher land of North Toronto. Mr. Mussen has also had good success at North Toronto. Mr. Dunlop is at a fair distance from the damp air of the lake, and considerably elevated in position. His prevailing winds blow not from, but towards the lake.

In talking with the late Harry Dale on the merits of different forms of construction, with a view to selecting a standard house, he told me what I know to be true. He had built houses running north and south; he had built them running east and west; he had built them short-span-to-the-east and short-span-to-the-west, and he had built them even span; he had built them divided, and he had built them under one roof. The sum-up of his experience as then expressed was, that he had grown prize flowers in them all, and to a profit.

In approaching the question of form for permanent houses on a large scale, I mentally reasoned as follows: Given an area of ground suitably located which we want to cover so we may regulate the temperature artificially without interfering with the sun's rays, let us say, for our argument's sake, that the roof is one solid sheet of glass of circular shape, 100 feet in diameter, surrounded by walls seven feet high. It does not matter how you face that house; it faces the same any way you put it, but it does matter how you plant it. Certain parts will be shaded by the walls, but make your walls of glass, and, as far as absence of shade is concerned, all parts are the same.

Now we will support our roof by posts, say fifteen feet apart each way. If they form rows north and south, they will also form rows half way or diagonally between either of these two positions. The shade thrown by these posts will travel substantially equally over the whole of the house. Following out this argument, I think you will arrive at the conclusion that position in regard to sun's rays has little to do with the form of the house, the main thing being to give the least size to all parts of the roof support consistent with safety.

To illustrate the objection to divided houses from cost of heating standpoint, we will imagine that roadways are cut through the circle referred to. Every roadway necessitates the cost of walls on either side and subtracts from the growing space. The walls, even though glazed,

require extra sash and supports, which add to the shade. To avoid the shade of wall surface, was the first object aimed at in raising benches to bring the plants to the light; but as soon as you dispense with your walls this necessity for raised benches disappears. My own solution of this question of form of houses is to keep your blocks square and your roof supports as few as possible.

There is another question affecting the block form of building, and that is ventilation. You know the bugbear of the block system at present is the absence of opportunity in the center of the block for side ventilation. It is said this is not a point in rose growing, but that it is essential for carnations, although I have seen excellent carnations growing in detached houses with no side ventilation, and I may say that I find it is the growers advocating this additional ventilation who are now building very wide houses. I do not wish to propose a question of this kind in any partial light, but since it has become advisable if not imperative for economy in heating, to block your houses, it is wise to consider first such improvements in ventilation as will accord therewith. This I think may be found in double ventilation, or the placing of ordinary ventilators on each side of the ridges.

Another point that might be touched on is that of drainage. When we come to build in block, where the rain cannot get away at the sides of narrow houses, the disposing of a downfall of the liquid element becomes a question to be carefully considered. We do not, in long runs, want to make gutters large enough to carry it off to the ends; and most of us want to use butted glass, which has a faculty of leaking badly when a downpour of rain fills up the valleys beyond the capacity of the gutters to carry it away.

Where the auxiliary gutters are used to catch the leakage and drip, being relieved at short intervals so as to empty into underground drains, we find a disposition to make these underground drains too small. Experience seems to dictate that for a 17-foot house a 2½-inch tile may be used for the first 150 feet, a 3-inch for the next 125 feet, and a 4-inch for the next 125, and 500 feet is as long as we think it advisable, for several reasons, to run a house on the same grade, unless specially designed.

TO REMOVE BOILER SCALE.

Kindly let me know what will take the scale off of boiler tubes and sides. I bought a second hand boiler and there is about ¼ of an inch of scale all over the inside. J. R.

There are many preparations sold for this purpose, but the best I have found is a careful application of hammer, chisel and scraper. HENRY W. GIBBONS.

CATALOGUES RECEIVED.

H. H. Berger & Co., New York, bulbs and plants; H. F. Michell Co., Philadelphia, bulbs, seeds, etc.; Chas. Hawkinson, Excelsior, Minn., nursery stock; J. H. H. Boyd, Gage, Tenn., trees and tree seeds; Clare & Scharrath, Jacksonville, Fla., decorative goods; W. C. Beckert, Allegheny, Pa., seeds and bulbs; Alexander Seed Co., Augusta, Ga., seeds and supplies.

ABUTILON.

A subscriber sends a leaf of *Abutilon vexillarium* and says: "I enclose a leaf of *abutilon* maple. It grows about eighteen inches high and compact. Give me the name of it and tell me where to get it."

Instead of a compact grower I should call it a spreading or almost creeping plant. The pretty orange and green variegation of the foliage made it quite a favorite some years ago. I have seen it used in flower gardening with good effect and we still use it largely in veranda boxes and vases. You can buy it of any catalogue house in the business. Perhaps a neighbor has some. If so, get some cuttings about the middle of September. Take only the tender tops of the shoots, put them in the sand and keep wet. They don't root in the fall as easily as *ageratums*, but they root.

WILLIAM SCOTT.

LONGIFLORUMS FOR SUMMER.

I can use some longiflorum lilies during June and July. Do I have to get them from cold storage, or can I get bulbs late this fall, pot them up, keep them outside in a frame on the north side of the greenhouses and take inside about March 1?

P. O.

If you took them into the greenhouse by March 1, they would be in flower by the end of May. The best you could do by keeping them in a cold frame all winter (and that's risky in pots) would be to have them in flower by the end of June, their natural flowering season. It is much better to buy them from a firm that makes a business of keeping them in cold storage, and for July and later this is all you could do. Leave the retarding to the specialist who has the correct methods of doing it, and you will save money and much labor.

WILLIAM SCOTT.

DETROIT.**President Gets a Watch.**

A most pleasant event occurred on Thursday evening, September 3, when the newly elected president of the S. A. F. was decoyed into taking an auto ride to the Rusch House at Grosse Pointe, where he found about forty of his florist friends in waiting and a table spread with good things to eat, the decorations consisting entirely of newly cut grass, with which the table was covered. After enjoying the "feed" and something to wash it down, Mr. Breitmeyer was presented with an elegant gold watch to replace the one stolen at Milwaukee. He was completely surprised, but rallied as only a Detroit man can and made a very good speech. George Reynolds then took hold as toastmaster and called on C. W. Ward and F. W. Creighton, who were visitors, and Rev. Collins, J. F. Sullivan, R. Flowerday, F. H. Beard and others, of Detroit, who all helped to make the occasion one long to be remembered.

Since the meeting of the directors of the American Carnation Society at Milwaukee the premium lists for the March meeting have been increased by the addition of three \$25 cups, donated by the Foley Manufacturing Co., of Chicago, one of which Mr. Foley wished to give to the Michigan grower who will exhibit the best vase of his own seedlings

The other two will be placed later. Now we may expect some fine seedlings from Grand Rapids, Saginaw, Mt. Clemens and other towns in Michigan. RAG.

NEW YORK.**The Market.**

Sir Thomas failed to lift the cup and the festivities which have attended his entertainment, the opening of the schools and the theatrical first nights have so far failed to lift the market. Still a slight improvement is already discernible and every day draws us nearer to the change in the tide. It will all be sunshine soon, and the long experience of "low water" will be forgotten. As was to be expected, the warm spell put a quietus on the violet's prematureness, and it is well. No one wants to wear violets before October.

These are anxious days for the Broadway florists. The Rapid Transit people want to open the street from Fourteenth to Forty-second, and a protest that can be heard from Harlem to the Battery has already reached the powers that be. Should the great thoroughfare be torn up again, it would completely paralyze that section of the florist business and entail losses that with many would be ruinous. The latest scheme is to work only at night and board over the exposed section by day, a compromise that does not meet with much approval. Meantime the trade is hoping for the best and making its window decorations the finest in the world, a reputation which floriculture on Broadway has long enjoyed, and deservedly.

Various Notes.

On September 3 the most gorgeous wedding of the year, the Thayer-Brooks, took place at Newport. Over 3,000 invitations were given. The floral decorations at the church and home were very elaborate, and the wedding breakfast had over a thousand guests. The steamboat companies ran excursions for sight-seers and altogether it was a strenuous time. Carte blanche, as is often the case with the "600," was the florist's order, a commission that makes the remainder of the society season "velvet."

The renovating, enlarging and painting of the wholesale stores continues. Geo. Saltford now has one of the largest and most convenient places on the street. The store is double its former size and is very neatly arranged and decorated. His early experiences in the violet business have borne much fruit. From being a pioneer in Dutchess county he now finds over seventy growers of the favorite flowers. He predicts an enormous output for the season. He has returned, fully recovered from his recent illness, and ready for the enlarged trade for which he has prepared.

Fred Atkins and wife have returned from Europe, after a very successful and pleasant journey. Now look out for agricultural and horticultural novelties and plenty of them.

Patrick O'Mara's indisposition at Milwaukee was short lived, though sufficient to prevent his enjoyment of the boat ride and the Chicago convention festivities, much to his regret. He feels that the O. H. section of the society deserves respectful recognition and predicts the election of Prof. Cowell in 1904. Meantime he agrees with all of us that President Breitmeyer is the right man in the right place.

W. J. Elliott has returned from Northport, L. I., where shooting, yachting, fishing and automobiling combined to make his holiday a healthful one. Next Tuesday begin the auctions, and with no opposition the field should prove remunerative.

Emil Schloss has returned from the west, having called at all the large cities on his way home from the convention.

The firm of Holton & Hunkel, of Milwaukee, was fortunate in securing the entire exhibit of Reed & Keller at the convention.

L. J. Kreshover and wife are enjoying their final outing this week at Atlantic City.

Scallen's new store on Broadway is now occupied by the firm, and on the exact site where the old establishment existed for so many years. It is a handsome and commodious spot.

George W. Crawbuck, of Hicks & Crawbuck, is at Chatham, N. J., with his family, and Mr. Hicks, of the same firm, returns the last of the month from his summer home at Wantaugh, L. I.

J. W. Bebus, with W. J. Elliott & Sons, and a son of the late Jacob L. Bebus, one of New York's pioneer florists, has returned from his summer outing at Alexandria Bay.

C. W. Ward is on a western trip. His article on the peony in the September number of *Floral Life* is a most interesting one, splendidly illustrated, and occupies the place of honor in the issue.

Sigmund Geller has rented a large storehouse, 158-160 West Twenty-seventh street, for the convenience of his overflow, and his facilities for his increasing trade are thus largely provided for.

Values are rising in real estate in the vicinity of the wholesale district, Twenty-sixth to Thirtieth streets, on account of the projected building of the new Pennsylvania depot.

Tuesday of this week Charles L. Allen, of Floral Park, gave his lecture on "The Inner Life of Plants, or the Soul of Nature," at the exhibition of the Lenox, Mass., Horticultural Society.

J. AUSTIN SHAW.

HARTFORD, CONN.

The florists' clubs of Hartford, Bridgeport and New Haven held a meeting and outing August 27, at Lake Compounce. About forty members from the three cities were present. The morning was occupied with social intercourse. After dinner there was speaking by members of the club, the toastmaster being A. C. Sternberg, of West Hartford. He made a short speech, after which Theodore Wirth, president of the Hartford Florists' Club, made a few remarks. He was followed by G. X. Amrhyn, president of the New Haven club. The other speakers were C. E. Keith, president of the Bridgeport club, J. A. Thomson, of West Hartford, W. E. Reck, of Bridgeport, H. E. Ferrier, of New Haven and ex-President McDonald, of the Hartford club. After the speechmaking the members went to the bowling alley and rolled tenpins for a handsome loving cup.

ELGIN, ILL.—George Souster has just returned from a month at Mt. Clemens, where he succeeded in getting rid of his rheumatism.

TOLEDO, O.—Henry Krueger, of Krueger Bros., and Miss Agnes Smith, were married September 1, and are on a wedding trip to Niagara Falls.

CHICAGO.

The Market.

Business continues on an even gait, but the return of warm weather has largely increased the supply of low grade stock without giving greater cuts of the better stuff for which there is a demand. A continued period of heat could do much harm just now. Some good Beauties are seen and they sell pretty briskly, except that Monday being a holiday resulted in an accumulation either at the greenhouses or the stores. The best roses seen are from old plants, but there are now only exceptional growers cutting these. Brides from the young stock are fair and would be very good with a week of cool weather. Maids are off in color. Liberty is not greatly in evidence.

The carnation growers are cutting away at a great rate, just as though there were not plenty of choice asters. Despite the very large supplies in this line, good asters are selling briskly at good prices, but poor asters can scarcely be sold at all. There are all kinds of gladioli in market, also too many dahlias. Tuberoses are used for funeral work and auratum lilies also. Valley is plentiful.

Wanted: A Show Hall.

The Horticultural Society of Chicago is in urgent need of assistance. It wants a suitable place to hold the autumn exhibition. The Auditorium is not available, the Coliseum cannot be had at the proper dates and the committee knows of no other suitable hall. Any one with a suggestion to make is invited to address P. J. Hauswirth at once, for not a great deal of time remains if a successful show is to be held. If there is no show it will be interesting to note the effect on the market this fall. One gentleman, a member of the society, who has confidence in his opinion, believes it will reduce the value of the local chrysanthemum crop twenty-five per cent.

Local News.

Henry E. Klunder will open a high class retail store at 33 State street on September 17. This will be three flower stores in the one block and all on that side of the street, Mosconesotes being on one side of Mr. Klunder and Bohannan on the other.

George Weiland, son of M. Weiland, at Evanston, was married Tuesday morning and is now on his wedding tour west. The bride is a sister of Mrs. J. P. Risch.

P. M. Brodbeck is starting up his roses again after drying off and resting. His whole place is in Brides and Maids and the plants are at the beginning of their third year in the same soil.

C. A. Samuelson has been fishing north of Ludington, Mich. He reports trade not half bad for so early in the season.

M. Winandy has again possession of the ten greenhouses adjoining his range which were formerly leased to a vegetable grower. He will plant them all to carnations. His total increase in glass this season is twenty houses.

John Degnan is getting up the fall catalogue for the E. F. Winterson Co.

George M. Garland reports a big call for pipe fittings as the growers begin to fire up.

The chrysanthemums at Lincoln Park are in good shape, and a fine show is expected this fall. Alois Frey, formerly of Hartford, Conn., Mr. Stromback's new

assistant, likes Chicago and the park work very much.

A. C. Spencer, at Peter Reinberg's, says field-grown carnation plants are selling better than ever; many orders, and the average rather larger than usual.

W. N. Rudd is at Rochester, N. Y., this week, attending the convention of the Association of American Cemetery Superintendents.

E. H. Cushman, the gladiolus specialist, of Sylvania, O., is sending quantities of very fine spikes to J. B. Deamud.

O. P. Fordyce, who was at one time in business for himself at Salem, Ind., is now at Bassett & Washburn's, Hinsdale.

Weiland & Risch are getting some good dahlias, but report the sale very slow. They are little wanted in the retail stores.

L. Koropp is building two houses, one 17x55, the other 24x55.

W. W. Barnard & Co. are mailing their fall bulb list.

Visitors: Joseph Molck, Jeffersonville, Ind.; J. Sandstrom, Momence, Ill.; H. C. Irish, superintendent Missouri Botanical Garden, St. Louis; J. M. Smely, Aurora, Ill.; Geo. Souster, Elgin, Ill.; Jas. McKellar, with Livingston Co., Columbus, O.; Lyle C. Waterbury, Denver; Frank Nichols, Cleveland; Geo. A. Kuhl, Pekin, Ill.

PHILADELPHIA.

The Market.

Everybody agrees that the first week in September was excellent from a business standpoint. "Better than any week since June"; "better than three weeks in August," and so on comments vary. There is not much stuff coming in, and it is improving. Beauties, Kaiserins, valley and fancy asters have strong support among the buyers of choice stock. Dahlias are increasing in numbers; the ordinary, every-day varieties will soon be eclipsed by the fancy sorts, dahlias that are dahlias, so to speak, and then we shall see something fine.

The Selling of Flowers.

A decided change has been noticed lately in the views of many of the growers who offer their flowers direct to the retailers. For different reasons they are beginning to feel that the days of peddling are numbered. Some will support the Flower Market, some will send to one of the commission houses, while some will continue with the old methods for a while yet. It is doubtful if any who supported the Flower Market for any length of time will ever peddle his surplus again; the object lesson received from the sales of odds and ends is too vivid; the hard cash produced by leftovers makes an impression. The day will never pass when orders will be delivered to the retailers promptly and cheerfully, but this running around with surplus stuff is a waste of time to all concerned, not to be tolerated in modern business.

Holmesburg.

With the brightening up of the cut flower business comes a corresponding improvement in palms and Charles D. Ball, who is recognized as an important factor in our great foliage plant industry, is feeling the effects of this increased business vitality. His packing shed contained many plants neatly boxed and tagged, ready for delivery to the freight station. Mr. Ball has sixteen houses;

all were full of fine plants, sturdy and clean, in prime condition to stand a long journey or draught from a hot air furnace.

I was especially pleased with the Kentia Belmoreana. There were plants, some made up and some single, in nearly all the large sizes. In fact, the collection of fine kentias, both varieties, in large sizes, cannot, Mr. Ball claims, be duplicated among home-grown plants here today. They were certainly fine, well worth going out to see. Latania borbonica in salable sizes filled several houses, and there were some nice arecas. Whale oil soap for scale and aphid punk for mealy bug are favored. One is impressed with the fact that neither Mr. Ball nor his able lieutenant-general, W. H. Taplin, have "the fever," but are just contented to keep the houses they have chock full of good, standard stock.

Notes.

The Riverside Greenhouses, Westerly, R. I., are shipping some fine Lillian Pond carnations to Samuel S. Pennock.

Myers & Samtman, of Wyndmoor, are bringing in some fine Beauties and Sunrise to the Flower Market.

William Munro, of Lansdowne, is sending in long-stemmed Kaiserins to Edward Reid.

John Burton's Queen street place has begun shipping Meteors to Leo Niessen.

Eugene Bernheimer was most kindly received by the florists in the nearby counties. This week he visited in Chester county.

W. R. Shelmire, of the Thornhedge Greenhouses, spent some time lately among the carnationists of Long Island.

William K. Harris has lately been entertaining Mark Mills and William K. Harris, Jr., at his Ocean City cottage.

Charles B. Herr, of Strasburg, has built a new house, 100x30 feet. His place is in fine order.

George Goldbach & Sons, Lancaster, have been doing some building and putting their place in shape for the coming season.

H. D. Rohrer, Lancaster, has torn down some old houses and built two new ones, 100x30 each.

Charles G. Johnson, of the Haines Flower Store, Atlantic City, had a large order from the firemen last Wednesday.

R. G. Palmer is bringing in some nice Perles, cut from young stock, to the Flower Market.

The presentation of the Waretown Rod & Gun Club log book and a pretty silver tea set to John Westcott for himself and Mrs. Westcott, was a pleasant feature of the September Florists' Club meeting. Robert Craig made a happy presentation speech. Everybody present toasted the bowling team in Westcott punch from the Hitchings cup.

George M. Moss expects to take a team of bowlers to Atlantic City shortly.

J. Henry Bartram, of Lansdowne, is sending in nice Beauties to Edward Reid.

PHIL.

ANGOLA, IND.—Powers & Johnson are putting up a carnation house 14x60.

BUFFALO.—W. F. Kasting's storehouse at 153 E. Mohawk street, was damaged \$200 by fire caused by the explosion of an oil stove, August 28.

BILLERICA, MASS.—Backer & Co. have benched all the latest varieties of carnations and propose to go into the cutting business quite extensively next season.

ST. LOUIS.

The Market.

Trade showed signs of improvement the past week, although some complain that business is still very dull. The wholesalers are not overcrowded with stock of the first grade. Of the second grade there is more than the demand calls for. Roses of the new plantings are beginning to come in, and are of fair quality. Bride, Carnot and Kaiserin are in most demand. Bridesmaid is a little off in color and Meteor mostly bullheads. When in this condition they are of little use for any kind of work. Perle is yet too soft to sell well. The best price for good roses the past week was \$5 to \$6, but the bulk of the stock went from \$2 to \$3 per 100. Beauties are as yet limited in supply, but the demand is good and barely enough come in to supply the demand; \$2 is the price for the best. All growers about here have about finished planting their carnations, and from reports from some of them the new varieties are doing splendidly. The blooms are improving greatly and they are not so scarce as last week. Good, long stems now bring \$1, while for shorts 50 and 75 cents per 100 is considered a big price. Asters are beginning to give out, and very little good house-grown stock is in the market today. Some fairly good shipped in stock is selling well.

It won't be long until chrysanthemums will be with us again. Some of our chrysanthemum growers around here have excellent plants. A visit to a few of these places disclosed the fact that most of them will be right in it again this season. Valley continues good in this market, but the demand is somewhat slow. More of it is being shipped out than sold locally. Armstrong's Ever-blooming tuberosa stalks are in abundance, and most of them come from Kirkwood, the home of the originator. These are sold very cheap in big lots. Gladioli have very little sale, with plenty of them in the market. All outdoor stock is looking better, with plenty of it, and no demand. Hydrangea paniculata is seen in good form at several of the dealers' and sells well. Nothing special in greens this week. Plenty of everything in the market at the usual price.

Various Notes.

S. S. Skidelsky, of Philadelphia, was in town last week, selling almost everything a florist uses.

Some of that 3,000 pounds of happiness which our friend, J. Austin Shaw, referred to in last week's issue, was with us last week in the shape of Arnold Ringier, who looks after the interests of W. W. Barnard & Co., of Chicago. Arnold left for the south Sunday night.

John Young and family returned Saturday from a four weeks' stay at Atlantic City, N. J. This much needed rest did John a great deal of good, and he is ready for a big season's business.

J. L. Irwin, who has charge of the Philippine Island exhibit at the World's Fair, is in town with 3,000 orchid plants and some 200 palms. Mr. Irwin is looking for a suitable place here to house the plants during the winter.

The Michel Plant and Bulb Co., September 8, held an auction sale of surplus stock, consisting of ferns, begonias and pot roses.

A visit to the Missouri Botanical Garden last week found Prof. William Tre-

lease returned from his vacation trip and looking over a stack of correspondence which accumulated during his absence. When informed by your correspondent that the S. A. F. would meet with us next year the professor was very much pleased and said he and the directors of the garden would do all in their power to help entertain the visitors during their stay. Everybody was busy in the garden shaping up things to receive the big Sunday crowd, the second of this year.

A visit was also paid to Tower Grove park, adjoining the garden, and found our dear old friend, James Gurney, and his head gardener, Phil Goebel, at the lily ponds. Both were very much pleased that the convention will be held here next year. Mr. Gurney, especially, is delighted with the prospect of seeing many of his old friends who are members of the S. A. F. The large houses in the park are being put in shape to receive all the outdoor plants of this beautiful park, and, as Mr. Goebel says, there is plenty of work ahead from now until frost sets in.

Some of the flower beds and young trees in City Hall park are in very bad condition at the present time, and should be looked after. The park commissioner or his superintendent should place competent men in charge. Experience and not politics should be put in force in the park department. The great concourse of people that the World's Fair will attract next year, together with the visit of the Society of American Florists, should see the parks in the best possible shape. It's up to Park Commissioner Aull and his superintendent, Andrew Meyer, Jr., to make a reputation as to their ability to handle the great parks of our city.

The second open Sunday of this year at Shaw's Garden took place September 6. The day was most beautiful, and some 20,000 persons visited the garden during the day. Everything about the garden looks fine and is in apple-pie order.

Bowling.

The bowling club on Monday night rolled the regular weekly games, in which Charlie Kuehn again showed fine form, making an average of 220. Carl Beyer was second and Beneke third.

Player—	1st.	2d.	3d.	Av.
C. A. Kuehn.....	188	243	219	220
Carl Beyer.....	149	211	149	170
J. J. Beneke.....	162	180	165	169
Wm. Adels.....	152	160	180	164
Theo. Miller.....	171	146	162	160
Fred Weber, Jr.....	148	135	154	146
Fred Meinhardt.....	126	123	107	119

J. J. B.

BOSTON.

Business is better but cannot be printed in large capitals just yet. Good material is not so plentiful and these two conditions affect prices a bit, but not too heavily. Roses continue much too plentiful, but carnations are really quite scarce. Very few first class asters are seen, but bushels of poor ones.

Edward O'Brien, the Cambridgeport florist, died very suddenly last week. He was feeling as usual and arose at the ordinary hour that morning, but was found dead in the bath room a few minutes later.

As a result of the tearing down of a business block on Washington street, many firms are moving and Mrs. N. F. Sutherland, the Paddock Florist, sells her lease at a good figure, and for the time

being salesmen have one less call to make.

Has Elliott's invincible ball team met a Waterloo? G. W. Hilliard's men at Exeter, N. H., have been developing much muscle in the erection of a new greenhouse, much agility in climbing rose bushes to clip off superfluous buds and much endurance waiting for a rise in fall business. So they went over to Madbury a week or so ago and rubbed the baseball situation there right into the mud to the tune of 14 to 2.

J. S. MANTER.

CINCINNATI.

The Market.

The past week was one of considerable activity for this time of year. All of the retail florists are busy with large funeral orders. There is a good deal more of first-class stock on the market, the few cool days of last week working wonders, especially with roses. Outdoor stock is in a bad way now, first from lack of rain, and second, the aster bug has descended upon many promising fields. In several cases the asters were a total loss. Home-grown gladioli are poor, owing to the lack of water. The northern asters and gladioli are now in their prime. Some A1 stock is being handled by the wholesale houses, and prices are good. At the present time the market is well cleaned up of all grades of asters, and more could be used to advantage.

Carnations continue scarce. Those from indoors are improving rapidly and what few are to be had sell readily. Wm. Rodgers is cutting some fine Flora Hill from old plants, also some Scotts almost as good as those cut in winter. Roses are still in large supply, especially short-stemmed roses. American Beauties are the best thing the market affords, good color and substance, stems ranging from six to thirty inches. They sell at \$1 a foot per dozen, and more could easily be disposed of.

Various Notes.

Allen Drake is receiving the congratulations of his many friends. It's a boy, and I must not fail to add that Grandpa is also doing nicely.

Not all florists are machinists, but if you want a job with Fred Gear you must be one. Last week he made a floral machine planer. It was full-size and when you take into consideration the difficulty of such a job it was a very creditable piece of work.

Cards are at hand announcing the wedding of Miss Lucy Hardy Swan to W. Weber, at Oakland, Md., September 12.

J. T. Conger has returned from Tiffin, O., where he attended a National Union convention.

The Fall Festival is now on in full blast, and the city is crowded with strangers. Chas. W. Crouch was the first florist to arrive. In speaking of his plant at Knoxville, Tenn., he says that prospects were never better.

George & Allan have one of the finest houses of mums I have ever seen. The variety is Estelle, the new early white. They stand about three feet high at present, and are as even as if they had been trimmed with shears. C. J. OHMER.

IOWA FALLS, IA.—Miss Jennie Smuck has built greenhouses on the south side and W. H. Speers has put up glass on his truck farm north of town. Each will grow cut flowers and plants.

For Fall Openings

If you suggest it, your local dry goods, millinery, clothing and other stores will use a lot of Asparagus for decorating for fall openings. We can supply the goods so you can do the work and make a nice profit. Strings from 25c to 50c. Good value for the money.

E. C. AMLING,

The Largest, Best Equipped and Most Centrally Located
Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St.,
Long Distance Telephones 1978 and 1977 Central.

Chicago, Ill.

AMERICAN BEAUTY,		Per doz.
24-inch stem.....		\$2.00
20-inch stem.....		1.50
15-inch stem.....		1.25
12-inch stem.....		1.00
Short stem.....		\$4.00 to \$6.00 per 100
		Per 100
Brides and Maids		\$3.00 to \$5.00
Meteors and Gates.....		3.00 to 5.00
Kaiserins.....		3.00 to 8.00
Carnations		1.00 to 2.00
Asters.....		.50 to 2.00
Auratum Lilies, per doz., \$1.25		
to \$1.50		
Gladioli.....		2.00 to 3.00
Tuberose, 50c to 75c per doz.		
Valley		4.00
Asparagus, per string, 25 to 50c.		
Asparagus Sprengeri.....		3.00 to 6.00
Ferns...per 1000, \$1.25		.15
Galax... ..		1.50
Adiantum .....		.50 to .75
Smilax		per doz., \$1.25 8.00

Subject to change without notice.

MILWAUKEE.

The Market.

Trade conditions are somewhat quiet. Socially there is nothing doing, but a few prominent funerals the last week cleaned up a little stock in light colors. Shipping trade is also very light. There is a large supply in the market of nearly all seasonable flowers. Roses are more plentiful at this time than in previous seasons. Carnations are about equal to demand, but the quality is poor. Asters are coming in freely and of good quality, although many growers are complaining of the continued wet weather damping them off. It has been a bad season for sweet peas and there were practically none in the market the entire season. Gladioli are plentiful, but there is little call for them.

Various Notes.

Most of the growers are busy housing carnations and making general repairs for winter. There will be quite an increase in the supply of carnations the coming season. Some growers have built new additions and many have discarded certain sorts and are growing more heavily of the best commercial varieties.

The violet crop looks better than it has for several seasons. Otto Sylvester, August Schueneman, Robert Zepnick, Loeffler Bros., and Otto Eggebrecht, who are the principal growers of violets for this market, have each benched a fine looking lot of plants and all appear to be free from disease.

The cut of chrysanthemums will also be equal to, if not larger than that of former years. Nic Zweifel is growing a fine lot of single-stem blooms. C. Johansen will also cut a quantity of them. Currie Bros. have several houses of them. Mrs. A. Middlemass and William Edlefsen have each benched a fine lot of Glory of Pacific, Eaton, Yellow Eaton, Ivory and Bonnaffon.

H. C. Kruseberg and wife and Mrs. William Edlefsen have returned from a trip to Europe. They spent two months visiting the principal points of interest on that continent. Mr. Kruseberg, who is the son-in-law of Mr. Edlefsen, has interested himself in his establishment and will assume charge of the down-town store. Mr. Edlefsen will look after the greenhouse. He has purchased the prop-

erty on which the store is located and will remodel the latter, making it one of the finest retail establishments in the northwest.

C. Johansen has completed one new house; C. Burmeister has added one house; Heitman & Baerman, three houses for carnations; H. Schwebke, one house for roses; Chas. Kitzerow and F. Kaiser, one house each for miscellaneous stock; C. C. Pollworth Co., three large rose houses and two carnation houses, and are installing two immense boilers for the heating of their entire plant.

Convention Topics.

Most of the crotons and the large kentias and Piersoni exhibited by Craig, Dreer and F. R. Pierson, which were purchased by the C. C. Pollworth Co., have been sold. Otto Speidel, with Mrs. P. A. Valentine, of Oconomowoc, was a large purchaser. The huge goat has been loaned out to exhibit at a state fair. The special rate of one fare and a fifth, granted to C. C. Pollworth Co., as members of the Manufacturers' Association, attracted many visitors. Membership cards were sent to several hundred in the trade throughout the west and it was quite a saving to the craft. The Denver delegation alone, which came on these tickets saved about \$50. About 250 members from western points took advantage of this rate.

H. V. Hunkel, secretary of the Milwaukee Florists' Club, is distributing the remainder of the souvenir books to members who joined the society while here. About 200 members were taken in, a pretty good showing for this convention.

The photographer has had trouble filling orders for the convention photograph, but will soon deliver all prints. C. C. P.

ST. JOSEPH, MO.

Business is still almost at a standstill, a small wedding decoration now and then and an occasional funeral order. The number of deaths during the month of August just past was only thirty-five and for the same month for 1902, sixty-three deaths were reported. The rate this season has been remarkably low, considering a population of 103,000.

L. J. Stuppy and son, Frank, have returned from a western fishing trip.

Mrs. Fred Krumm is quite ill.

Mr. Bell, of Mt. Mora cemetery, is on nettles. His greenhouses are torn down

Miscellaneous Greenhouse Stock

	Per 100
Acalypha Macafeeana.....	\$3.50
Strobilanthes Dyerianus, 75 cts. per doz.	5.00
Abutilons in var., \$20.00 per 1000.....	2.50
Pompon Chrysanthemums, 50 var., \$17.50	
per 1000.....	2.00
Coleus, in var., \$17.50 per 1000.....	2.00
2 1/2-in. pots, per 100	
Fuchsias, in variety.....	\$2.50
Hardy English Ivy, extra strong.....	2.00
Lemon Verbena.....	2.50
Sedum variegata.....	2.00
Smilax.....	2.00
Swainsona Alba.....	2.00
(Rooted Outtings of Hardy English	
Ivy, 75c per 100; \$5.00 per 1000.)	
Send for trade list. Cash with order.	

R. VINCENT, Jr. & SON, White Marsh, Md.

Mention the Review when you write.

Zirngiebel

Huge Jewels
of Velvet and
Gold. (Boston Transcript)

GIANT PANSIES

The finest strains in cultivation, either here or abroad. Trade packet at \$1.00 each. Also plants for sale at \$5.00 per 1000.

DENYS ZIRNGIEBEL, Needham, Mass.

Mention the Review when you write.

to be remodeled, heating apparatus torn out and the plumbers on a strike.

E. V. Meyers spent a week visiting friends in the country.

Krumm Bros. have been adding more glass for carnations and roses.

J. N. Kidd is "setting them up" on account of a big twelve-pound boy at his home.

During the theater season of 1902-3 the demand for flowers for theater use and wear was very light with the St. Joe florists. A few years ago there were a great many flowers worn on such occasions. Has the demand dropped off in other places? What can we do to revive it?

We are having delightful weather, with enough rain to insure a big corn crop, and this means money for us all.

TORONTO, ONT.—The employes of John H. Dunlop were entertained by their employer at a picnic at Rosebank on August 25. The program consisted of games of various kinds. Those who couldn't run 100 yards were given a chance to sit on a log and smoke a cigar in record time.

NURSERY NEWS.

AMERICAN ASSOCIATION OF NURSERYMEN.

Pres., N. W. Hale, Knoxville, Tenn.; Vice-Pres., F. A. Weber, St. Louis; Sec'y, Geo. C. Seager, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-eighth annual convention will be held at Atlanta, Ga., June, 1904.

THE American Pomological Society is holding its biennial meeting and exhibition at Boston this week.

THE collection and sale of peach seed to nurserymen has become an established industry of Elbert county, Georgia.

C. W. WARD, of Queens, contributes a handsomely illustrated article on the peony to the September number of Floral Life.

THE honey locust, *Gleditsia triacanthos*, is an admirable tree, very hardy, of quick growth and good proportions. Its spines are sometimes a protection against mutilation.

T. J. DWYER, Cornwall, N. Y., issues a 125 page Guide to Hardy Fruits and Ornamentals, principally devoted to descriptions of tested varieties. We can supply it postpaid for 50 cents.

THE companies operating trolley lines in the United States have built and are maintaining no less than 352 parks for the sake of the nickels earned by carrying people to enjoy them.

J. A. PETTIGREW says that "the tree that may fairly be said to be the best city tree for hard conditions is the tree of heaven, *Ailanthus glandulosa*." Some people object to it because of the overpowering fragrance of the staminate flowers, about its only drawback.

FREDERIC W. TAYLOR, chief of horticulture at the St. Louis World's Fair, passed through Chicago September 3, escorting his family to New York, whence they sailed for Europe, to be gone until after the fair. Mr. Taylor is at Boston this week, attending the meeting of the American Pomological Society and next week will be at Ogden, Utah, at the National Irrigation Congress.

SAN FRANCISCO.

The Market.

Business is extremely quiet and has been so for the past two weeks. Weddings are scarce and there is very little in the line of funeral work. Flowers, except roses, are very plentiful and can be had for any old price. The bottom dropped completely out of the aster market, and only the largest and finest flowers can be sold at all. The street vendors sell bunches containing two dozen flowers, nicely arranged with ferns, for 10 cents. In a couple of weeks, however, asters will be over for the year and the chrysanthemums will take their places. Sweet peas are a drug at present and can be had for anything offered. Gladioli and dahlias are not so plentiful, but there is an abundance of other outdoor flowers.

Carnations are stationary in price and of fair quality. Roses are not plentiful, except poor flowers, and they are in fair demand. American Beauties bring from \$1.50 to \$2.50 per dozen, wholesale. Kaiserin, Bride, Testout and Liberty sell

at from 50 to 75 cents per dozen, and poor flowers at any price. There is a good demand for *Lilium rubrum*, roseum and album at \$1.50 to \$2.50 per dozen stems, and also for *Lilium longiflorum* at from \$1 to \$2 per dozen.

Notes.

A. Mann, Jr., has been painting and generally overhauling his store for the last two weeks. It presents a very neat appearance.

Charles Steppanbach reports business better than last year at this time. He has one of the largest stores in San Francisco.

LAKE GENEVA, WIS.—H. G. Selfridge has given an order for a Furman boiler to heat his new conservatory, Riemer & Radmer, of Milwaukee, being the agents.

TARRYTOWN, N. Y.—At the August meeting J. H. Troy, of New York, offered a silver tea set as a prize for the best grown plant other than fern exhibited at the fall show, competition open to private gardeners only.

American WHITE ELM

Nursery Grown Transplanted Trees.

Best Trees for Park and Boulevard.	Each
25,000 White Elm 2 to 3 in. diam.,	\$1.00
5,000 White Elm 3 to 4 " "	1.50
1,000 White Elm 4 to 5 " "	2.50
1,000 Hackberry 2 to 3 " "	1.25
250 American Linden 2 to 3 " "	1.25
50 European Mt. Ash 2 to 3 " "	1.50
1,000 Hardy Catalpa Speciosa, 4 to 6 ft. high,	10c
1,000 Russian Mulberry 5 to 7 " "	10c
500 Russian Mulberry 8 to 10 " "	25c
Thirty-one years' experience growing Nursery Stock in Minnesota. Send for Price List.	

Address **CHAS. HAWKINSON,**
EXCELSIOR, MINN.
Mention the Review when you write.

VREDENBURG & CO.

ROCHESTER, N. Y.
Lithographing, Printing, Engraving.
Binding exclusively for FLORISTS,
SEEDSMEN and NURSERYMEN
Sample Colored Plates free—Send for Catalogue
UNEQUALLED FACILITIES
Mention The Review when you write.

Send to **THE MOON**
Company
For { Trees, Shrubs, Vines,
Your { and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.,
Morrisville, Pa.

Peterson Nursery,

164 La Salle St., CHICAGO.
PEONIES
And HARDY ORNAMENTAL STOCK.
Write for illustrated price list.
Mention the Review when you write.

W. & T. SMITH COMPANY,

GENEVA, N. Y.
Wholesale Growers of Ornamental Trees, Shrubs
Roses, Clematis, Fruit
Trees, and Small Fruits
in great variety.
Send for our Wholesale Price List.
Mention The Review when you write.

Seed Trade News.

AMERICAN SEED TRADE ASSOCIATION.

Pres., S. F. Willard, Wethersfield, Conn.; First Vice-Pres., J. Chas. McCullough, Cincinnati, O.; Sec'y and Treas., C. E. Kendel, Cleveland, O. The 22d annual meeting will be held at St. Louis, Mo., June, 1904.

THE prospects for a corn crop show considerable improvement.

TOMATO is yet a doubtful quantity, all depending upon weather of the next two weeks.

THREE new mills of the most approved type are being installed in the Leonard Seed Company's Chicago warehouse.

W. UTTERMAN, with L. L. May & Co., St. Paul, is in California. A. W. Martin, of the same firm, has returned from Europe.

CURRIE BROS., florists and seedsmen, of Milwaukee, have incorporated with a capital stock of \$100,000. James Currie, Sr., James Currie, Jr., and William Currie are the incorporators.

J. CHARLES MCCULLOUGH, Cincinnati, suffered a loss of \$25,000 through water September 2, as the result of a fire next door to his seed warehouse. He was fully insured.

EVERETT B. CLARK, of Milford, Conn., was a recent visitor at Chicago on his way to Omaha. He reported onion seed in the Wethersfield section as being very short, the globe varieties particularly so.

C. P. COY & SON, Waterloo, Neb., report high water August 26, which inundated some of their best seed lands. Details of the damage cannot yet be given, but Mr. Coy says he has a feeling that they were hit rather hard.

THE situation on cucumber seed is keeping the trade guessing. A Nebraska grower is offering probable surpluses of several standard sorts. Eastern dealers are shy at making quotations, feeling sure that a great shortage will develop. In between these points wood-sawing is in order and the best is hoped for.

LESTER L. MORSE, of C. C. Morse & Co., Santa Clara, Cal., writes under date of September 2: "Crops generally, with us, are full. The only serious shortages exist in sweet peas and some kinds of carrot. The weather during harvest has been very fine to date, and we are more advanced with our work than usual."

THE milling of Alaska and extra early peas shows quite a shrinkage. Considerable hand-picking will have to be done to make the samples right. Wrinkled sorts are likely to fall down in like manner. Late sorts are all in the stacks, but it will take the result of the threshing to determine the quantity. Some of the sorts are bound to be short.

IN Michigan the prospects for a good bean crop remain favorable. If early frosts keep off and good weather prevails for the next two weeks, it is expected that the quality of beans harvested will be excellent. The New York sections have been hit hard right along by the cold, wet weather and the crops there are bound to be poor, both as to quality and quantity.

Away BELOW Cost. CYCAS STEMS. Only 10 cases unsold—speak quick if you want one.
Price only \$4.00 per hundred lbs.
 Write or telegraph.
STUMPP & WALTER CO., 50 Barclay Street, New York City.
 Mention the Review when you write.

SUZUKI & IIDA
LILIUM HARRISII!
 SPECIAL PRICES ON APPLICATION.
31 BARCLAY ST.
NEW YORK.
 Mention the Review when you write.

VISITED CHICAGO: F. W. Maas, with the Plant Seed Co., St. Louis; Jas. Comont, with Carter, Dunnett & Beale, London, England; Adolph Corneli, of Schisler-Corneli Seed Co., St. Louis.

THE Michigan cucumber crops show fair in some sections, and very poor in others. The aphid has done a great deal of harmful work, and it is a very doubtful outlook that confronts the grower at present.

MANY of the onion set speculators are unable to locate themselves properly. The fear that there is quite a quantity of sets hid away somewhere bothers them. Straight information seems to be of no use, and it is likely that nothing but time will put the set market where it should be. The question that the crop harvested is considerably below normal is quite generally understood and admitted, but it seems hard to get the prices up to where they belong.

SEEDSMEN MAY GET TOGETHER.

According to a recent issue of the Cincinnati Commercial Tribune, there is to be a meeting of committees of the American Seed Trade Association and the Wholesale Seedsmen's League in Chicago early in September. The purpose of the meeting, it is said, is to form a giant combine and to take drastic action to stop the government free seed distribution. These propositions are not new to the majority of the seed trade. Considerable space in different periodicals has been given to one of them, and a good deal of verbal discussion has been given the other. If, therefore, things can be brought to a focus by these committees and measures adopted to squash free distribution and establish a good working combine, the committees will have achieved renown.

No official notice of any meeting of committees has been received as yet, but the paper referred to gives Albert McCullough credit for the information it hands out; consequently there may be something in it. The trouble heretofore has been the lack of sympathy between the different sections when anything bearing upon these matters has been discussed. A close approach to consolidation of interests was knocked some time back by lack of unanimity, petty animosities seeming to be a stronger factor than good business sense. It is to be hoped that if there is anything new on foot in relation to these important matters a whole-hearted effort may be put forth.

Burpee's Seeds Grow

SEEDS

THE ALBERT DICKINSON CO.

Timothy, Clovers, Flax, Hungarian, Millets, Red Top, Blue Grass, Lawn Grass, Orchard Grass, Pasture Mixtures, Bird Seeds, ENSILAGE CORN, POP CORN, BUCKWHEAT, BEANS, PEAS, ETC. COTTON GRAIN BAGS. CHICAGO ILL.

**Buy Your Bulbs
 In St. Louis**

SELECT WHITE CALLAS.

2 to 2½ in. diam..... doz., \$1.25; 100, \$9.00
 1½ to 2 in. diam..... doz., 1.00; 100, 7.00

.....IN STOCK NOW.....

Freesias, Callas, Harrisii, Bermuda Longiflorum, Candidums, etc.

BULB CATALOGUE

NOW READY FOR MAILING.

**PLANT SEED CO.
 ST. LOUIS.**

Mention Review when you write.

CROP --- 1903

PANSY, SUPERB MIXED, unexcelled, ½ oz., 75c; oz., \$5.00.

CINERARIA, DWARF, finest mixed, pkts., 50c and \$1.00. **CINERARIA, TALL**, finest mixed, pkts., 50c and \$1.00.

BELLIS PERENNIS, Giant Red, White and Pink, pkts., 25c; ½ oz., 40c.

W. C. BECKERT, - ALLEGHENY, PA.

Mention the Review when you write.

CHESTER, PA.—R. W. King says business has been unusually good, but mostly funeral work.

JEFFERSONVILLE, IND.—Joseph Molck went to Milwaukee the week after the convention to pick up some of "the cream of the stock."

I SENT a telegram today to stop my advertisement of violet plants. Hope you received it in season to leave it out of this week's issue as I am all sold out and could have sold a good many thousand more, from the way the letters keep coming; it keeps me busy now answering them.—JOHN B. RUDY, Elmira, N. Y.

ESTABLISHED 1802.

**Thorburn's
 Bulbs**

Our Wholesale Catalogue of Bulbs and Flower Seeds for Florists now ready.

We have a large stock of extra fine strong bulbs of

Lilium Harrisii

Send for our prices before ordering elsewhere.

Dutch Hyacinths, Narcissus, etc.

Now Ready.

J. M. THORBURN & CO.

36 Cortlandt St., NEW YORK.

Mention the Review when you write.



LONGIFLORUMS,

HARRISII,

FREESIA, OXALIS,

Now ready for delivery. CALLAS.

Annual Trade List of **BULBS** sent on application.

W. W. RAWSON & CO., Seedsmen

12 and 13 Faneuil Hall Square, BOSTON.

Mention Review when you write.

**CALLA AND
 BELLADONNA BULBS
 FOR SALE.**

**California Nursery Co.,
 NILES, CALIFORNIA.**

I CANNOT do without the REVIEW, as it is the best guide as to where to buy stock, and if I have anything to sell I can't do better than to advertise in the REVIEW.—E. O'NEIL, Wheeling, W. Va.

WANT ADVERTISEMENTS.

Advertisements under this head one cent a word, cash with order. Plant advertisements NOT admitted under this head.

Every subscriber is entitled to a free situation wanted or help wanted advertisement not exceeding 35 words in any one issue during the year. If the advertisement exceeds 35 words, send at the rate of one cent for each additional word.

When answers are to be addressed in our care, add 10 cents for forwarding.

SITUATION WANTED—In a first-class place by a temperate young man; six years' experience; good design and bouquet maker; also a first-class clerk; New York or New England preferred. Address No. 168, care Florists' Review, Chicago.

WANTED—At once, a young man with 8 or 4 years' experience in greenhouse work; wages to begin with, \$10 per week. Chas. Beyer, 3619 South Grand Ave., St. Louis, Mo.

SITUATION WANTED—By first-class cut flower grower as working foreman or section man; only first-class place wanted. Chicago preferred. No. 170, care Florists' Review, Chicago.

SITUATION WANTED—By middle aged man of long experience. Good grower of roses, carnations, violets, mums and miscellaneous stock; capable of taking charge wholesale or retail place; reliable and energetic; no family. Address Florist, 137 Harrison Ave., Boston, Mass.

WANTED—One second-hand hot water boiler to heat 500 sq. ft. of glass; must be in good condition. Quoted lowest price to Chas. Zimmer, West Collingswood, N. J.

WANTED—Two young men with some experience in the retail flower business. Address, stating salary expected, C. A. Samuelson, 2129 Michigan avenue, Chicago.

WANTED—A hot water boiler to heat 300 ft. of glass; must be in good order. Cash. H. C. Garrard, Sugar Creek, Venango Co., Pa.

FOR SALE—A hot water boiler; splendid heater for place of about 500 feet of glass; reason for selling, too small for my place. Robert Buck, Greenfield, Ohio.

WANTED—Hot water boiler capable of heating at least 2,500 feet of glass; also necessary pipe; must be good and cheap; no brick set boiler. J. Loehrer, Florist, Boone, Iowa.

SITUATION WANTED—Gardener, single, to take charge of greenhouses on private place; good fruit and outdoor grower; good references. Address, Gardener, Box 48, Garrison, N. Y.

WANTED—Sober, reliable man as night fireman for steam and hot water greenhouse boilers; must be experienced. Address, John Lewis Childs, Floral Park, Long Island.

WANTED—Florist, competent to take charge 600 feet glass; grow cut flowers and general stock; state wages with references, etc. J. C. Steinhäuser, Pittsburg, Kansas.

WANTED—To exchange for violets and carnations 1,200 ft. of bars, 6 ft. 6 in. long, 116 feet gutters, 116 feet ridges and 7 ventilator sash, all new; in need of 4.00 Marie Louise and 2,000 carnations; give prices. Address, Sibley Greenhouses, Sibley, Ill.

SITUATION WANTED—By working foreman; Scandinavian; middle aged; married; life experience in growing cut flowers; able to take charge of any sized place; state wages and size of place; first-class references. Address J. A. Rosengren, 449 Madison ave., Grand Rapids, Mich.

SITUATION WANTED—By competent grower of carnations and potted plants; middle east preferred; take charge of small place or assistant in large one; age 37, married, small family; state particulars and wages. Address No. 166, care Florists' Review, Chicago.

SITUATION WANTED—An experienced salesman and designer open for engagement on or before Sept. 15th; first-class store only. State wages. Address No. 145, care Florists' Review, Chicago.

WANTED—At once, a reliable, all-round man for commercial place; single and German preferred; reference required. Boehringer Bros., 325 Park Avenue, Bay City, Mich.

WANTED—Two or three men for carnations and roses. Bassett & Washburn, Hinsdale, Ill.

WANTED—Two single men for roses and carnations. Pittsburg Rose & Carnation Co., Crystal Farm, Gibsonia P. O., Pa.

WANTED—Good, bright, energetic young man for a first-class retail store, one who understands greenhouse work, decorating and cut flower work thoroughly; state salary wanted and give references; World's Fair City. Address No. 165, care Florists' Review, Chicago.

WANTED—A good all-round florist; prefer one with some energy and temperate, also able and willing to buy or lease a money making business after a time; \$40.00 a month to start and house. Nitsche's Greenhouses, Dallas, Tex.

WANTED—Capital to increase glass area in a well established business, in town and neighborhood of 10,000; no competition. Would take partner with necessary capital. P. O. Box 148, Greenport, L. I. N. Y.

WANTED—Three experienced rose growers who know their business and will work to merit advancement. Good salary paid if ability is shown. Poehlmann Bros. Company, Merton Grove, Cook Co., Ill.

FOR SALE—Cast iron boiler for 2500 ft. of glass, \$50.00 cash. Dann & Son, Westfield, N. Y.

FOR SALE—Ballard's greenhouse, Perry, Iowa; cause, poor health. Wm. Ballard, Perry, Ia.

FOR SALE—Hot water boiler nearly new, good to heat 2500 feet of glass or less; price \$50.00. F. O. B. Chicago, Ohio. John Klink, Chicago, O.

FOR SALE—A bargain—Boiler (25 H. P.) half front and fixtures complete, in good working order. Sam. Van Bochove, Kalamazoo, Mich.

FOR SALE—Cheap for cash, second-hand 4-in. cast iron pipe and fittings. Good condition. Address Cole Bros., Box 577, Peoria, Ill.

FOR SALE—One boiler 4x14 ft., 1200 ft. 1-inch steam pipes, 1000 ft. 1½-inch pipes and fittings; florist wagon; all in good condition. 1317 North Michigan ave. Saginaw City, Mich.

FOR SALE—Cheap for cash, one Scollays No. 5 Hot Water Heater, in excellent condition, with 800 feet of 4-inch cast iron pipe, fittings, expansion tanks, etc. Rosemont Gardens, Montgomery, Ala.

FOR SALE—Wholesale florist's ice box, almost new, filled with granulated rock, lined with galvanized sheet iron; 8 feet wide, 5 feet deep, 9 feet high, in sections; \$80.00 f. o. b. Pittsburg. Fred Burki, Bellevue, Allegheny, Pa.

FOR SALE—The Florence Greenhouses, nearly 300 feet of glass; completely stocked with general line of plants; good stock of supplies. Good stock hardy plants outside. Hot water heat; splendid trade; best town in Colorado; no competition. \$1000 cash takes it. Worth \$3000. Immediate possession. Templin & Co., Florence, Colo.

FOR SALE—New greenhouse material as follows: New 2-in. black pipe, long lengths, 10 cts. per ft.; 6x8, 50 ft. boxes, American glass, single, \$2.25 per box; 6x8, 50 ft. boxes, American, double, \$2.70 box; 6x8, 100 ft. boxes, French, single, \$4.00 box; 8x10 single French glass, \$4.50 per 100 ft. box; 12x14, 16x18, 14x14, 50 ft. boxes, American glass, double, \$3.50 box; 12x12, 10x14, 50 ft. boxes, American glass, single, \$2.40 box. Clear gulf cypress greenhouse material, and everything for building. Send for prices. S. Jacobs & Sons, 1365 to 1375 Flushing Ave., Brooklyn, N. Y.

FOR SALE—Retail greenhouses; long established; first-class reputation; about 3,000 feet of glass; connected with two tenement dwellings; hot and cold water; in center of town; one minute from depot; two railroads; in active, growing town of about 9,000 people; must sell; a bargain; low for cash. Death of proprietor reason. The N. A. Chase Greenhouses, Winsted, Conn.

FOR SALE—One No. 20 Wilks hot water boiler with stack complete, used only three months. A bargain for cash. James W. Dunford, R. R. No. 1, Clayton, Mo.

FOR SALE OR RENT—Eight greenhouses, two 12x20, one 120x24, two 68x24, one 50x12, and two 68x12. All heated by steam; hot-air pump and windmill; also 9 room dwelling, heated by steam from greenhouses, with hot and cold water; several acres of ground. Apply to William Yeager, 68 East Main St., Norristown, Pa.

FOR SALE—well-established wholesale and retail bulb and plant business. Ten acres of ground; 5 acres in cultivation. Two greenhouses, 2,000 square feet. Large warehouse, 35x45; large barns, all newly built; eight-room dwelling and other out-houses. Some very useful stock. Eleven miles from New York City. A grand opportunity. Address No. 167, care Florists' Review.

FOR SALE.

In a thriving Ohio town of about 22,000 inhabitants, fine greenhouse plant, consisting of 8 greenhouses, ranging in size from 12x100 to 30x130; also fine workshop and modern up-to-date office and storeroom attached. For particulars address,

S. S. SKIDELSKY,
708 North 16th St., PHILADELPHIA.

A Great Nurseryman in Holland

Wishing to extend business in America, asks an active person acquainted with the trade to sell his goods (especially **WEeping, ORNAMENTAL AND FOREST TREES, SHRUBS AND CONIFERS, ETC.**) under personal responsibility.

Send solicitations with references to
No. 169, care Florists' Review,
Chicago.

THE AMERICAN CARNATION

HOW TO GROW IT.
FULLY ILLUSTRATED.

By C. W. WARD.

A PRACTICAL work on Carnation growing; complete in every particular, including the full calendar of operations for the year, with chapters on Soils, Fertilizers, Insects, Diseases, Heating. Each and every phase of commercial Carnation culture treated clearly and comprehensively. The book contains 290 large pages, finely printed. It should be in the hands of every grower.

Sent carriage paid on receipt of \$3.50.

Florists' Publishing Company,
Caxton Bldg., Chicago.

The FLORISTS' MANUAL

by
WILLIAM SCOTT

Price, \$5.00 Carriage Prepaid.

Florists' Publishing Co., CAXTON BUILDING, Chicago.

Is a book of 224 large pages (same size as those of the Florists' Review), and contains about 200 articles on commercial plants and cultural operations, each giving "the meat" only, from the personal experience of a thoroughly practical man who is in daily touch with each department of the business and who has that rare quality of being able to tell others what they want to know. The articles are arranged alphabetically, like those in an encyclopedia, and in an instant one can turn to the subject upon which light is desired at the moment. The book is illustrated by over 200 fine half-tone engravings. It is

A Complete Reference Book for
Commercial Florists

and is a whole library on practical commercial floriculture in one volume. It is very handsomely and substantially bound in half leather, with specially designed title in gold.

LEO NIESSEN • WILD SMILAX!

Galax Leaves and Hardy Ferns.
Wholesale Florist — 1217 Arch St. — PHILADELPHIA.



JUST RECEIVED FRESH MUSHROOM SPAWN

OUR Celebrated ENGLISH MILLTRACK (made by the best maker in England especially for our trade) has earned an enviable reputation among critical growers for its uniform good quality and can be thoroughly relied upon to produce a good crop of the best Mushrooms. Per brick (about 1 1/4 lbs.), 15c; postpaid, 25c; 10 lbs., 80c; 25 lbs., \$1.50; 100 lbs., \$6.00; 1000 lbs., \$55.00.

NOW READY! WHITE ROMAN HYACINTHS.

PAPER WHITE GRANDIFLORA NARCISSUS.

White Roman Hyacinths, 12-15 centimeters. \$2.00 per 100; \$26.00 per 1000.

Paper White Grandiflora Narcissus. \$1.00 per 100; \$9.00 per 1000. Freesias (Bermuda grown) fine bulbs, 18 centimeters and over, 10c per doz.; 60c per 100; \$5.00 per 1000. Selected DUTCH BULBS — Ready for delivery — Get our prices.

JOHNSON & STOKES, 217 and 219 Market St., PHILADELPHIA, PA.

Mention the Review when you write.

Good Fortune is the Chum of Opportunity.

This is your chance to lay in a stock of Godfrey Aschmann's tip-top *Araucaria Excelsa*. Do it now and they will help to fill your treasure box; they will be growing into money for you while you're asleep. We are headquarters for this great favorite among decorative plants. Our houses are full of choice April importations — no seedlings — raised in Belgium from top cuttings only. Here is my very lowest quotation. Who can beat such stock as I offer for the money?

5 1/2-in., 3 to 4 tiers, 10 to 12 in. high....\$0.50 each
5 1/2-in., 3 to 4 " 10 to 12 " very broad .60
5 1/2-in., 3 to 4 " 13 to 15 " " .75
6-in., 4 to 5 " 16 to 19 " 80c, 90c, 1.00 "

Cycas Revoluta—(Sago Palm) very fine, 6 to 7-inch pots, from 3 to 4, 5, 6, 7 and 8 leaves, 10c per leaf.

Kentia Forsteriana—26 to 42 inches high. 5 1/2-in. pots, 75c to \$1.00 each.

Ficus Elastica—Imported. 4-inch pots, 25c each; 6-inch, \$4.00 to \$5.00 per doz.

Boston Ferns—5-in. pots, 25c to 35c each; 6-inch, \$6.00 per doz.

Asparagus Plumosus—3-in., at the rate of \$10.00 per 100.

Adiantum Cuneatum (Maidenhair Fern)—4-inch, bushy, \$1.80 per doz.

Primula Chinensis—4-in., for Xmas blooming, all colors. \$6.00 to \$7.00 per 100.

Begonia—Pres. Carnot, 4-inch, \$1.00 per doz. Vernon, 4-inch, in bloom, 75c per doz.

Azalea Indica—For Xmas blooming. Deutsche Perle, Simon Mardner, Vervaeana, fine plants, pot-grown, for 40c, 50c and 75c each. Also for Easter blooming, 10 to 20 varieties, for 40c up to \$1.50 each.

Cash with order please. Goods travel at purchaser's risk only. Please state if with or without pots.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants,

1012 Ontario Street, PHILADELPHIA.

Mention the Review when you write.

Asparagus

Plumosus, 2 1/4-inch, \$1.00, 3-inch, \$6.00 per 100.
Sprenger, 2 1/4-inch, \$3.00 per 100

CYCLAMEN, 4-inch, \$10.00 per 100.

VIOLETS California, 3 1/2-in., \$2.50 per 100; \$20.00 per 1000.

Terms Cash. Satisfaction guaranteed.

S. M. HARBISON, Danville, Ky.

Mention Review when you write.

....THE....

COTTAGE GARDENS

Wholesale Florists,

QUEENS, - L. I., N. Y.

Wholesale Cut Flower Prices.

Philadelphia, Sept. 9.

	Per doz.	
Beauties, Specials.....	\$ 2.00 to \$ 3.00	
Extra.....	1.50	
No. 1.....	.75 to 1.50	
Queen of Edgely, Specials.....	2.00 to 3.00	
Seconds.....	1.50	
Thirds.....	.75 to 1.50	
Brides Specials.....	4.00	
No. 2.....	2.00 to 3.00	
Bridesmaids, No. 2.....	2.00 to 3.00	
Specials.....	4.00 to 5.00	
Kaiserin, Firsts.....	4.00 to 6.00	
Seconds.....	2.00 to 3.00	
Liberty, Firsts.....	4.00 to 6.00	
Seconds.....	2.00 to 3.00	
Meteors.....	2.00 to 4.00	
Carnations, Commons.....	.50 to 1.00	
Fancy.....	1.00 to 2.00	
Adiantum Cuneatum.....	1.00	
Lily of the Valley.....	2.00 to 4.00	
Double Petunias.....	.25 to .75	
Gladioli.....	1.00 to 2.00	
Asters, Common.....	.25 to .75	
Fancy.....	1.25 to 2.00	
Dahlias.....	1.00 to 2.00	
Fancy.....	3.00 to 5.00	

Rice Brothers

128 N. 6th Street,

MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

WILD SMILAX—Flowers billed at market prices.

Shippers of Choice Cut Flowers and Greens of all kinds. Try us.

Mention the Review when you write.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS.

MILWAUKEE, - WIS.

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The F. R. Williams Co.

Wholesale Florists...

CLEVELAND, - OHIO.

THE E. G. HILL CO.

Wholesale Florists,

RICHMOND, INDIANA.

Mention The Review when you write.

EDWARD REID, WHOLESALE FLORIST.

Beauties, Kaiserins and Valley.

1526 Banstead St., PHILADELPHIA.

Store closes at 8 p. m.

Long Distance Telephone.

Mention Review when you write.

Eugene Bernhelmer

WHOLESALE FLORIST.

Asters, Dahlias and Gladiolus.

11 South 16th Street,

PHILADELPHIA, PA.

Mention the Review when you write.

WILLIAM J. BAKER,

WHOLESALE FLORIST,

Dahlias! Valley!

1432 South Penn Square, Philadelphia.

Mention the Review when you write.

C. A. DUNN & CO.

Wholesale Florists,

1516 Sansome St., PHILADELPHIA.

Roses and Carnations.

Consignments of Choice Stock Solicited.

Bell and Keystone Telephones.

Mention The Review when you write.

Maplewood Cut Flower and Plant Co.

GEO. M. KELLOGG, Pres.

Growers of CUT FLOWERS at Wholesale.

Regular shipping orders given special attention. We have the largest plant west of Chicago.

Store: 906 Grand Ave., KANSAS CITY, MO.

Greenhouses: Pleasant Hill, Mo.

FOR SOUTHERN WILD SMILAX

(Where Quality is First Consideration.)

Write, Wire or Phone the Introducers

Caldwell The Woodsman Co., Evergreen, Ala.

or their agents: L. J. Kreshover, New York; J. B. Deamud, Chicago; H. Bayersdorfer & Co., Philadelphia; W. F. Kasting, Buffalo; J. M. McCullough's Sons, Cincinnati, Ohio; H. G. Ber-

ning, St. Louis, Mo.

Mention the Review when you write.

Peacock's ...Dahlias

For plants, bulbs or cut blooms. Address

W. P. PEACOCK,

Dahlia Specialist. ATCO, N. J.

Mention the Review when you write.

Smilax Seedlings,

50c per 100.

SAMUEL S. PENNOCK,

1612-18 Ludlow St., Philadelphia.

Mention The Review when you write.

Charles Millang, New York

We are headquarters
for every kind of Cut
Flowers in their season.

"THE LILY KING."

Reasonable Prices.
Square Dealing
Out-of-town florists promptly attended
to. Telephone for what you want.
Tel. 2230 Madison Square.

Moore, Hentz & Nash Wholesale Florists.

55-57 W. 28th St.
NEW YORK CITY.
SHIPPING ON COMMISSION.
Tel. 2034 and 2239 Madison Square.

Established 1891.
GEO. E. BRADSHAW. JOHN E. HARTMAN.
BRADSHAW & HARTMAN,
Wholesale Florists,
53 West 28th Street,
Telephone 1239 Madison Square. NEW YORK.
Consignments Solicited.
Mention the Review when you write.

JAMES McMANUS, Telephone, 50 W. 30th St., NEW YORK
Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND.
ORCHIDS A SPECIALTY.
HEADQUARTERS FOR NOVELTIES

W. GHORMLEY,

WHOLESALE COMMISSION,

57 W. 28th Street, NEW YORK.

The largest commission house in America

for Roses, Violets and all other varieties of Cut Flowers.

My large shipping trade enables me to command the highest prices.

Telephone 2200 Madison Square,
which ring, connects you with all our TELEPHONES.

Mention the Review when you write.

THE PIONEER HOUSE
Open every day at 6 a. m.

J. K. ALLEN

WHOLESALE FLORIST,
106 W. 28th Street, New York City
We ship all over the United States. Consignments realize with
us the best market prices. Tel. 167 Madison Sq.
Mention the Review when you write.

WALTER F. SHERIDAN,
Wholesale Commission Dealer in
CUT FLOWERS
39 West 28th St., NEW YORK.
(Established 1882)

Receiving Extra Quality American Beauties
and all other varieties of Roses.
Telephone 902 Madison Square. Carnations.
Mention the Review when you write.

BONNOT BROS.

WHOLESALE FLORISTS,
55 and 57 W. 28th St., NEW YORK.
Cut Flower Exchange.

OPEN ALL DAY!
AN UNEQUALLED OUTLET FOR CONSIGNED FLOWERS.
Telephone No. 2438 Madison Sq.
Mention the Review when you write.

JAMES A. HAMMOND,

Wholesale Commission Florist,
113 W. 30th St., NEW YORK CITY.
Tel. 854 Madison Sq.

Consignments receive conscientious and prompt
attention. Highest market price guaranteed.
The finest stock in the market always on hand.
Mention the Review when you write.

B. S. SLINN, Jr.

WHOLESALE FLORIST.
New York Cut Flower Co., NEW YORK.
55 and 57 West 26th Street,
Telephone 2239 Madison Sq.

Violets and Swainsona our Specialties.
Shipping orders receive prompt attention.

Always mention the Florists' Review when
writing advertisers.

Wholesale Cut Flower Prices.

New York, Sept. 9.

	Per 100
Beauties, Specials	\$10.00 to \$20.00
Extra	5.00 to 10.00
No. 1	3.00 to 5.00
Shorts	1.00 to 3.00
Brides and Maids, Specials	3.00 to 5.00
Extra	2.00 to 3.00
No. 1 .....	.50 to 1.50
No. 2 .....	.25 to .50
Kaiserin	1.00 to 5.00
Liberty	2.00 to 5.00
Meteor	1.00 to 4.00
Cattleyas	50.00 to 75.00
Dendrobium formosum	20.00 to 25.00
Carnations, Common .....	.50 to .75
Selects	1.00 to 2.00
Adiantum cuneatum .....	.25 to .50
Croweana .....	.50 to 1.00
Asparagus plumosus, Strings	35.00 to 50.00
Asters, per bunch	1.00 to 5.00
Selects	1.00 to 2.00
Gladiolus .....	.50 to .75
Lilium Harrisii	5.00 to 10.00
Lily of the Valley	1.00 to 2.50
Smilax	5.00 to 10.00
Sweet Peas, per bunch	1.00 to 5.00
Violets, ordinary .....	.35 to .50

There was a little breeze during the week
that stirred the placid sea of market conditions,
but it soon subsided, and everything became as
quiet as before. Perhaps it is the calm before
the storm of business that must soon assert it-
self. Meantime prices remain inactive, and are
likely to until October.

We like your paper very much.—HOFF-
MEISTER FLORAL Co., Cincinnati.

GEO. SALTFOORD,
Author of "HOW TO MAKE MONEY GROWING VIOLETS."
WHOLESALE FLORIST,

46 West 29th Street, NEW YORK CITY.
Telephone No. 3393 Madison Sq.
CONSIGNMENTS OF ALL FIRST-CLASS FLOWERS SOLICITED.
VIOLETS our specialty.

Mention the Review when you write.

GALAX.

Brilliant Bronze, at 75c per 1000 in 2000 lots or
more.

PERNS—Fancy, \$1.25 per 1000; Dagger, \$1.00
per 1000. Green Sheet Moss—\$2.50 per bbl.
sack. Sphagnum Moss—\$1.75 per large bale.

All kinds FLORISTS' SUPPLIES.

L. J. KRESHOVER, 110-112 W. 27th St., New York
TEL. 597 MADISON SQUARE.
Mention the Review when you write.

JOHN YOUNG

Special American Beauties,
Surpassing Carnations,
Lily of the Valley, Orchids
and all seasonable flowers.
51 W. 28th St., NEW YORK.
Tel. 1905 Madison Sq.
Mention the Review when you write.

Young & Nugent

42 West 28th Street
New York

Send for Quotations
Mention the Review when you write.

H. C. RIEDEL.

F. D. SPICER.

Riedel & Spicer

Wholesale Florists,
Strictly Wholesale, 34 W. 29th Street,
Tel. 3039 Madison Sq. New York City.

The New York Cut Flower Co.

55 and 57 West 26th Street,
WHOLESALE FLORISTS.
Daily Reports. Weekly Payments.
Tel. 2239 Madison Sq. J. A. MILLANG,
2034 Madison Sq. Manager.

Mention the Review when you write.

Alfred H. Langjahr

Wholesale Commission Florist,
19 Boorum Place, BROOKLYN, N. Y.
Telephone 939 Main.
Mention Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers.

TOP GRADE for SHIPPING

AMERICAN BEAUTY, BRIDESMAID, BRIDE,
LIBERTY, METEOR, LILY OF THE VALLEY, CARNATIONS.

JOHN I. RAYNOR, 49 WEST 28TH STREET, NEW YORK.
Telephone, 1998 Madison Square.

MICHIGAN CUT FLOWER EXCHANGE. WM. DILGER, Manager.
WHOLESALE FLORISTS AND CUT FLOWER COMMISSION.
Full line of FLOWERS' SUPPLIES and SUNDRIES.

COMMON FERNS, \$1.00 per 1000.
GALAX, Bronze or Green, 1.25 " 26 Miami Ave., Detroit, Mich.

ALEX. J. GUTTMAN,
Wholesale Florist.
All reasonable Flowers and Novelties at proper prices can be had at
52 West 29th Street, New York.
Telephone 1738 Madison.
Mention Review when you write.

ESTABLISHED 1872.
John J. Perkins
WHOLESALE and COMMISSION FLORIST,
115 West 30th St., NEW YORK.
Telephone No. 956 Madison Sq.
WANTED a few more reliable growers of Carnations and Violets. Only first-class stock handled.
BRANCH STORE, 48 West 30th St., New York. R. W. PERKINS, Manager.
Consignments Solicited. Quick returns to Shippers. Highest Market Prices Guaranteed.
Mention Review when you write.

WM. SAMPSON,
Coogan Building, WHOLESALE FLORIST.
26th St. and 6th Ave.
With the New York Cut Flower Co.
Tel. No. 2239 Madison. Consignments Solicited.
Specialties, CARNATIONS and MIGNONETTE.
Mention Review when you write.

N. LECAKES & CO.
45 West 29th St., NEW YORK
Tel. No. 1214 Madison Sq.
and
53 W. 28th St. (Basement)
Tel. 1797 Madison Sq.
Stands at Cut Flower Exchange Coogan Bldg., W. 26th St., and 34th Street Cut Flower Market.
SPECIALTIES
GALAX LEAVES, FERNS and LEUCOTHOE SPRAYS.
Mention Review when you write.

Wholesale Cut Flower Prices.

Detroit, Sept. 9.

	Per 100
Beauties, Specials.....	\$20.00
" Extra.....	15.00
" No. 1.....	10.00
" Shorts.....	5.00
Brides and Maids, Specials.....	6.00
" Extra.....	5.00
" " No. 1.....	4.00
" " No. 2.....	3.00
Cusin.....	3.00 to 5.00
Kaiserin.....	3.00 to 5.00
Meteors.....	3.00 to 5.00
Cattleyas.....	50.00
Carnations, Common.....	1.00 to 2.00
Adiantum Cuneatum.....	1.00
Asparagus plumosus, Strings.....	.60 to .40
" Sprenger, Sprays.....	1.00 to 3.00
Asters.....	.50 to 2.00
Gladioli.....	2.00 to 4.00
Lilium Longiflorum.....	12.50 to 15.00
Lily of the Valley.....	4.00 to 5.00
Smilax.....	12.50 to 15.00
Galax.....	.15
Common Ferns.....	.15

Boston, Sept. 9.

	Per 100
Beauties, Specials.....	\$25.00
" Extra.....	\$12.00 to 15.00
" No. 1.....	8.00 to 10.00
" Shorts.....	2.00 to 6.00
Brides and Bridesmaids, Specials.....	6.00 to 8.00
" Extra.....	3.00 to 4.00
" " No. 1.....	2.00
" " No. 2.....	1.00
Carnot.....	2.00 to 10.00
Kaiserin.....	2.00 to 12.00
Liberty.....	1.00 to 10.00
Carnations, Common.....	1.50
" Selects.....	2.00 to 3.60
" Fair Maid.....	2.00 to 6.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, Strings.....	50.00
" Sprays.....	1.00 to 2.00
" Sprenger, Sprays.....	1.00 to 3.00
Asters.....	.20 to 1.50
Callas.....	6.00 to 8.00
Gladioli.....	2.00 to 4.00
Lilium Auratum.....	6.00 to 8.00
Longiflorum.....	12.00
Lily of the Valley.....	2.00 to 4.00
Mignonette, ordinary.....	1.00
Smilax.....	10.00 to 12.00
Sweet Peas.....	.10 to .20
Tuberose.....	4.00
Galax.....	.15
Common Ferns.....	.10

FOR gracious sake stop the chrysanthemum advertisement. I am having to return money for plants ordered every day. The first insertion cleaned out the entire lot, and we had a pretty good bunch of them.—B. P. CRITCHELL, Cincinnati, O.

FRANK H. TRAENDLY. CHARLES SCHENCK.
TRAENDLY & SCHENCK,
Wholesale Florists
AND CUT FLOWER EXCHANGE
38 W. 28th St., NEW YORK
Telephones 736 and 799 Madison Square. CONSIGNMENTS SOLICITED.
Mention Review when you write.

Hicks & Crawbuck
Wholesale Florists,
108 Livingston Street, BROOKLYN, N. Y.
Tel. 3660-3661 Main.
Mention Review when you write.

PITTSBURG CUT FLOWER CO. Ltd.
WHOLESALE FLORISTS, Pittsburgh, Pa.
Mention The Review when you write.

We are head-quarters for **HARDY CUT FERNS!**
Fancy or Dagger, 50c per 1000. Contracts made to supply the year around. Use our **Laurel Festooning.** It's the best decorative material to be found, we make it fresh daily. 4c, 5c and 6c per yd. Bargains in Galax, A No. 1 quality, Bronze or Green, 75c per 1000 in 10,000 lots. Mosses, &c.
Send us your wants and be well satisfied.

Crawbuck Fern Co.
MILLINGTON, MASS.
Tel. Office, New Salem.
Long distance telephone connections.
Mention Review when you write.

PLEASE discontinue my advertisement of field-grown carnations as I am getting more orders than I can fill.—HENRY BAER, Peoria, Ill.

National Florists' Board of Trade.

NEW MANAGEMENT.
PROMPT COLLECTIONS
AND PROMPT RETURNS.

Full information concerning all claims entrusted to us. Plenty of time to attend carefully to your interests.
Satisfaction guaranteed. No delays. No neglect. No waiting. NEW OFFICES, 56 FINE STREET, NEW YORK CITY.
Telephone 4673 John Street. Rooms 601, 602, 603.
HARRIS H. HAYDEN, Pres. WM. A. MOORE, Vice-Pres. JNO. E. WALKER, Sec. and Treas.

Wholesale Cut Flower Prices.

Chicago, Sept. 9.

	Per doz.
Beauties 24-inch stems.....	\$2.00 to \$2.50
" 20 "	1.50
" 15 "	1.25
" 12 "	1.00
" Shorts .....	.75
Per 100.	
Bridesmaids, Specials.....	\$4.00 to \$6.00
" Firsts	2.00 to 3.00
" Seconds	1.00
Brides, Specials.....	4.00 to 6.00
" Firsts	2.00 to 3.00
" Seconds	1.00
Kaiserin	4.00 to 5.00
Liberty, Specials	8.00 to 10.00
" Firsts	6.00 to 8.00
" Seconds	3.00 to 5.00
Golden Gate, Firsts	4.00 to 6.00
" Seconds	2.00 to 3.00
Meteor, Firsts	4.00 to 6.00
" Seconds	2.00 to 3.00
Mme. Chateauf, Firsts	6.00 to 8.00
" Seconds	3.00 to 5.00
Ivory, Firsts	4.00 to 6.00
" Seconds	2.00 to 3.00
Perles, Firsts	4.00 to 5.00
" Seconds	2.00 to 3.00
Carnations, Fancy.....	2.00
" Commons.....	1.00 to 1.50
Gladioli.....	2.00 to 5.00
Asters.....	40 to 2.00
Dahlias.....	1.00 to 4.00
Auratum Lilies.....	\$1.00 to \$1.50 doz
Valley	8.00 to 4.00
Tuberose	3.00 to 5.00
Adiantum cuneatum.....	.75 to 1.00
Asparagus plumosus, Strings.....	25.00 to 50.00
" Sprays.....	2.00 to 3.00
Asparagus Sprengeri, Sprays.....	3.00 to 6.00
Smilax	\$.125 per doz.
Common ferns, per 1000.....	\$1.25
Galax Leaves, \$1.50 per 1000	

Baltimore, Sept. 9.

	Per 100
Beauties, Specials.....	\$3.00 to \$5.00
Brides and Maids, best offering....	2.00 to 4.00
Golden Gate.....	2.00 to 4.00
Kaiserin	2.00 to 4.00
Perle	2.00 to 3.00
Cochet	1.50 to 2.00
Carnations, Commons.....	.50
" Selects, white.....	1.00
Asparagus plumosus, Sprays.....	1.50 to 2.00
" Sprengeri, Sprays.....	1.50 to 2.00
Asters.....	.50 to 1.00
Gladioli.....	2.00 to 4.00

IN EVERYONE'S HANDS.

Please change my advertisement as per copy enclosed. Am very well satisfied with the results from the Classified advertisements. Can't keep up with orders, which are coming in from Canada to California, a very good evidence that your paper is in the hands of every florist.

A. C. OELSCHIG.

Savannah, Ga.

THE BEST.

I received the Convention Number of your paper and please accept thanks for same; it is a complete work, the best I have seen, and makes me think I cannot do business without the REVIEW. Enclosed find \$1 for a year's subscription.—J. M. LOWN, Rhinebeck, N. Y.

We cannot do without our REVIEW, the best paper of its kind going.—W. P. LYON, Niagara Falls, Ont.

"OUR advs. in your paper this year have certainly been most satisfactory in results."—GRAND RAPIDS VIOLET Co., Grand Rapids, Mich.

ALBERT M. HERR

LANCASTER, PA.

Carnations, Geraniums,
Smilax, Asparagus.

Correspondence Solicited.

Mention Review when you write.

E. H. HUNT

THE "OLD RELIABLE" FOR

**Wholesale
Cut Flowers**

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

Mention Review when you write.

Bassett & Washburn

76 Wabash Ave., CHICAGO, ILL.

WHOLESALE GROWERS OF
AND DEALERS IN CUT FLOWERS

Greenhouses at Hinsdale, Ill.

Mention Review when you write.

**A. L. RANDALL,
Wholesale Florist**Don't forget we are at
19 and 21 RANDOLPH ST., CHICAGO.

Write for special quotations on large orders.

Mention Review when you write.

J. A. BUDLONG

37-39 Randolph Street CHICAGO.

Roses and
Carnations
A Specialty.....WHOLESALE
GROWER OF**CUT FLOWERS****WIETOR BROS.**Wholesale
Growers of..**Cut Flowers**All telegraph and telephone orders
given prompt attention.

51 Wabash Avenue, CHICAGO.

Mention the Review when you write.

WEILAND-AND-RISCHCHICAGO'S RELIABLE WHOLESALE
GROWERS AND SHIPPERS OF...

CUT FLOWERS.

59 Wabash Avenue, CHICAGO.

SEND FOR WEEKLY PRICE LIST.

WHOLESALE FLORISTS**Poehlmann Bros.**Wholesale
Growers of
and Dealers in**Cut Flowers.**All telegraph and telephone orders given prompt
attention. Greenhouses: Morton Grove, Ill.

25-27 Randolph Street, CHICAGO, ILL.

Mention Review when you write.

PETER REINBERG,

Grower and Wholesaler of Cut Flowers

800,000 SQUARE FEET OF GLASS.
Headquarters for American Beauty.

51 Wabash Ave. CHICAGO, ILL.

JOHN MUNO,WHOLESALE
GROWER OF Cut Flowers,

51 Wabash Avenue, - - CHICAGO.

GREENHOUSES, ROGERS PARK, ILL.
Telephone Central 3598.**SINNER BROS.**Wholesale Growers and Shippers of
CUT FLOWERS

58-60 WABASH AVE., CHICAGO, ILL.

With the Flower Telephone—
Growers' Co. Central 3067.All telephone and telegraph orders
given prompt attention.

Mention Review when you write.

FRANK GARLAND,Wholesale
Grower of Cut Flowers,Special attention
given to Hardy Out FERNs.

55-57 Wabash Avenue, CHICAGO, ILL.

Telephone Central 3284.

Mention Review when you write.

GEORGE REINBERG,

51 Wabash Ave., Chicago.

WHOLESALE DEALER IN AND
.....GROWER OF CUT FLOWERSTwo Daily Shipments from my greenhouses.
Fresh Stock always ready for orders.

Write, Wire or Phone. Quick Service Given.

Mention Review when you write.

Lily of the Valley

H. N. BRUNS,

1409 W. Madison St., CHICAGO.

Mention Review when you write.

Lily of the Valley

of good quality always on hand.

AUGUST JURGENS,

134 to 144 Herndon St., CHICAGO.

Mention Review when you write.

BENTHEY & CO.

35 Randolph Street, CHICAGO.

F. F. BENTHEY, Manager.

Wholesale and

Consignments Solicited.

Commission

FLORISTS

Mention Review when you write.

The Philadelphia Wholesale Flower Market.

Consignments of Double and Single Violets solicited.
We need them regularly and can make good returns.

—FINE—
BEAUTIES

OPEN FROM 7:00 A. M. TO 5:00 P. M.
SATURDAYS CLOSE AT 1:00 P. M.

1228 CHERRY STREET, PHILADELPHIA.

Wholesale Cut Flower Prices.

Cincinnati, Sept. 9.

	Per 100
Beauties, Extra.....	\$15.00 to \$20.00
No. 1.....	8.00 to 12.50
Shorts.....	4.00 to 6.00
Brides and Maids, Extra.....	5.00
No. 1.....	3.00 to 4.00
No. 2.....	2.00
Golden Gates.....	2.00 to 4.00
Kaiserin.....	2.00 to 4.00
Liberty.....	2.00 to 4.00
Meteor.....	2.00 to 4.00
Perle.....	2.00 to 4.00
Carnations, Commons.....	.50 to 1.00
Selects.....	1.00 to 1.50
Fancies.....	2.00 to 2.50
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, Strings.....	35.00 to 50.00
Sprenger, Sprays.....	2.00 to 4.00
Asters.....	.50 to 2.00
Dahlia.....	2.00 to 8.00
Gladiolus.....	2.00 to 3.00
Lily of the Valley.....	2.00 to 4.00
Smilax.....	12.50 to 15.00
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Pittsburg, Sept. 9.

	Per doz.
Beauties, Specials.....	\$20.00 to \$30.00
Extra.....	10.00 to 15.00
No. 1.....	5.00 to 8.00
Shorts.....	2.00 to 4.00
Brides and Maids, Specials.....	6.00
Extra.....	5.00
No. 1.....	3.00 to 4.00
Carnot.....	2.00 to 8.00
Kaiserin.....	3.00 to 10.00
Liberty.....	3.00 to 6.00
Meteor.....	3.00 to 6.00
Carnations, Commons.....	.50
Selects.....	1.00
Adiantum Cuneatum.....	1.00 to 1.25
Asparagus plumosus, Strings.....	25.00 to 50.00
Sprenger, Sprays.....	2.00 to 4.00
Sprenger, Sprays.....	2.00 to 3.00
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Golden Gate.....	4.00 to 5.00
Kaiserin.....	3.00 to 4.00
Liberty.....	3.00 to 4.00
Meteor.....	3.00 to 4.00
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Asters.....	.50 to 1.50
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Aspidistras. Cheaper than they can be imported. 5 and 6 leaves, 5-in. pots, \$2.25 doz., \$18.00 100.

T. N. Yates & Co., Mt. Airy, Phila., Pa.

Aspidistra lurida, 4-in., \$25.00 100.

A. G. Fehr, Belleville, Ill.

AZALEAS.

Azalea indica for Xmas blooming, fine plants, pot-grown, from 40c to 75c each. Also for Easter blooming, 10 to 20 varieties, from 40c to \$1.50 each.

Godfrey Aschmann, 1012 Ontario St., Phila.

BAY TREES.

Bay Trees. Have just received a fine lot of standards and pyramids.

F. W. O. Schmitz, Prince Bay, N. Y.

Among our specialties, bay trees, boxwood, palms, evergreens, etc.

BOBBINK & ATKINS, Rutherford, N. J.

BEGONIAS.

Lorraine begonias. I have good, healthy plants from 2½-in. pots, taken from sand end of July and early August. Will make good plants in 4-in. and 5-in. pots for Christmas.

"The Size That Sells." Largest, \$12.00; smaller, \$10.00 per 100. Would exchange for Boston Ferns from 4-in. pots. Cash with order.

John Doughty, Kimberly Av., New Haven, Conn.

Rex begonia, fine varieties in perfect condition, 3½ and 4-in., 6c. B. argentea, 4-in. pots, 4c. Cash please.

R. G. Hanford, Norwalk, Conn.

Rex begonias, a number of the best varieties, 2-in., \$4.00 100. Begonia aurea manicata, 2-in., \$4.00 100.

N. O. CASWELL, Delavan, Ill.

Begonia Pres. Carnot, 4-in. \$1.00 doz. Vernon, 4-in., in bloom, 75c doz.

Godfrey Aschmann, 1012 Ontario St., Phila.

Begonias, in assortment, 2½-in., \$2.50 100; 3-in., \$4.00 100. Fine.

Hammerschmidt & Clark, Medina, O.

Mammoth begonias, in flower, 4-in., \$8.00 100.

S. Whitton, 15-17 Gray Ave., Utica, N. Y.

STAR BEGONIAS. Good plants, \$4.00 per 100. Cash. C. W. Baker, Springfield, Ohio.

Begonia de Lorraine, 2½-in., \$15.00 100; \$140.00 1000. Julius Roehrs, Rutherford, N. J.

BERRIED PLANTS.

Solanum ciliatum or Adam's apple, large, bright red berries, 3-in. pots, 5c; 4-in. pots, 10c.

Solanum annuum or celestial peppers, 4-in. pots, 10c.

Solanum capsicastrum or Jerusalem cherry, large berry, var., 3-in. pots, 5c. Plants are strong and clean and ready to shift. Satisfaction guaranteed. Cash.

M. F. La Roche, Collingdale, Pa.

Jerusalem cherry trees, field-grown, dwarf and bushy, well set with berries, \$8.00 100. Cash. Converse Greenhouses, Webster, Mass.

Christmas Peppers, fine plants out of 2½-in., \$2.00 100; \$15.00 1000.

J. C. Schmidt, Bristol, Pa.

Celestial peppers, 5-in., \$1.50 doz., \$12.00 100. Oechsin Bros., 1688 W. Madison St., Chicago.

BOUVARDIAS.

Bouvardias, pink and white, strong plants from field, \$8.00 100. C. E. Meehan, Slocum and Musgrove, Germantown, Pa.

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Among our specialties, boxwood, bay trees, palms, evergreens, etc.

BOBBINK & ATKINS, Rutherford, N. J.

BULBS.

NOW READY. White Roman Hyacinths and P. W. G. Narcissus. 100. 1000.

Hyacinths, 12-15 cms. \$2.90 \$26.00

Narcissus, 13 cms. and over.....1.00 9.00

Freelias, Bermuda-grown, fine bulbs, 10c doz., 60c 100, \$5.00 1000.

Selected Dutch bulbs, ready for delivery. Get our prices.

JOHNSON & STOKES, 217-219 Market St., Philadelphia, Pa.

WE HAVE NOW—L. Candidum, Harrisii and Longiflorum, Callas, Freelias, Romanas, Paper White Narcissus, etc.

EXPECT THIS WEEK—Dutch Hyacinths, Tulips, Narcissus, Crocus, etc.

W. W. BARNARD & CO., 161 Kinzie St., Chicago.

We have a large stock of extra fine strong bulbs of LILIAM HARRISII, DUTCH HYACINTHS, NARCISSI, etc. Send for our price list before ordering.

J. M. THORBURN & CO., 36 Cortlandt St., N. Y.

LILIAM HARRISII. We offer a small lot which were packed for export at SPECIAL RATES as long as stock lasts. All sizes. Write for prices.

H. H. BERGER & CO., 47 Barclay St., N. Y.

Longiflorum, Harrisii, freelias, oxalis, callas now ready. Send for our annual trade list bulbs.

W. W. RAWSON & CO., Boston, Mass.

Bulbs, Plants, Seeds, Hyacinths, Tulips, Narcissus, Lilies, etc. Special prices on application. JAMES VICK'S SONS, Rochester, N. Y.

Calla bulbs, from 1 to 3-inch. State size and number wanted. Will send sample and price.

Sunset Nursery, Berkeley, Cal.

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Prices on all fall and winter bulbs, plants and roots cheerfully given by
F. W. O. Schmitz, Prince Bay, N. Y.

Calla and belladonna bulbs for sale.
California Nursery Co., Niles, Cal.

CARNATIONS.

FIELD-GROWN CARNATIONS.

Fine, healthy plants, guaranteed to be satisfactory.

	Per 100.	Per 1,000
Flora Hill	\$5.00	\$45.00
White Cloud	5.00	40.00
Norway	5.00	40.00
Queen Louise	5.00	45.00
Hier Majesty	7.00	60.00
Prosperity	7.00	60.00
Guardian Angel (Sport)	4.00	35.00
Lawson	6.00	55.00
Marquis	4.00	35.00
Mrs. Higinbotham	5.00	45.00
Mrs. Potter Palmer	5.00	45.00
America	4.00	30.00
Crane	5.00	.....
Estelle	5.00	.....
Chicago (Red Bradt)	5.00	.....

WISTOR BROS., 51 Wabash Ave., Chicago, Ill.

Field-grown carnations, strong and in fine condition. We have no stem-rot.

condition.	we have no	stem-rot.	100.		
Nelson	\$10.00	Eldorado	.....	\$6.00
Penn	10.00	White Cloud	.....	6.00
Lawson	8.00	Hill	.....	6.00
Prosperity	8.00	Crocker	.....	5.00
Bradt	8.00	Hoosier Maid	.....	5.00
Buttercup	8.00	Goodenough	.....	5.00
Lorna	8.00	Lippincott	.....	5.00
Orlolo	8.00	Sunbeam	.....	5.00
Mitting	8.00	Scott	.....	5.00
Mermaid	8.00	Victor	.....	5.00
Q. Louise	6.00	Joost	.....	5.00
Roosevelt	6.00	Irene	.....	5.00
Jubilee	6.00	Norway	.....	5.00
M'n'g Glory	6.00	Portia	.....	5.00
Floriana	6.00	Daybreak	.....	5.00

J. L. DILLON, Bloomsburg, Pa.

FIELD-GROWN CARNATIONS.

It has been a good growing season and plants are in fine shape, strong and bushy.

	100.	1000.		100.	1000.
G. Angel	\$4.00	\$35.00	Chicago	\$5.00	\$40.00
Joost	3.00	25.00	Hill	5.00	40.00
Lord	3.00	25.00	Dorothy	6.00	50.00
Triumph	4.00	35.00	Nelson	6.00	50.00
Crane	5.00	40.00	Prosperity	8.00	75.00
Palmer	4.00	35.00	Norway	5.00	40.00
Bradt	5.00	40.00	W. Cloud	5.00	40.00
Gaety	5.00	.....		

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded. Cannot accept orders for less than 50 of a variety.

P. REINBERG, 51 Wabash Ave., Chicago.

Field-grown carnation plants, strong and healthy.

	100.	1000.		100.	1000.
Hill	\$5.00	\$40.00	G. Angel	\$4.00	\$35.00
W. Cloud	5.00	40.00	Joost	3.00	25.00
Q. Louise	5.00	40.00	Marquis	3.00	25.00
Norway	4.00	35.00	Lord	3.00	25.00
Palmer	5.00	40.00	Triumph	4.00	35.00
Higinbotham	5.00	40.00			

All plants guaranteed A No. 1. If not satisfactory when received, return at once and get your money back.

GEO. REINBERG, 51 Wabash Ave., Chicago.

FIELD-GROWN CARNATIONS NOW READY.

2500 Portia.	150 Norway.
1100 Joost.	400 Marquis.
175 Roosevelt.	650 Queen Louise.
125 Dorothy.	450 Scott.

\$5.00 per 100; \$45.00 per 1000.

Also about 3000 small plants of Genevieve Lord, Flora Hill and Morning Glory, \$3.50 per 100; \$30.00 per 1000. Cash with order from unknown parties.

WM. F. KASTING, Buffalo, N. Y.

Field-grown carnations.	Per 100:		Per 100:
1000 Wolcott	\$7.00	300 Roosevelt	\$7.00
700 Dorothy	7.00	500 Maceo	7.00
700 Gaety	7.00	250 Norway	7.00
1500 Joost	7.00	500 Alba	5.00
1500 Glacier	7.00	200 Apollo	5.00
400 Triumph	7.00	500 M. Glory	\$5.00 7.00
500 Nelson	7.00		

Lawson, 3rd size, in pots, \$3.50. Cash.

W. J. & M. S. Vesey, Fort Wayne, Ind.

Field-grown carnation plants. Strong, healthy and free from disease.

	100.	1000.		100.	1000.
Norway	\$5.00	\$45.00	Nelson	\$6.00	\$55.00
Glacier	5.00	45.00	Wolcott	6.00	55.00
Alba	5.00	45.00	Estelle	6.00	55.00
Joost	4.50	40.00			

A. C. CANFIELD, Springfield, Ill.

The best are the cheapest in the end.		
Enchantress	\$120.00	1000 \$14.00 100
Gov. Wolcott	8.00	100
Lillian Pond	10.00	100
Marquis	5.00	100
Joost	5.00	100
Norway	4.00	100

Cash. C. L. HOWE, Dover, N. H.

WESTERN GROWERS SAVE TIME and express on carnation plants. 2000 Wm. Scott and 2000 Alaska, \$2.50 100; 2000 Mary Wood, \$3.00 100. Cash from unknown parties. WM. L. ROCK FLOWER CO., Kansas City, Mo.

Carnations. Field-grown, splendid plants, \$5.00 100.
520 Morning Glory. 250 Marquis.
170 Joost. 80 Genevieve Lord.
40 Gomez.
CENTRAL MICHIGAN NURSERY, Kalamazoo, Mich.

Field-grown carnation plants, clean, strong and bushy.

	100.	1000.		100.	1000.
America	\$4.00	\$35.00	Joost	\$3.00	\$25.00
Gomez	4.00	35.00	Scott	3.00	25.00

A. B. EVERETT, Berteau and No. Oakley Aves., Chicago.

Carnation plants, field-grown, strong, healthy stock. Prosperity, \$7.00 100. Mrs. G. Bradt, \$7.00 100; \$60.00 1000. Joost, \$6.00 100; \$50.00 1000. Melba, \$5.00 100; \$45.00 1000. MacRichmond, \$5.00 100; \$45.00 1000.

I. H. MOSS, Govanstown, Baltimore, Md.

Field grown carnations, President McKinley, (one of the best introductions of 1903), Manley, Apollo, Potter Palmer, Morning Glory, Cressbrook, Mrs. E. A. Nelson, Joost, Enquirer, Ethel Crocker, Mrs. Bradt. Write for prices.
E. T. GRAVE, Richmond, Ind.

Field-grown carnation plants. Enchantress and Adonis, \$20.00 per 100; Lawson, extra strong plants, \$8.00; Hill and Queen Louise, \$5.00 100, \$40.00 1000; Lord, Ine, Joost and Sport, \$3.00 100, \$25.00 1000.

Mrs. A. M. Schafer, 229 Balmoral Ave., Chicago.

Strong, healthy field-grown carnations. Elm City, Joost, Prosperity and Admiral Cervera, first size, \$5.00 100. McGowan, first size \$3.00; second, \$2.00 100. Lord, second size, \$3.00 100.

F. H. KIMBERLY, New Haven, Conn.

Carnations extra large size, clean and healthy. Prosperity, \$8.00 100; Ethel Crocker, Gen. Gomez, \$5.00 100; Gen. Maceo, second size, \$3.00 per 100.

F. Schnackenberg, 382 Clarkson St., Flatbush, L. I., N. Y.

Fine, field-grown carnations.

	100.	1000.		100.	1000.
Lawson	\$6.00	White Cloud	\$5.00		
Triumph	5.00	Flora Hill	5.00		
Crane	5.00	Glacier	5.00		

Mrs. E. Kuntz, Frankfort, Ind.

About 2000 field-grown carnations, good, healthy plants of following varieties: Estelle, Crane, Lawson, \$6.00 per 100; Morning Glory, Flora Hill, White Cloud, Ethel Crocker, \$5.00 per 100.

Crown Point Floral Co., Crown Point, Ind.

Fine field-grown carnation plants. This is very nice, healthy stock. Flora Hill, Queen Louise, Marquis, Crane, Morning Glory, 1st size, \$4.00; 2nd size, \$3.00, Joost, McGowan, \$3.00.

SUNNYSIDE GREENHOUSES, Owosso, Mich.

Field-grown carnations. Fine plants of Prosperity, 8c each; Lawson, Gov. Roosevelt, 6c each; Crane, White Cloud, Hill, Marquis, 5c each; Daybreak, Crocker, 4c each.

FRANK BERRY, Stillwater, Minn.

Carnations. 500 Mrs. Joost, medium-sized plants, fine stock, that lift well, and are absolutely free from neck rot, \$5.00 100. 100 Flora Hill, nice, bushy plants, \$5.00.

R. G. Hanford, Norwalk, Conn.

Field-grown plants of our new cerise colored carnation MRS. SCHULTHEIS, \$6.00 per 100; \$50.00 per 1000. This price includes packing. Cash with order.

ANTON SCHULTHEIS, College Pt., L. I., N. Y.

2000 carnations of the following varieties: Joost, Fair Maid, Eleanor, Ames, Norway, Maceo and Marquis. Very fine plants at \$5.00 per 100. Cash.

Wilfrid Wheeler, Box 670, Concord, Mass.

Carnations. Good, strong, healthy plants of Crane, Joost, Glacier, Morning Glory, Marquis, Queen Louise, White Cloud and Armazindy, \$4.00 per 100.

G. VAN BOCHOVE & BRO., Kalamazoo, Mich.

Field-grown carnations, strong and healthy.

	100.	1000.		100.	1000.
2000 Hill	\$6.00	2000 White Cloud	\$6.00		
4000 Joost	4.00	1000 Lawson	6.00		

LEO NIESSEN, 1217 Arch St., Philadelphia.

Field-grown carnations; clean, healthy stock.
100 1000 100 1000
W. Cloud, \$5.00 \$40.00 Scott, \$3.50 \$30.00
Evanston, 4.00 35.00 Portia, 3.50 30.00
John Muno, 51 Wabash Ave., Chicago.

New carnation LOUISE NAUMANN, a most brilliant dark pink, fringed variety. Cuttings, \$1.25 doz.; \$8.00 100; \$70.00 1000. January delivery.

G. M. NAUMANN, Doan St., Cleveland, O.

Carnations, fine, large field plants. Free from all diseases. Prosperity, \$6.00 100; Flora Hill, and Ethel Crocker, \$5.00 100. Cash with order.

R. J. Wilson, Brunswick Rd., Troy, N. Y.

SURPLUS CARNATIONS. Clean, healthy plants of Norway and Queen Louise, \$5.00 100; \$40.00 1000. This stock will please you.

W. E. HALL, Clyde, O.

Strong, healthy field-grown carnations, Joost, Mrs. Ine, Daybreak, Koohinor, Scott, \$3.00 per 100.

W. F. Duntelman, Bensenville, Ill.

Field-grown carnation plants in fine shape, strong and bushy. For varieties and prices see displayed adv in this issue.

John Brod, Niles Center, Ill.

Carnations Joost, Triumph, Scott, \$5.00 100. Higinbotham, Cressbrook, \$6.00 100. Armazindy, Bon Homme, \$5.00 100.

W. H. Gullett & Sons, Lincoln, Ill.

Carnations Hill, Freedom, Gomez, Marquis, Bon Ton, Scott, Bradt, Gov. Roosevelt, Joost and Daybreak, \$5.00 100. Cash.

Chas. H. Green, Spencer, Mass.

1200 Servia, a good white; 800 Mrs. Joost. Price, \$4.00 per 100; \$35.00 per 1000. Good plants and all right.

A. Batley & Son, Maynard, Mass.

Carnations, strong, healthy, field-grown. Norway, \$4.00 per 100; \$40.00 per 1000. Satisfaction guaranteed.

A. B. Davis & Son, Purcellville, Va.

Joost, Crocker and McGowan carnations, fine, large plants, \$3.00 per 100. No other varieties for sale.

J. Bennett, Blue Point, L. I., N. Y.

Field-grown carnations from high land and new soil, fine, healthy plants. Send for catalogue.

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1,000,000 unrooted carnations now ready. For varieties and prices see displayed adv. in this issue.

CALIFORNIA CARNATION CO., Loomis, Cal.

Field-grown plants of Mrs. Joost, Ethel Crocker, Admiral Cervera, Glacier, G. H. Crane, \$4.00 100. H. F. Littlefield, Worcester, Mass.

Carnations, field-grown, strong, healthy. Lawson, \$5.00 100. Marquis and Lord, \$3.00 100.

Wm. Pfund, Oak Park, Ill.

Fine stocky plants of Lawson, Prosperity, Queen Louise and Bradt, \$6.00 per 100.

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JOOST, field-grown, fine heavy plants, \$5.00 per 100; \$40.00 per 1000. Cash, please.

BURNELL & TOTMAN, Randolph, Vt.

Field-grown carnations. 700 Evanston, 250 Crane and 200 Hill, 3c. Good stock.

KRING BROS, Fairbury, Ill.

A surplus of 2,000 fine field-grown plants in 7 varieties. Prices right. Write me.

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Carnations, field-grown, 2,500 Lawson, 2,000 Flora Hill, \$5.00 100; \$40.00 1,000.

GEO. BROADRUP, Dayton, Ohio.

20,000 field-grown carnation plants, mostly white. Write for prices.

LLEWELLYN, Florist, Olean, N. Y.

Field-grown Crane and Joost, \$4.00 100. Healthy; no stem-rot.

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Ethel Crocker, field-grown carnation plants, \$5.00 per 100. Cash.

Rockville Greenhouses, Rockville Center, N. Y.

First-class JOOST, FOSTER, \$3.75 a 100. HILL, \$4.00 a 100.

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250 Ethel Crocker, field-grown, \$4.00 100. Cash.

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Carnations. Write for our list and prices.

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Chrysanthemums, strong, bushy plants, 6-in., \$15.00 100.

Bentzen Floral Co., 4025 Marcus Ave., St. Louis, Mo.

3500 2 1/2-in. chrysanthemums, including Chadwick, Wedding, Appleton, etc., \$20.00 per 1000. Liger and Richardson, 2 1/2-in., \$15.00 100.

Poehlmann Bros. Co., Morton Grove, Ill.

Pompon chrysanthemums, 50 varieties, \$2.00 100; \$17.50 1000.

R. Vincent, Jr. & Son, White Marsh, Md.

CINERARIAS.

Cinerarias, dwarf, large flowering, 2-in., \$1.50 per 100. Cash.

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Large-flowering, 2 1/4-in., \$2.00 100; 300 for \$5.00.

C. Whitton, City St., Utica, N. Y.

Cinerarias, 2-in., \$2.00 per 100.

Jos. H. Cunningham, Delaware, O.

COLEUS.

Coleus in variety, \$2.00 100; \$17.50 1000.

R. Vincent, Jr. & Son, White Marsh, Md.

CYCAS.

CYCAS STEMS. Only 10 cases unsold. Speak quick if you want one. Price only \$4.00 per 100 lbs.

STUMPP & WALTER CO., 50 Barclay St., N. Y.

Cycas revoluta, fine, 6 to 7-in., from 8 to 8 leaves, 10c per leaf.

Godfrey Aschmann, 1012 Ontario St., Phila.

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CYCAS—Continued

Cycas revoluta, the long leaf var., stems from 1/2 to 6 lbs., \$7.50 per 100 lbs.
F. W. O. Schmits, Prince Bay, N. Y.

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CYCLAMEN SPLENDENS GIGANTEUM. The finest strain in the world. A splendid stock of plants from 3-in. pots, \$7.00; from 3 1/2-in. pots, \$10.00; from 4-in. pots, \$12.00 per 100.
PAUL MADER, East Stroudsburg, Pa.

Cyclamen plants, 4-in., choice strain, \$10.00 100. 300 in 3-in., not quite so strong, \$8.00 100.
Geo. A. Rackham, 880 Vandyke Ave., Detroit, Mich.

Cyclamen giganteum, finest strain, extra strong and thrifty plants, all colors, 4-in. pots, \$20.00 100. Special rates for large orders.
Mount Hennes Conservatories, Fishkill, N. Y.

Cyclamen. Only the large giganteum grown; 3-in., \$7.00; 4-in., \$12.00 100.
C. Winterich, Defiance, Ohio.

Cyclamen per. giganteum; large-flowered, 3-in., \$5.00 100; 4-in., \$10.00 100.
S. Whitton, 15 Gray Ave., Utica, N. Y.

Cyclamen, fine plants, 5-in., \$12.00 100.
Nathan Smith & Son, Adrian, Mich.

Cyclamen giganteum, 3-in., \$7.00 100.
E. Thompson, R. R. No. 3, Madison, Wis.

Cyclamen, 4-in., \$10.00 per 100.
S. M. Harbison, Danville, Ky.

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DAHLIAS. For plants, bulbs or cut blooms, write
W. P. PEACOCK, Atco, N. J.

DRACÆNAS.

Dracaena indivisa, strong, from open ground, ready for 5 and 6-in. pots, 20 to 24 inches high, \$15.00 per 100. E. F. Rose, Taunton, Mass.

Dracaena indivisa, field-grown, \$2.00 doz.; \$15.00 100. W. G. Kroeber, Danbury, Conn.

FERNS.

Nephrolepis Plersoni ferns, 2 1/2-in., 30c each; 3-in., 50c each; 4-in., 75c each; 5-in., \$1.00 each; 6-in., \$1.50 each; 7-in., \$2.00 each; 8-in., \$2.50 each; 10-in., \$3.00 each. *Nephrolepis Bostoniensis*, 2 1/2-in., \$4.00 100; 5-in. pans, 30c ea.; 6-in. pans, 40c ea. *Nephrolepis cordata compacta*, 5-in., 30c ea.; 6-in., 40c ea. *Nephrolepis davalloides furcans*, 3-in., \$15.00 100. *Nephrolepis plumosus*, 3-in., \$10.00 100. Stock in excellent condition.

NATHAN SMITH & SON, Adrian, Mich.

FERNS, fine healthy plants ready for a shift. *Bostons*, 5-in., 40c; 7-in., 75c. *Lomaria gibba*, extra fine, 4-in., 15c; 5-in., 30c; 6-in., 40c. *Davallioles furcans*, 4-in., 20c; 5-in., 50c; 7-in., 75c. *Alsophila australis*, fine specimens, 11-in., \$3.00. Mixed ferns, 2 1/2-in., 3c. *Washingtoniensis*, 7-in., \$1.00. 10 per cent discount per 100. Cash.
N. STUDER, Anacostia, D. C.

Small ferns for fern dishes. *Pteris Wimsettii*, *argyrea*, serrulata, *cristata*, *albo-lineata*, *adiantoides*, *Ouvardi*, *Aspidium taeniense*, and *Cyrtomium falcatum*, nice plants in 2 1/2-inch pots, \$3.50 per 100; \$30.00 per 1000; our selection, \$25.00 per 1000. Cash.
Oechslein Bros., 1688 W. Madison St., Chicago.

SEEDLING FERNS, 1000 flats, ready for pots, in best commercial varieties. Write us for list of kinds. If carefully divided, each flat will average about 400 plants; \$2.00 per flat, 12 flats \$21.00.

Ozone Park Nurseries, O. B. Kulickman, Manager, Ozone Park, Long Island, N. Y.

The ANNA FOSTER fern. Small 3 to 4 frond plants, \$10.00 100; \$80.00 1000. Beautiful plants cut from bench, \$35.00, \$50.00 and \$75.00 100. Pot plants, 3-in., \$20.00 100; 6-in. \$1.00, 7-in. \$2.00, 8-in. \$3.00 each.
L. H. FOSTER, Dorchester, Mass.

Boston ferns, vigorous plants from benches, ready for 6, 7 and 8-in. pots or pans, 25c, 35c and 50c each.

Small ferns, 2 1/2-in., good assortment, \$2.50 100; \$20.00 1,000.
Ozone Park Nurseries, Ozone Park, L. I., N. Y.

Seedling Ferns. A good variety of the best hardy kinds, suitable for fern dishes, etc., from flats, ready to pot, \$1.00 100; \$8.50 1000. From 2 1/2-in. pots \$3.00 100.
H. WESTON, Hempstead, N. Y.

BOSTON FERNS. I make a specialty of *Nephrolepis Exaltata* *Bostoniensis*, \$10.00, \$15.00, \$20.00 and \$25.00 per 100. Taken from bench; extra fine plants.
WM. A. BOCK, North Cambridge, Mass.

BOSTON FERNS. Samples of fine Bostons from benches, ready for 5 to 7-in. pots, sent to prospective buyers who make us best offer on such plants. Write us.
J. A. Swartley & Sons, Sterling, Ill.

Piersoni ferns. September delivery, 2 1/2 and 2 1/2-in., \$25.00 100; \$112.50 500. *Bostons*, 2 1/2-in., \$5.00 100; \$22.50 500.
Chas. H. Campbell, 3001 Germantown Ave., Philadelphia, Pa.

Ferns for fern pans or growing on. Good, healthy stock in 2-in. pots. *Pteris Ouvardi*, *P. cretica albo lineata*, *P. cristata* and *P. tremula*, \$3.00 100.
Wagner Park Conservatories, Sidney, O.

Boston ferns, fine, strong plants, 3-in., \$10.00 100; 4-in., \$20.00; 6-in. pans, \$40.00; 8-in. pans, \$1.00 each; 10-in. pans, \$1.25 each. Bentsen Floral Co., 4025 Marcus Ave., St. Louis, Mo.

Boston ferns, extra fine, from bench, 4-in., \$15.00; 5-in., \$25.00; 6-in., \$35.00; large or small quantities. Cash or C. O. D. Guaranteed.
J. W. Bernard, Marion, Ind.

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WINTER FLOWERING sweet pea seed, for forcing only—Zvolanek's Christmas, pink, and Florence Denzer, pure white. Stock seed of these varieties is carefully selected in my greenhouses from stems over 14 inches long. Seed sown first of Sept. will bloom for Christmas. Sown in Dec., after the late mums, will bloom in Feb. New crop seed ready by the middle of Aug. at 75c pkt., \$2.50 lb. Orders booked and filled in rotation.
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Hollyhocks, white and yellow. Double Sweet Williams. Hunt's auriculataefolia. Digitalis, 12 varieties mixed. Delphiniums, finest tall-growing. Primula acutula. Gold-laced polyanthus. Lobelia cardinalis, finest of all border flowers. Begonia tuberosa rooted, all colors mixed. Veronica serratifolia, fine blue. Gaillardia grandiflora. Trade packets, 10c.
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New crop pansy seed of the famous JENNINGS' strain now ready. Large-flowering, finest colors in great variety. By mail, 3000 seeds, \$1.00; ½ pkt., 50c; 1 oz., \$5.00. Separate colors in blue, black, red, white and yellow, 50c pkt. Cash.
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White sultana, Platyapetala, flowers large, pure white, with red dot in the center. Now is the time to stock up for the coming season. IT SELLS. Strong plants, \$1.00 per doz.
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Good, strong 2½-in. umbrella plants, \$2.00 per 100; 3½-in., \$5.00 per 100. Cash with order.
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See our flower plant adv. in this issue.

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Vinca variegata, strong plants, 4-in., \$12.50 100. \$20.00 1000.
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Strong field-grown Vinca var. maj. for 4 to 6-in. pots, \$3.00 per 100. Cash.
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Hunt's LIBERTY Folding Boxes are PURE WHITE, almost waterproof and stronger than any other box on the market. Send for sample. Price no higher than the "cheap-looking" boxes usually sold.

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CUT FLOWER BOXES, the best, strongest and neatest folding cut flower box made.

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Our box sells on its merits.

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Those RED pots. The right kind. C. C. POLLWORTH CO., Milwaukee, Wis.

Red pots. Write for prices and sample pot. Colesburg Pottery Co., Colesburg, Iowa.

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TWEMLOW'S OLD ENGLISH GLAZING PUTTY. An old article when goods were made for quality, not cheapness. It lasts a lifetime and is the best article today for all greenhouse glazing. Makes a firm, lasting bed for glass, unaffected by heat or cold. No leaky sash-bars when this is used.

1-gallon can (16 lbs.).....\$1.25

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Sphagnum moss of first quality. Can ship at a moment's notice—2 bales, \$1.50; 10-bale lots, \$6.00. Z. K. JEWETT & CO., Sparta, Wis.

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American brand FLORIST FOIL—The standard foil of America.

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Wired toothpicks, 10,000, \$1.50; 50,000, \$6.25. Sample free. For sale by dealers.

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Wired toothpicks, box of 10,000, \$1.50. W. W. Barnard & Co., 161 Kinzie St., Chicago.

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Model Extension carnation supports; also galvanized rose stakes and tying wires.

Igoe Bros., 228 North 9th St., Brooklyn, N. Y.

Model Extension carnation supports and galvanized rose stakes. Parker Bruen Mfg. Co., 208 Jersey St., Harrison, N. J.

Excelsior carnation supports. In use 10 years. Write H. F. Littlefield, Worcester, Mass.

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ENCLOSED is another dollar for the REVIEW; I find it one of the things indispensable.—JAS. HARRIS, Milton, Ore.

I AM very well pleased with my advertisement. My sweet pea seed is selling fast.—ANT. C. ZVOLANEK, Grand View, N. J.

PLEASE let us know when our REVIEW subscription runs out, as we want to never miss a paper.—WATKIS & NICHOLSON, Hammon, N. J.

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CLEVELAND.

The Market.

The cut flowers coming to the Cleveland market show a decided improvement, both in quantity and quality, and the demand has kept pace with the supply. Prices are still on a summer basis, and with but small show of a rise this month. Outdoor carnation blooms are coming in quite freely, but it is a little too early for our growers to be cutting from inside, as we do not seem to get our stock planted quite as early as some of the other growers.

Roses cut from the young plants show very good flowers, but most of them are still short of stem. Isaac Kennedy is sending in some very nice Maids and Brides to the F. R. Williams Co. Outdoor asters are a thing of the past, but those planted inside are ready to cut, and some very fine ones are being handled by the J. M. Gasser Co.

Notes.

Many of the florists around Cleveland are laying in a stock of coal at the present time, in order not to be placed in the position so many occupied last year, and some yards around the boiler rooms look like coal mines. Graham, Bate Bros., the F. R. Williams Co., J. W. Wilson, Kennedy, and the Gasser Co. are all well stocked with good fuel.

Mr. Jones, of the J. M. Gasser Co., spent five short weeks on his vacation, part of the time being spent on a trip to the Soo and the balance in the east. The fact that the weeks were short, proves that Mr. Jones enjoyed himself.

E.

BUFFALO, N. Y.—At the opening of the Kenilworth races J. H. Rebstock had as a window decoration a large floral horse. The body was made of white asters, the hoofs of violet asters, the mane and tail of asparagus and the eyes of chenille.

FIELD-GROWN

CARNATIONS!

NICE, CLEAN, HEALTHY STOCK.

	Per 100	Per 1000
White Cloud	\$5.00	\$40.00
Evanston.....	4.00	35.00
Scott.....	3.50	30.00
Portia.....	3.50	30.00

Write quick if you want these.

JOHN MUNO,

51 Wabash Ave., CHICAGO.

Mention Review when you write

Carnations for Sale.

Flora Hill, Freedom, Gomez, Marquis, Bon Ton, Scott, Bradt, Gov. Roosevelt, Joost, Daybreak, \$5.00 per 100.

VIOLETS—Farquhar and Imperial, 2½-inch pots, \$4.00 per 100. Cash with order.

CHARLES H. GREEN, Spencer, Mass.

Mention the Review when you write.

ROSES.

100 4-inch Am. Beauty.....\$10.00 per 100

500 3-inch Ivory..... 3.00 "

1500 Sprenger, 2-inch.....\$20.00 per 1000

500 Smilax, 2½-inch.....\$1.50 per 100

Carnations—Write for list and prices.

Crabb & Hunter, Grand Rapids, Mich.

Mention the Review when you write.

125,000 FIELD-GROWN

Carnation Plants

	Per 100	Per 1000
Flora Hill.....	\$5.00	\$40.00
White Cloud	5.00	40.00
Queen Louise.....	5.00	40.00
Norway	4.00	35.00
Guardian Angel	4.00	35.00
Mrs. Potter Palmer.....	5.00	40.00
Joost.....	3.00	25.00
Marquis	3.00	25.00
Genevieve Lord.....	3.00	25.00
Triumph	4.00	35.00
Mrs. Higinbotham	5.00	40.00

The large surplus of plants which we have left enables us to select the very best stock there is to be had. Order at once and get first choice.

GEORGE REINBERG,

51 Wabash Ave., CHICAGO.

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100,000 Field-Grown Carnation Plants

Our plants are in fine condition, strong and not over-grown. We have no stem-rot.

Mrs. E. A. Nelson, Harry Fenn, price \$10.00 per 100.

Lawson, Lorna,	Prosperity, Oriole,	Mrs. G. M. Bradt, LeRoy Mitting,	Buttercup, Mermaid.
Price \$8.00 per 100.			
Queen Louise, Floriana,	Gov. Roosevelt, White Cloud,	Jubilee, Eldorado,	Morning Glory, Flora Hill.
Price \$6.00 per 100.			
Ethel Croker, Hoosier Maid, Goodenough,	Mrs. B. Lippincott, Sunbeam, Wm. Scott,	Victor, Joost, Irene,	Norway, Portia, Daybreak.
Price \$5.00 per 100.			

J. L. DILLON, - - Bloomsburg, Pa.

Mention Review when you write.

Carnation Plants...

FIELD-GROWN, STRONG, HEALTHY STOCK.

PROSPERITY..... \$7.00 per 100

Mrs. G. BRADT.....\$7.00 per 100; 60.00 per 1000

Mrs. JOOST..... 6.00 " 50.00 "

MELBA..... 5.00 " 45.00 "

MacRICHMOND..... 5.00 " 45.00 "

HARDY ENGLISH IVY, strong, 3-in. pots, \$5.00 per 100; \$40.00 per 1000.

I. H. MOSS, Govanstown, Baltimore, Md.

Mention The Review when you write.

CARNATIONS

F. DORNER & SONS CO., LaFayette, Ind.

Mention the Review when you write.

Roses EXTRA STRONG

American Beauty.....3½-in.....\$10.00 per 100

Golden Gate.....3½-in..... 8.00 per 100

H. WEBER & SONS, Oakland, Md.

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ROSES TO CLOSE OUT.

Brides, Maids, Golden Gates, Ivory, Beauty, Liberty.

Write for prices.

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ALL THE BEST CARNATIONS

LEADING NOVELTIES OF 1903.

The Best Varieties of 1902.

All the Standard Varieties.

Send in your orders for Field Plants now.

GEO. HANCOCK & SON, Grand Haven, Mich.

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FIELD-GROWN Carnation Plants.

It has been a good growing season
and plants are in fine shape,
strong and bushy.

	Per 100	Per 1000
Guardian Angel	\$4 00	\$35 00
Mrs. Frances Joost	3 00	25 00
Genevieve Lord.....	3 00	25 00
Triumph	4 00	35 00
G. H. Crane	5 00	40 00
Mrs. Potter Palmer	4 00	35 00
Chicago	5 00	40 00
Flora Hill.....	5 00	40 00
Dorothy	6 00	50 00
Mrs. Nelson.....	6 00	50 00
Prosperity	8 00	75 00
Norway	5 00	40 00
White Cloud.....	5 00	40 00
Mrs. Geo. M. Bradt.....	5 00	40 00
Gaiety.....	5 00	

All stock sold under express condition
that if not satisfactory it is to be returned
immediately when money will be refunded.

Peter Reinberg

51 Wabash Ave.,
CHICAGO.

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FIELD-GROWN Carnation Plants.

CLEAN, STRONG AND BUSHY.

	Per 100	Per 1000
AMERICA	\$4.00	\$35.00
GOMEZ	4 00	35 00
FRANCES JOOST.....	3 00	25 00
SCOTT.....	3 00	25 00

ALFRED B. EVERETT,

(Formerly Harm's Park Floral Co.)

BERTEAU and NORTH
OAKLEY AVENUES, **CHICAGO.**

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Commercial Violet Culture.

BY B. T. GALLOWAY.

This is the Second Edition of this very success-
ful book, revised and brought up to date.

Fully illustrated and handsomely printed.

Sent postpaid on receipt of \$1.50.

FLORISTS' PUBLISHING CO.

520 Caxton Building,
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Chicago.

Mention Review when you write.

Indianapolis!

The best bright pink carnation in sight.

TO BE DISSEMINATED IN 1904!

We are now mailing descriptive cir-
culars. If you do not receive one in
a few days drop us a postal.

January delivery all taken. Send in your orders at
once for February delivery. \$2.50 per doz.; \$12.00
per 100; \$100.00 per 1000.

Baur & Smith,

38th Street and
Senate Ave., Indianapolis, Ind.

Mention Review when you write.

1,000,000 Unrooted Cuttings Now Ready.

White.				Scarlet.			
	100	1000	5000		100	1000	5000
Queen Louise.....	\$0.75	\$ 7.00	\$ 30.00	Estelle.....	\$1 00	\$ 9.00	\$ 40.00
Flora Hill.....	.75	7.00	30.00	Mrs. Palmer.....	1.00	9 00	40.00
Norway.....	.75	7 00	30.00	Apollo.....	2.00	16.00	75.00
White Cloud.....	.75	7 00	30.00	Crimson.			
Alba	1.80	15.00	60.00	Harlowarden.....	2.50	22.00	100.00
Wolcott.....	1.80	15 00	60.00	Gov. Roosevelt .....	.75	7.00	30.00
Lillian Pond.....	3.00	25.00	115.00	Gen. Maceo.....	.75	7.00	30.00
Pink.				Gen. Gomez.....	.75	7.00	30.00
Lawson .....	.75	7.00	30.00	Harry Penn.....	1.00	9.00	40.00
Marquis.....	.75	7 00	30.00	Yellow.			
Genevieve Lord.....	.75	7.00	30.00	Eldorado.....	.75	7.00	30.00
Argyle.....	.75	7.00	30.00	Gold Nugget.....	1.00	9.00	40.00
Mermaid.....	.75	7.00	30.00	Golden Beauty	1.50	14.00	65.00
Guardian Angel.....	.75	7.00	30.00	Variegated.			
Cressbrook.....	1.25	10.00	45.00	Violanta.....	6 00	50.00	225.00
Higinbotham.....	1.25	10.00	45 00	M. Field.....	2.50	23.00	100.00
Mrs. Theo. Roosevelt.....	3.00	25.00	125.00	Tiger.....	2.50	22.00	100.00
Success.....	2.50	22.00	100.00	Stella.....	1.50	14.00	60.00
Scarlet.				Bradt.....	1.00	9.00	40.00
Crane.....	.75	7.00	30.00	Armazindy .....	.75	7.00	30.00
America.....	.75	7.00	30.00				

Prepaid to your city at above Spot Cash Prices.

California Carnation Co., L. Box 103. **Loomis, Cal.**

Mention Review when you write.

Winter Flowering Roses.

Fine healthy stock from selected cuttings. Sunrise, American Beauty,
La France, 3-in pots, \$7.00 per 100.

Brides, Maids, Golden Gates, Meteors, Safrano, Bon Silene, Mme.
Hoste, Papa Gontier, 3-in. pots, \$5.00 per 100.

GRAFTED ROSES. Fine bushy plants in 3½ and 4-in. pots.

Liberty, Ivory, \$15.00 per 100. Brides, Maids, Golden Gates,
Kaiserin, \$12.00 per 100.

J. L. DILLON, BLOOMSBURG, PA.

Mention Review when you write.

ST. PAUL.

The Market.

Trade experienced a little dullness the past week, which was probably due to our state fair taking the attention of people to the exclusion of everything else. Stock is more plentiful. First-class roses are scarce but there is an abundance of short stemmed stock. A few carnations are being cut, but not enough for the demand. Asters are becoming scarce, and at best are but poor.

Various Notes.

At the State Fair this week the Minneapolis brethren were the only competitors, Monson, Nagel, Mendenhall and Vasatka taking the majority of the premiums.

At the recent fall opening of Donaldson's Glass Block, in Minneapolis, the floral decorations were most elaborate and very tastily arranged by Mr. Souden. Hydrangea paniculata, Golden Glow, gladioli and dahlias were employed in groups and masses with charming effect.

Visitors: A. N. Kinsman, Austin, Minn.; Mrs. E. O. Lovell, Grand Forks, N. D.; W. A. Bastian, with G. M. Kellogg, Pleasant Hill, Mo., and E. A. Tonquest, with Miss M. Dailey, Kansas City, Mo.

X. Y. Z.

BRICK BENCHES.

How do you fix the bottom of benches lined with brick. What do the bricks rest upon? How many bricks will be required for two benches each 7x50 feet?

K. A. W.

For benches of ordinary width $1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{4}$, or $2 \times 2 \times \frac{1}{4}$ -inch tee irons make good supports for brick bottom, the tees being laid with the leg of the tee pointing upwards. The average size of brick, assuming that common building bricks are referred to, is about 4x8 inches, thus about 1,575 bricks would be needed for a bench 7x50 feet.

HENRY W. GIBBONS.

WELL GROWN

Sprengeri Plants.

For 8-in. pots.....\$2.50 per 100; \$20.00 per 1000
Seedlings......75 5.00

SAMUEL S. PENNOCK,

1612 Ludlow Street,

Philadelphia, Pa.

Mention the Review when you write.

LOW PRICE! QUICK PROFIT!

The Anna Foster Fern.

Small 3 to 4 frond plants \$10 per 100, \$80 per 1000. Beautiful plants cut from bench at \$35, \$50 and \$75 per 100. Pot plants, 8-in.. \$20 per 100; 6-in. \$1, 7-in. \$2, 8-in. \$3 each. 10,000 KENTIA PALMS

L. H. FOSTER, 45 King St., Dorchester, Mass.

Mention Review when you write.

ORCHIDS..

Arrived in splendid condition a grand lot of Cattleya labiata; also C. Maxima. Write for prices.

Lager & Hurroll, Growers and Importers... Summit, N. J.

BARGAIN PRICES

OFFER OF FLOWERING AND DECORATING PLANTS by

ANTON SCHULTHEIS, College Point, N. Y.

Prices given below include packing free of charge. All plants are shipped without pots unless otherwise ordered. Shipments are made by fast freight, if not specially directed, till frost sets in, when express is preferred. Write for my catalogue which contains conditions of sale, etc., of all plants. Cash must accompany all orders.

PANDANUS Utilis, from $3\frac{1}{2}$ -in. pots, \$10.00 per 100; $6\frac{1}{2}$ and 7-in. pots, \$12.00 to \$18.00 per doz.; \$125.00 to \$150.00 per 100.

LATANIA Borbonica, from 4-inch pots, \$5.00 and \$6.00 per 100; from 5-inch pots, \$35.00 and \$40.00 per 100.

KENTIA Forsteriana and Belmoreana, from 3-in. pots, \$10.00 per 100; \$90.00 per 1000. Forsteriana, from 4-in. pots, about 24 in. high, \$35.00 to \$45.00 per 100.

Belmoreana, from 4-in. pots, \$20.00 per 100; from $4\frac{1}{2}$ in. pots, about 20 in. high, \$25.00 to \$35.00 per 100; from 5-in. pots, 3 in a pot, \$35.00 per 100.

I have also a large supply in Forsteriana and Belmoreana, plants from \$1.00 to \$25.00 each. The largest plants are made-up specimens in perfect condition.

ARECA Lutescens, 3 in a pot, in all sizes. From 5-in. pots..... \$25.00 per 100

6	\$9.00 per doz.;	60.00
6 1/2	15.00	100.00
7	18.00	180.00
8	30.00	225.00
9	50.00	

CYCAS Revoluta, from 5 to 8 in. pots, \$0c to \$3.00 each.

PANDANUS Veitchii, Specimens, \$3.00 to \$6.00 each.

ARAUCARIA Glauca, from 7-in. pots, 5 tiers, \$24.00 to \$30.00 per doz.

ARAUCARIA Excelsa, very fine, from 6 and $6\frac{1}{2}$ -in. pots, 6 tiers, \$18.00 to \$24.00 doz.

FERNS for Ferneries, fine assortment, \$5.00 per 100.

NEPHROLEPIS Plersoni, from 6-in. pots, \$18.00 per doz.; well rooted runners, with about 2 leaves, \$3.00 per doz.

BOSTON FERNS, from 6-in. pots, \$35.00 per 100. Specimens, in 10-in. azalea pans, \$36.00 per doz. Nice plants, cut from benches, fit to go in a 5-in. pot, \$20.00 per 100; \$180.00 per 1000.

EPIPHYLLUM Russellianum, from $2\frac{1}{2}$ -in. pots, fine, bushy plants, will bloom for Easter, \$25.00 per 100.

BRANCHED RUBBERS, from 6-in. pots, 3 branches each, \$9.00 per doz.; from 7-in pots, 4 branches each, \$12.00 to \$15.00 doz.

Single Stem RUBBERS, 3 to 3 feet high, from \$4.00 to \$9.00 per doz.

ASPIDISTRAS, green and variegated, from 6 to 8-in. pots, \$18.00 to \$30.00 per doz.

CAMELLIAS, well set with flowering buds, from 5 and 6-in. pots, in variety, \$6.00, \$9.00 and \$12.00 per doz.; \$50.00 per 100.

Large DAISY Plants, from 7 and 8-in. pots, time for Xmas blooming, \$6.00 per doz.

LILAC, Marie Legraye, well budded, low and bushy, good forcing stock, \$50.00 a 100.

ERICA Fragrans, Specimens, from 7 to 10-in. pots, well budded, \$1.50, \$2.00, \$3.00, \$4.00 and \$5.00 each; from $5\frac{1}{2}$ -in. pots, well budded, fine shaped plants, \$6.00 per doz.; \$45.00 per 100. 1 year old plants, from $3\frac{1}{2}$ -in. pots, \$0.00 per 100.

ERICA Persoluta, Roses, Rubra and Alba, Specimens, from 7-in. pots, well budded, \$18.00 to \$24.00 per doz.; 2 years old, from $5\frac{1}{2}$ -in. pots, \$6.00 per doz.; \$45.00 per 100; 1 year old, \$10.00 per 100.

ERICA Mediterranea, from $6\frac{1}{2}$ -in. pots, \$2.00 each.

ERICA Cupressina, well budded, from $3\frac{1}{2}$ -in. pots, \$8.00 per 100; from $4\frac{1}{2}$ -in. pots, \$5.00 and \$6.00 per doz.; \$35.00 to \$45.00 a 100.

ERICA Regenermans, well budded for Xmas, 1 year old, \$5.00 per 100; from 5-in. pots, \$5.00 per doz.; \$45.00 per 100.

ERICA Vilmoreana, 1 year old, \$5.00 per 100; from 5-in. pots, \$6.00 per doz.; \$45.00 per 100. Specimens, from 7-inch pots, \$24.00 per doz.

EPACRIS Alba, very fine plants, from 4-in. pots, well budded, \$25.00 per 100.

SMALL GENISTAS, Easter Varieties, from $3\frac{1}{2}$ -in. pots, \$10.00 per 100; from 5-in. pots, \$4.00 per doz.; from 7-in. pots, Specimens, \$18.00 per doz.

Mention the Review when you write.

PANSY SEED New Crop Now Ready

WINTERSON'S "COMBINATION" PANSY MIXTURE produces "Pansies that SELL ON SIGHT." This mixture is composed of the choicest varieties produced by specialists both in this country and Europe and is not excelled by any mixture offered to the trade. A trial will convince you that it is all we claim for it. Trade packet, 5c; $\frac{1}{4}$ oz., \$1.50; $\frac{1}{2}$ oz., \$5.00; 1 oz., \$10.00.

WINTERSON'S PREMIUM PANSY MIXTURE. Embraces all the varieties of the fancy German sorts. We have supplied this mixture for many years past and it has given general satisfaction. Per packet, 25c; $\frac{1}{4}$ oz., 80c; $\frac{1}{2}$ oz., \$3.10; 1 oz., \$5.50.

WINTERSON'S IMPROVED ERFURT MIXTURE. This is a mixture of 3 strains from different German growers and is made up mostly of separate colors, with a sufficiently large percentage of white and yellow. Per large packet, 15c; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 45c; 1 oz., \$1.50.

OUR NEW CATALOGUE is in the hands of printer. He is a bit slow but promises to have it off the press by September 15th. It will be worth your while to get a copy. Send us your name now. In the meantime remember WE ARE HEADQUARTERS FOR CUT FLOWERS, WIRE WORK AND ALL FLORISTS' SUPPLIES.

E. F. WINTERSON CO.

Successor to McKELLAR & WINTERSON,

45, 47, 49 Wabash Ave. Telephone Main 1129. CHICAGO.

Mention The Review when you write.

Pierson Fern September Delivery

$2\frac{1}{2}$ and $2\frac{3}{4}$ -in....\$25.00 per 100; \$112.50 per 500
Boston, $2\frac{1}{2}$ -in... 5.00 per 100; 22.50 per 500
READY NOW—Maranta Makoyana, 3-inch, \$25.00 per 100.

CHAS. H. CAMPBELL,
3601 Germantown Ave., Philadelphia.
Mention the Review when you write.

SURPLUS STOCK. Quality First-Class.

2200 $3\frac{1}{2}$ -inch Maids, \$35.00 per 1000.
3500 $2\frac{1}{2}$ -inch Mums, 20.00 per 1000, including Chadwick, Golden Wedding, Appleton, Wil-lowbrook, Kalb and many others.

Liger, Richardson, $2\frac{1}{2}$ -in., strong, \$15.00 per 100.

POEHLMANN BROS. CO., Morton Grove, Ill.
Mention the Review when you write.



Bargains in PALMS

We have a quantity of large and medium sized stock for decorative purposes. Must have room.

LET US MAKE YOU PRICES.

C. C. Pollworth Co.
MILWAUKEE, WIS.

Mention the Review when you write.

PANDANUS UTILIS

Clean plants from 4-inch pots, \$10.00 per 100.

Latania Borbonica 4-inch pots, 1-2 character leaves, \$10.00 per 100.

Asparagus Plumosus Strong plants, from 6-inch pots, \$25.00 per 100.

Kentias Bel. and Forsteriana 2½ and 3-inch. \$6.00 to \$12.00 per 100.

Dbl. Flowering Alyssum, Winter Flowering Myosotis, 3-inch pots, \$4.00 per 100.

THORN HEDGE GREENHOUSES,
Newtown Square, Pa.

Mention the Review when you write.

ALYSSUM, 3-inch, strong plants, \$3.50 per 100.
Jerusalem Cherry Trees, field-grown, dwarf and bushy, well set with berries, \$3.00 per 100.
Vinca Variegata, field-grown, \$4.00 per 100.
Hydrangeas, finest lot you ever saw, field-grown, with 8 to 10 flowering shoots, \$12 a 100.
Violets—Princess of Wales extra strong plants, field-grown, \$8.00 per 100. California, extra strong plants field-grown, \$8 per 100. Campbell, not so strong, field-grown, \$3.00 per 100. Cash or C. O. D.

Converse Greenhouses, Webster, Mass.

JOHN SCOTT,

Keep St. Greenhouses, Brooklyn, N. Y.

Headquarters Boston

Fine "PIERSONI" in 2½-inch pots.

The Cottage Gardens' Collection of Cannas. Grand stock. Send for particulars. Mention Review when you write.

FERNS

for Fern Fans or growing on good healthy stock in 2-inch pots.

Pteris Ouyrardi, *Pteris Cristata*, *Pteris Tremula*, *Pteris Cretica* Albo-Lineata, *Selaginellas Emmelliana*. Price \$3.00 per 100.

Wagner Park Conservatories, Sidney, Ohio.
Mention the Review when you write.

CHAS. D. BALL,

GROWER OF **Palms, Etc.**

HOLMESBURG, PHILADELPHIA, PA.
Mention the Review when you write.

PRIMROSES.

Chinese, 2-in. pots \$2.00 per 100
Obconica, alba and rosea 2.00 "
Forbesi, "Baby" 2.00 "
Pansy Seed, Ne plus ultra, August. 4.00 per oz.
Cinerarias, 2-inch pots 2.00 per 100

CASH, PLEASE.

JOS. H. CUNNINGHAM, - - Delaware, Ohio.

Mention The Review when you write.

ASPARAGUS.

Sprenger \$2.00 per 100
Plumosus Nanus 2.50 "
Narcissus, paper white grandifl., Sept. 1 1.00 "
Pansy Plants, ready Sept. 20th... .50 "
\$3.00 per 1000.

100,000 SMALL FERNS.

FOR FERN DISHES.

Pteris Wimsettii, *Argyrea*, *Serrulata*, *Serrulata Cristata*, *Albo-lineata*, *Adiantoides*, *Ouyrardi*; *Aspidium Taussimense* and *Cyrtomium Falcatum*, nice plants in 2½-inch pots, \$3.50 per 100; \$30.00 per 1000; our selection, \$25.00 per 1000. Cash.

OECHSLIN BROS., 1688 W. Madison St., Chicago.

We Still Have

a fine lot of **SMILAX** left; strong plants from 2½-inch pots, ready for planting at \$1.25 per 100; \$10.00 per 1000.

Geraniums Jean Vland (the pink novelty), Mme. Buchner (white), E. G. Hill and B. Poitevine (salmons); extra strong 2½-inch plants at \$1.50 per 100.

THE W. T. BUCKLEY PLANT CO.
SPRINGFIELD, ILL.

Mention the Review when you write.

Bouvardia

Pink, White.

Strong Plants from Field \$8.00 a 100

CHARLES E. MEEHAN

Slocum and Musgrove Sts.,
GERMANTOWN, PA.

Mention the Review when you write.

Cyclamen—Nothing but the best giganteum persicum, large flowered, 3-inch, ready for 4-inch, \$5.00 per 100; 4-in., \$10.00 per 100.
Asparagus Sprenger—From flats, ready for potting up, \$1.00 per 100; \$6.00 per 1000. 5000 for \$25.00. 2½-inch, \$1.50 per 100; \$12.50 per 1000.
Primroses, Chinese and Obconica, \$2.00 per 100; 300 for \$5.00.
Mammoth Begonias, in flower, 4-in., \$6. 100.
Primula Forbesi—Baby primroses, 2½-in., \$1.50 per 100; 400 for \$5.00.

SAMUEL WHITTON, 15-17 Gray Ave., UTICA, N. Y.

PRIMROSES...

Best Varieties, Strong Plants, Ready for a Shift.

Chinese, 2½-inch \$2.50 per 100; \$20.00 per 1000
Chinese, 3½-inch \$5.00 per 100
Obconica Grandiflora, Alba, Rosea, Fimbriata, 2½-inch pots \$3.00 per 100; \$25.00 per 1000
Celestial Peppers, 5-inch, \$1.50 per doz.; \$12.00 per 100

LOOK! Don't miss these BERRIED PLANTS FOR CHRISTMAS

Solanum Ciliatum or Adam's Apple, large, bright red berries, 3-in. pots, 5c; 4-in. pots, 10c each.
Solanum Annum or Celestial Peppers, 4-in. pots, 10c each.
Solanum Capsicastrum or Jerusalem Cherry, large berries, var., 3-inch pots, 5c each.
Stevia, 2½-inch pots, 2½c; 4 inch pots, 6c each.
Stevia Variegata, 3-inch pots, 5c each.
Genista, large flowering variety, 3-inch pots, 5c each.
Hydrangea Otaksa, pink and blue, 3-in. pots, 5c; 4-in. pots, 8c each.
English Ivy, 2½-inch pots, 5c each.

All these plants are strong and clean and ready to ship. Cash. Satisfaction guaranteed.

M. F. LaROCHE, Collingdale, Pa.

Mention Review when you write.

1000 Poinsettia

1-year-old, 4-inch, \$12.00 per 100.

Asplenium Tenuensis,

1000, \$4.00 per 100.

JOHN BREITMEYER'S SONS,
Detroit, Mich.

Mention the Review when you write.

PIPING AND GLAZING.

I am building a house 15x60 to raise bedding stock and want to pipe it so that it can go several hours without attention. I intend to use overhead flows, with the returns under the benches. I have a hot water boiler rated at 3,000 feet of glass. Which will give me better satisfaction, 4-inch pipe or 2-inch? Will the large boiler be all right or had I better get a smaller one? Which would you advise, lapped or butted glass?

C. C. G.

I would give a decided preference for 2-inch pipes for the circulating coils, ten lines being required for the house fifteen feet wide, with glass on the roof only. The large boiler may be used, as with reasonable care it will prove economical in fuel, and no blowing out of the water need take place. Lapped glass will give the tightest and best roof.

HENRY W. GIBBONS.

PIPING A HOUSE.

How much 2-inch pipe will it take to pipe a greenhouse 21x60, twelve feet to ridge, glazed on one end and side ventilators? The hot water boiler is at the west end of the house. Wish a temperature of 55 to 60 degrees when it is 20 below outside.

H. M. B.

Sixteen lines of 2-inch pipe will secure the results sought. The distribution of the pipes within the house will depend upon the depth of the boiler pit and the arrangement of the benches.

HENRY W. GIBBONS.

AMOUNT OF RADIATION.

How much 2-inch pipe will be required to heat a house 23x100, three-quarter span, five-foot walls, glass in both ends and ventilators at ridge and on south side? When the thermometer is down to 10 degrees below zero outdoors, 60 degrees is required inside.

M. D.

Sixteen lines of 2-inch pipe will maintain the required temperature with hot water.

HENRY W. GIBBONS.

**FINEST DISPLAY OF
BOSTON and PIERSONI FERNS**
at Milwaukee grown in the west was
GEO. A. KUHL'S, PEKIN, ILL.

Order at Once.

Boston Ferns.		Piersoni Ferns.	
2 1/2-in.	\$ 5.00 per 100	2 1/2-in.	\$0.85 each
3-in.	10.00	50 at.	.30
4-in.	15.00	100 at.	.25
5-in.	25.00	3-in.	.50
6-in.	40.00	4-in.	.75
7-in.	60.00	5-in.	1.00
8-in.	\$1.00 to \$1.50 each	6-in.	1.50
10-in.	2.00 to 2.50	7-in.	2.50
		8-in.	3.00

Asparagus Plumosus—2-in. \$5.00 3-in. \$8.00, 4-in. \$15.00 per 100. **Asparagus Sprengeri**—2-in. \$3.50, 3-in. \$5.00, 4-in. \$10.00 per 100.

Send your order at once for delivery any time from now until Christmas.

Also field-grown carnations to close out, Mrs. Frances Joost, Mrs. Fisher. Write for prices.

GEO. A. KUHL, - PEKIN, ILL.

Mention the Review when you write.

SMILAX!

Good strong stock, 2-inch pots, at \$1.25 per 100; \$10.00 per 1000.

Asparagus Sprengeri Seedlings. strong plants from flats, \$1.00 per 100. Prepaid.

E. I. RAWLINGS, Quakertown, Pa.

Mention the Review when you write.



SHORT-ROOF GREENHOUSES. (PATENTED.)

WRITE FOR CATALOGUE.

A. DIETSCH & CO., PATENTEES.

Manufacturers of

Washington Red Cedar and Louisiana Cypress Greenhouse Material and Hotbed Sash.

615-621 Sheffield Avenue, - - - CHICAGO, ILL.

Mention Review when you write.

SMILAX

We have 5000 extra strong 2-inch plants left, at.....\$1.00 per 100
Asparagus Sprengeri—From February sown seed, 2-inch pots..... 2.00 "
Brides and Maids—3-inch..... 3.00 "

FIELD-GROWN CARNATION PLANTS

In fine shape, strong and bushy.

300 Mrs. Potter Palmer.....	\$4.00 per 100
1500 White Cloud	3.50
300 G. H. Crane, 500 Oriole.....	4.00
1500 Mrs. Frances Joost.....	3.50
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INDEX TO ADVERTISERS.

This index covers only those having displayed advertisements. There is a host of others making offers in our classified ads, and they will be found there under their proper headings.

Allen, J. K.	644	Green, C. H.	656
Amling, E. O.	639	Gude & Bro., A.	648
Aschmann, Godfrey	643	Gullett & Sons	649
Baker, W. J.	643	Guttman, A. J.	645
Ball, C. D.	659	Hammond, Benj.	661
Barnard & Co.	635	Hammond, J. A.	644
Bassett & Washburn	646	Hancock, Geo. & Son	656
Baur & Smith	657	Harbison, S. M.	643
Bayersdorfer & Co.	628	Hauswirth, P. J.	648
Beach, D. S.	690	Hawkinson, Chas.	640
Beckert, W. C.	641	Heacock, Jos.	626
Beneke, J. J.	648	Helios-Upton	661
Bentley & Co.	646	Herr, A. M.	646
Bentzen, Floral Co.	647	Herrmann, A.	678
Berger, H. H. & Co.	628	Hicks & Crawbuck	645
Bernheimer, E.	643	Hill Co., E. G.	663
Berning, H. G.	647	Hippard, E.	661
Berry, F.	649	Hitchings & Co.	660-62-64
Bonnot Bros.	644	Holton & Hunkel Co.	643
Bowe, M. A.	648	Hunt, E. H.	646
Bradshaw & Hartman	644	Igoe Bros.	661
Brague, L. B.	647	Jacobs & Son	662
Brant & Noe	649	Johnson & Stokes	643
Breitmeyer's Sons	648-59	Jurgens, Aug.	646
Brod, J.	660	Kasting, W. F.	625
Bruns, H. N.	646	Kellogg, Geo. M.	643
Buckley Plant Co.	659	Kennicott Bros Co.	625
Budlong, J. A.	646	Kentucky Tobacco	663
Burpee, W. Atlee & Co.	641	Product Co.	663
Caldwell Co., W. E.	662	Kimberly, F. H.	649
Caldwell The Woodsman Co.	643	Kramer & Son	661
California Carnation Co.	657	Kreshover, L. J.	644
California Nursery	641	Kroeschell Bros. Co.	664
Campbell, C. H.	658	Kuehn, C. A.	647
Century Flower Shop	648	Kuhl, Geo. A.	656-60
Chicago Carnation Co.	625	Lager & Hurrell	653
Clarke Bros.	648	Lange, A.	644
Clarke's Sons, David	648	Langjahr, A. J.	644
Classified Advs.	630	Larkin Soap Co.	660
Converse Green-houses	659	La Roche, M. F.	659
Cottage Gardens	643	Lecakes & Co., N.	645
Cowee, W. J.	663	Limbach, C.	664
Crabb & Hunter	636	Littlefield, H. F.	626
Crowl Fern Co.	645	Livingston Seed Co.	660
Crooke Co., J. J.	661	Loomis Floral Co.	649
Cunningham, J. H.	659	Lord & Burnham	664
Dearborn Engraving Co.	628	Loven, E. S.	649
Dickinson Co., Albert	641	Ludemann, F.	649
Dietsch, A. & Co.	660	McConnell, Alex.	648
Diller, Caskey & Co.	662	McCullough's Sons	647
Dillon, J. L.	656-57	McManus, Jas.	644
Dillon Greenhouse Mfg. Co.	664	McMorrin & Co.	663
Dixon Crucible Co.	661	Meehan, C. E.	659
Dorner, F. & Sons Co.	656	Michigan Cut Flower Exchange	645
Dreer, H. A.	644	Millang, C.	644
Dunn & Co., C. A.	643	Moninger Co., J. C.	663
Dunne & Co.	628	Moon Co., W. H.	640
Eickholt, Mrs. Chas.	648	Moore, Hentz & Nash	644
Elliott, J. L.	661	Moss, Isaac H.	656
Ellis, F. M.	647	Muno, John	646-56
Everett, A. B.	657	Murphy, Wm.	647
Fehr, A. G.	676	National Florists' Board of Trade	645
Finley, C. E.	663	Naumann, G. M.	649
Florists' Hall Asso.	626	N. Y. Cut Flower Co.	644
Foley, J. J.	660	Niessen, Leo.	643-49
Foley Mfg. Co.	663	Oechslein Bros.	659
Foster, L. H.	655	Park Floral Co.	648
Garland, Geo. M.	663	Parker-Bruen Co.	661-63
Garland, Frank	646	Peacock, W. P.	643
Gasser Co., J. M.	648	Pennock, S. S.	627-43-58
Geller, Sigmund	628	Perkins, J. J.	645
Ghormley, W.	644	Peterson's Nursery	640
Giblin & Co.	664	Philadelphia Wholesale Flower Market	647
Graham, H.	649	Pierce Co., F. O.	662
		Pierson Co., F. R.	625
		Pierson-Sefton Co.	664
		Piggott, H. F.	649
		Pittsburg Cut Flower Co.	645
		Plant Seed Co.	641
		Poehlmann Bros.	646-58

Pollworth Co.	659	Smith Co., W. & T.	640
Quaker City Machine Works	663	Southern Wildwood Co.	649
Randall, A. L.	646	Sprague Smith Co.	664
Rawlings, E. I.	660	Stern & Co., J.	628
Rawson & Co.	641	Stewart, S. B.	649
Raynor, J. I.	645	Stoothoff, H. A.	661
Reed & Keller	628	Studer, N.	636
Regan Ptg. House	628	Stumpp & Walter Co.	641
Reld, Edw.	643	Suzuki & Iida	641
Reinberg, Geo.	646-58	Swanson, Aug. S.	648
Reinberg, P.	626-46-57	Syracuse Pottery	665
Rice Bros.	643	Thorburn, J. M. & Co.	611
Rice, M. & Co.	628	Thornhedge Greenhouse	640
Ridge Lawn Greenhouses	647	Tobacco Warehousing & Trading Co.	661
Riedel & Spicer	644	Traendly & Schenck	645
Robinson & Co.	628	Vesey, W. J. & M. S.	649
Rock, W. L.	648	Vincent, Jr. R. & Son	639
Rockland Greenhouses	647	Virgin, U. J.	649
Rohrs, Julius	635	Vredenburg & Co.	640
Rupp, J. F.	649	Wagner Park Conservatories	659
Ryerson, U. C.	660	Weber, F. C.	648
Saltford	648	Weber & Sons	656
Saltford, Geo.	644	Weiland, M.	645
Sampson, Wm.	645	Weiland & Risch	646
Schmitz, F. W. O.	628	Whitton, C.	647
Schultheis, A.	658	Whitton, S.	650
Scollay, J. A.	664	Wiegand & Sons	648
Scott, John	659	Wielor Bros.	646
Scott, W.	648	Wilks Mfg. Co.	662
Sheridan, W. F.	644	Williams Co., F. R.	643
Shibeley	648	Winterson Co., E. F.	658
Siebert, C. T.	663	Wittbold Co.	645
Siebrecht & Son	648	Young, John	644
Sievers & Boland	648	Young, J. W.	647
Sinner Bros.	646	Young & Nugent	644
Slinn, Jr. B. S.	644	Zirngiebel, D.	639
Smith & Son, N.	649		

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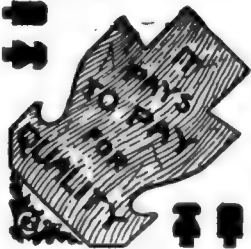
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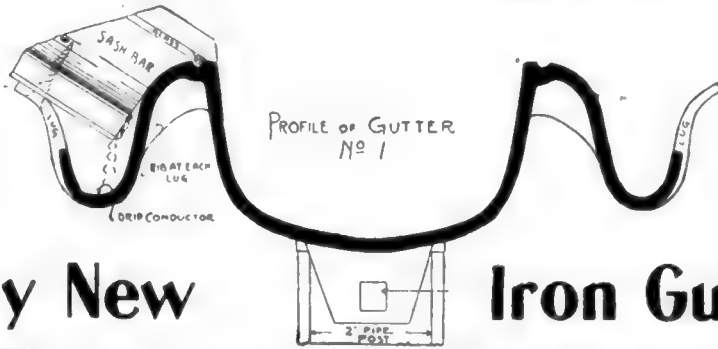
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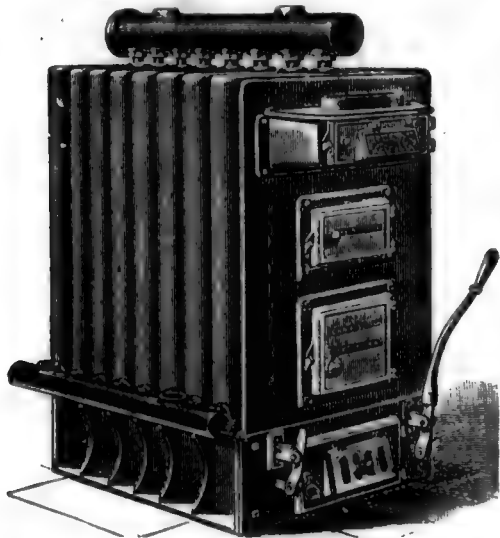
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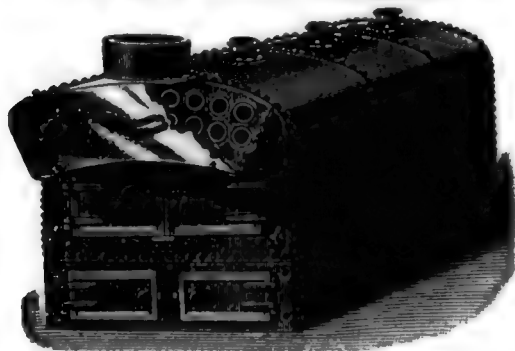
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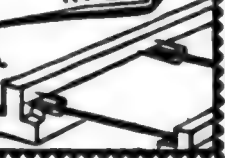
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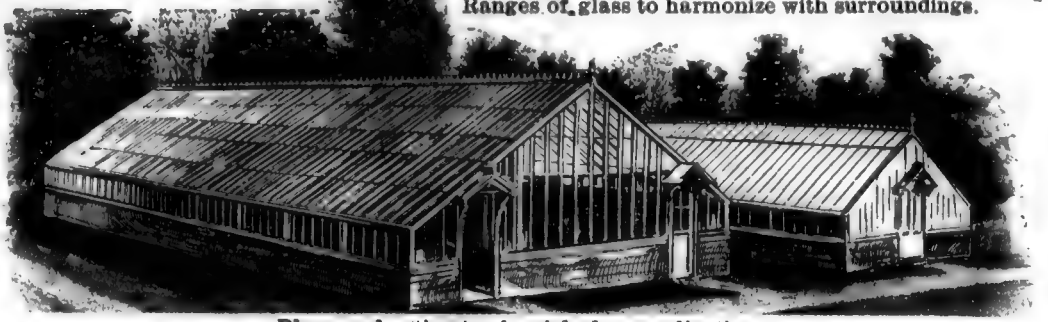
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A JOURNAL FOR FLORISTS, SEEDSMEN AND NURSERYMEN.

FLORISTS' PUBLISHING CO., 520-535 Caxton Building, CHICAGO.

Vol. XII.

CHICAGO AND NEW YORK, SEPTEMBER 17, 1903.

No. 303.

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L. Candidum, Harrisii and Longiflorum, Callas, Freesias, Romans, Paper White Narcissus, etc.

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W. W. BARNARD & CO., SEEDSMEN, 151-153 Kinzie St., CHICAGO.

MISCELLANEOUS SEASONABLE HINTS.



Beware of Early Frosts.

Already there are rumors of frost in the northwest and we must expect it to travel eastward. While our seacoast cities on the east and south may, and more often do, escape all frost until early November, we in northwestern New York rarely escape a frost at the end of September or in the early days of October. And I have known, in this little village from which I am writing, a killing frost on September 19, and the remembrance of all this tells us to be prepared.

There is nothing gained, in fact, a big risk is run, by resting easy and leaving tender plants out of doors until you feel the cold spell coming, for then they are hustled indoors in great confusion. Azaleas, acacias, metrosideros and any of those hard-wooded plants that you summered over out of doors should be in by September 25. There is nothing gained by leaving them out. That useful plant, the sweet stevia, should be lifted at once and potted firmly and stood in the shade out of doors. It is most valuable at Christmas and therefore should be kept outside as long as possible, yet it does not want a single degree of frost and indoors thrives in 40 degrees at night. A few plants of the best kinds of acalypha should be lifted and put under glass. They lift well and some of them may be useful for decorating, and after the holidays they can be cut down and will give you cuttings of the right kind. It should not be necessary to say that a few plants of such things as ageratum, feverfew, lobelia, and any plant that you can increase rapidly during winter and spring, should be potted and taken care of. A few old plants of these are far better than propagating just now. *Salvia splendens* and its improved dwarf varieties make a splendid show if lifted, and the flowers are often found very useful after frost has cut off everything outside, and the cut-back plants give you the best cuttings.

The hydrangeas are best outside for some time yet, as a few degrees of frost does not hurt them. It ripens the wood and prepares them better for forcing. In mentioning a few degrees of frost it is well to remember that the effect of, say three degrees of frost depends altogether on the previous weather. If we have had a few nights down almost to freezing, the plant is able to endure two or three degrees when it does come; but if there has been no night lower than, say, 45 degrees, and it has been moist and the plants are still growing, then a sudden freeze is most disastrous. I have seen just such conditions prevail and have suffered by being "off my guard."

Propagation.

Perhaps some people still propagate verbenas and petunias in the fall. Of course, it is the only way to perpetuate named varieties of these pretty bedding plants; yet I do not think it worth doing. You can buy seed of verbenas equal to any named varieties, save room and labor and have much healthier plants; and the same with petunias.

I told you in the spring to pot up a few plants of lemon verbenas, lantanas and heliotropes and plunge them outside in a frame. Hope you have done so, for they neither propagate nor lift at all satisfactorily from plants that have been in the ground. A partial rest, when brought in, of a month or two, and then a shortening back of the wood will give you cuttings that will easily root, of both the lemon verbena and the lantana. The heliotrope must be kept shifted and growing or it will get rusty.

Lilies for Early Forcing.

We put our earliest arrival of Bermuda lilies in a frame this year and covered with two inches of loose, decayed manure, just to keep them from drying out every day. They don't all start at once, but as fast as the growth is up through the manure the latter is shaken off, and the plants brought into a bright,

warm bench. The man who grows for retail does not want them all in at once. A hundred or so, which were brought in two weeks ago and will be kept at 60 or 65 degrees when firing is necessary, should be in flower by the middle of November. As fast as you can select a hundred that are well started bring them in at intervals of two weeks. The common greenfly is their greatest enemy and they get so deep down into the crown of leaves that it is difficult to fumigate enough to kill them. So a very weak solution of some nicotine preparation must be applied to keep down the aphids.

The Dutch Bulbs.

The tulips will soon be arriving, and if you want very early flowers you must get some into flats as soon as you receive them. A small proportion of your import order will do. The bulk can wait for a month. No better place can be found for the flats than out of doors, covered with three or four inches of soil. I shall have more to say about these bulbs later on, but will just say now that as soon as put in the flats they must be well soaked, and unless the weather is unusually wet, the soil that covers the flats must be soaked once a week. If the soil in the flats be allowed to remain dry, little root growth is being made, and without roots you can't force.

WILLIAM SCOTT.

NEW YORK'S GREAT HALL.

The Chrysanthemum Society of America will have the finest exhibition hall in the United States at its disposal for its second annual show, to be held at New York, November 10 to 12 in co-operation with the American Institute. Arrangements have been made for the use of Herald Square Exhibition Hall, on the ninth floor of the magnificent new Macy building, Broadway and Thirty-fourth street, where there are nearly 70,000 square feet of space on one level floor, arched by a beautiful dome of glass. The location is one of the very best in the city, as all lines of transportation converge at this point, and the hall, specially built for this class of exhibitions, is reached by a splendid battery of a dozen express elevators. For the handling of exhibits there are two immense freight elevators, each built to carry a loaded truck and team.

The premium list for the exhibition insures a good display, for the prizes are



Herald Square Exhibition Hall, New York, where the American Chrysanthemum Society's Fall Show will be held.

liberal and much interest is manifest. President Arthur Herrington is using his best endeavors to forward the preparations. He has secured the co-operation of many of the horticultural societies in the east and this will go far toward getting together the great amount of choice material necessary to fill so vast an area.

ROSES.

Seasonable Hints.

Roses which were planted during June should now, if they have been properly handled, require their first mulch. The feeding roots should now be so close to the surface that stirring the surface will do them an injury. To receive full and immediate benefit from the mulch it should be made fine by passing it through a 3/4-inch screen. In this form it is more easily assimilated, and does not require so much material to cover the surface as if used in a rough state.

One-half inch in depth is quite sufficient at this season if the material is

rich enough, as it is better to apply lightly and frequently than to run any risk of souring the soil by putting it on too thick.

As the season advances and the demand for Beauty buds increases there is ever present the desire to cut with as long stems as possible and a warning to young growers against this practice is seasonable. Cutting too close denudes the plant of too much foliage, bringing about a check to root action which causes them to assume a hard and stunted form which they usually retain till spring growth commences.

When cutting Meteors and Kaiserin it is advisable to leave at least three or four fully developed buds on the strongest stems, thus assuring a plentiful supply of foliage to keep the roots in activity and lessen the tendency to take advantage of a winter's rest. To get an early supply of long stems on Golden Gate and Ivory a constant supply of fresh food in the form of mulch will be necessary until it is safe to apply liquid food.



CARNATION NOTES—WEST.

Seasonable Treatment.

After you have your carnation plants started to growing in good shape, the supports in place and, of course, the beds cleared of all weeds and dead foliage, and a mulch spread on, there is not a great deal to do until the next support is needed and disbudding begins. As I have said before, we allow some of the stronger plants to bloom soon after they are established, only pinching those plants that are a trifle undersized. Of course we do not allow all the varieties to come into bloom so early, as many sorts will produce only worthless blooms while the weather is very warm. Flora Hill and Crocker and, in fact, all the good summer bloomers, will do all right, but most of the reds, Mrs. Lawson while the stem is short, and many others, had better be kept from blooming for a few weeks yet.

We do not top the shoots so young after the plants are housed as we do out in the field. The growth is naturally softer and if you top the young soft shoots the beaks are apt to come weak. We allow them to form the bud and grow until the bud is half grown before topping. By that time the side shoots usually have started of their own accord and they come away strong. Take the shoot off well down toward the body of the plant, especially if the variety does not naturally grow bushy. Always aim to keep the body of the plant compact, whether you merely top to prevent blooming, or when you are cutting the blooms later on. Allowing the buds to remain on the plant so long also gives you a chance to let them come into bloom quickly, if the weather should turn cool or the market demand the blooms. Don't forget that following the first killing

frosts and up to the chrysanthemum season there is always a good demand for carnation blooms, especially white ones. Be ready to supply that demand when it comes.

This is a good time to begin preparing your carnation soil for next season. Carnations like a well composted soil. As has been said before in these notes, the best way, if you have your own ground and teams, is to select a piece of good heavy sod and plow it up to a depth of six inches, leaving it over winter in a rough state, just as it was plowed. Toward spring, while it is frozen on top enough to hold up a wagon, haul on it a covering of two inches of good manure. Cow manure if you can get it, otherwise use stable manure with straw bedding. If the soil is quite heavy, I would prefer the latter, but ordinarily I prefer the cow manure. Early next spring this should be hauled into a pile where it will be convenient to the houses when you want to refill them.

Many growers, however, have to depend on getting their supply of soil from whatever source they can, very often taking the top soil from a new street that is being opened up. In such cases you are obliged to pile it up, and I don't know but what it is just about as good as the former. Dump a layer of soil about eighteen inches deep and spread four inches of manure over it, after which alternate with layers of soil twelve inches deep and manure in layers three inches deep. Allow this pile to lie until early spring, when it should be turned over and mixed and again a few weeks before you begin to use it.

Now about the old soil you took out of your houses. There are many growers who raise nearly all cut flowers and the disposition of the old soil is almost as vexatious as securing the new. Those who raise bedding and a general assortment of pot plants can use much of this soil, but the cut flower specialist can't do that. If you have an empty lot where

you can spread it out to a depth of about one foot you can get this soil back into a usable condition in about three years' time, and with not very much work. Of course you did not mix the old plants in with the soil. We always take them out first and burn them, to destroy any red spider, thrips or disease with which they may be afflicted. After spreading out the soil sprinkle well with slaked lime or wood ashes and sow down in rye and leave until spring, when I will have more to say about it, I hope.

A. F. J. BAUR.

PRICE FOR CARNATION CROP.

Several readers having inquired as to equitable terms for a season's contract for a crop of carnation blooms, one of the large growers shipping from Chicago gives us the following on the subject:

We have often been asked to set a price on carnation blooms for the entire season. Seven or eight years ago the writer did make contracts which he lived up to, furnishing blooms during December, January and February at only half the price they would have brought had they not been contracted for, and as soon as the spring glut came on the other parties of the contract commenced to find fault with every shipment, wrangled that they were getting the worst of it, and eventually threw up their hands and refused to pay the agreed price, thereby breaking the contract and teaching us a lesson we shall not soon forget. If we thoroughly knew our man, however, we would be willing to furnish first-class blooms of the following varieties for the entire season, commencing October 1 to July 1, at these prices:

	Per 100.		Per 100.
Prosperity	\$4.50	Enchantress	\$4.50
Apollo	3.00	Estelle	2.75
Queen Louise	2.25	Norway	3.00
Lawson	3.00	Roosevelt	2.75

In years past we could have made a reasonable profit for a good deal less figure, but not since the price of glass, lumber, real estate, wages, coal, pipe and all other supplies have advanced so much, to say nothing of the extra care and labor now given the plants, and which we are compelled to give them if we are to compete with the high grade quality now being put on the market.

Another way to set a price is as follows:

Month.	Prosperity. Harlow's Enchantress. Adonis.	Apollo. Palmer. Lawson. Nelson.	Croc. Estelle. Roosevelt.	Wolcott. Norway. H. Majesty.	Cloud. Hill. Lorna. Louise.
Oct.....	3 cts.	1 1/2 cts.	1 1/2 cts.	1 1/2 cts.	1 cts.
Nov.....	4 " "	2 " "	2 " "	2 " "	2 " "
Dec.....	5 " "	3 " "	3 " "	3 " "	3 " "
Jan.....	6 " "	4 " "	4 " "	4 " "	4 " "
Feb.....	6 " "	4 " "	4 " "	4 " "	4 " "
March.....	6 " "	4 " "	4 " "	4 " "	4 " "
April.....	6 " "	4 " "	4 " "	4 " "	4 " "
May.....	4 " "	3 " "	3 " "	3 " "	3 " "
June.....	3 " "	2 " "	2 " "	2 " "	2 " "
Ave.....	4 1/2 " "	3 " "	3 1/4 " "	3 " "	2 1/2 " "

I am inclined to think the latter method the best. It is understood that every carnation is a good one, no weak stemmed, off colored ones or bursted calyxes. I think any fair minded grower or retailer will agree that the above prices are very fair to both parties when only first-class stock is taken into account.

Albert M. Herr, secretary of the American Carnation Society, says that for such varieties as Apollo, Prosperity, Enchantress, Estelle, Queen Louise, Norway, Lawson and Roosevelt, at least \$4 per 100 should be asked for a contract price from October 1 to the week after

Easter, if the price is to include the holiday crop, and after Easter the price should be cut fifty per cent and if carried over Decoration day it should again be cut fifty per cent, making a flat rate of \$1 per 100 for summer blooms. Queen Louise might be grown for about half these figures, but the others will be losing ventures for any less money.

CARNATIONS REGISTERED.

Jerome A. Suydam, Flatbush, N. Y., registers Carnation Amaze, an A No. 1 commercial scarlet; it will stand the heat of the sun without losing its brightness, is of good size and has an excellent stem. One of the best bloomers we have ever grown and we have failed to see a bursted calyx. ALBERT M. HERR, Sec'y.

CHRYSANTHEMUMS.

Watering.

As the days begin to get shorter and cooler, more attention should be paid to the watering. The plants have made a heavy growth of foliage and the sun can no longer penetrate to the soil to dry out the beds, as it did during the earlier months. Let the soil get somewhat on the dry side and then water thoroughly and it will be some days before the operation need be repeated. It is a great mistake to be giving the beds light surface watering every day or so, because this method rots the tiny root fibers and the plants do not keep moving along as they should.

It will often happen that the sides of the bench where the sun can reach will be dry, while the center of the bed is plenty wet enough. Water along the sides with a light stream and do not turn the water on full force; then the bed will be evenly moist all through. It is always in the center of the bench where leaf spot commences when water is indiscriminately given.

Syringing, also, should be now done only on bright days, so that the foliage is always dry before night, or mildew will make its appearance; in fact, it is already showing on some varieties because of the very wet August. Spraying with the potassium solution, as previously noted in these columns, will check the spread of mildew and not disfigure the foliage to speak of. One cannot afford to dispense with syringing altogether yet, on account of the red spider, though I believe the plants would otherwise be better off without it.

Insects.

A careful examination of the buds will find some of them infested with black or greenfly. Blackfly will often be found in colonies on the under side of the foliage also, when the grower had thought that his plants were clean and right. Fumigation is the quickest way to kill fly, and in our experience the tobacco dust burnt in the house is just as effective and far safer to use than tobacco stems. If the young foliage is burnt now it seriously impairs the value of the crop, as it will show all around the edges when the leaf is developed. Fumigate at night and get the house opened up before daylight so that the smoke is all gone before the sun gets up; then the foliage is not nearly so likely to be injured.

Where some of the buds are badly infested with greenfly and smoking does



Seedling Nymphaea James Gurney, at Tower Grove Park, St. Louis.

not seem to be effective, get some tobacco dust and shake it thickly all over the bud, working it into all the little crevices of the hard, husky covering. The dust will smother every fly and I have always found it effectual, without injuring the bud in the least.

Grasshoppers are few and far between this year, which is a blessing, for they have a fondness for cutting the young, tender bud off from its parent stalk and leaving profanity in their wake. Get up at daybreak, if they are troubling you, and catch them while they are in a semi-comatose condition. Later in the day, when the sun is out, they move too briskly to be easily captured. There seems to be fewer insects on the plants this year than for some seasons past, and for this relief we are duly thankful.

BRIAN BORU.

NYPHAEAE JAMES GURNEY.

Many good things have emanated from Tower Grove Park, St. Louis, where they have a new seedling nymphaea, called James Gurney, whose parents are N. O'Marana and N. Frank Trelease. It has large bronze leaves, more fringed than its parents, and large, beautiful pink flowers. Anyone who sees it can forget all the other varieties. Phil Gobel, who has charge of the pond, and James Gurney, the head of the park, are very proud of their new find. Tower Grove Park is also the home of the grand new salvia, St. Louis, and the beautiful Stella Gurney ageratum. The park is looking better than ever. Mr. Gurney laid it out in 1863 and has been at its head ever since. He planted every tree in the park but three. J. J. B.

ELGIN, ILL.—Theo. Schroder has opened a cut flower store at 137 Chicago street. He also handles candies.

"AT BUYER'S RISK."

We were much interested in the matter under this heading in the REVIEW of last week, for, like a good many others, we have, we fear, lost standing with certain wholesale houses because we refused to pay the bill in full when we were not satisfied with the stock received. It seems that legally we were in the wrong, and should have had to pay if collection had been pressed, but is it justice to ask the buyer to stand losses for which he is in no way responsible? Does he not suffer enough loss when stock reaches him in such condition that it cannot be used? Very likely he loses a customer.

Perhaps it is too much to ask that a wholesaler admit that he sent out stuff not fit to travel; we will grant that the shipper sent fresh stuff. If the express messenger puts the box on the steam pipes and the carnations go to sleep, is it right that the disappointed buyer be made to pay the bill and waste as much more in time trying to get his money back from the express company?

We don't suppose that the time will ever come when the wholesaler can afford to guarantee the arrival of his goods at destination, for such a practice would let down the bars for all sorts of unfair claims, but it looks to us as though the wholesaler ought to meet the buyer half way in these matters. Certainly the buyer cannot be expected to keep on ordering if he finds little but useless stock, and a bill, when he opens the box, and this is only a little less true if somebody else stands the loss. The shipper may not "guarantee" safe arrivals, but just the same they have got to arrive safely if the business is going on.

The introducers of novelties may talk all they want to about size and color, calyx and stem, the societies may judge 'em by scale to any figure they please, but the important thing in a flower now-

adays is keeping quality. Given ever so fine a flower that doesn't stand an overnight run and it is worse than useless in these days of wide distribution. The

grower whose stuff will stand up is the one who will get the business, and he won't have any arguments as to whose risk the box travels at. P. & D.

State Vice-Presidents' Reports.

The reports of the S. A. F. vice-presidents are, in the aggregate, so voluminous as to preclude their publication in full. The following are the salient points in the reports for the states mentioned.

KANSAS.—The past year has been very good for florists of this state, but I have not been able to get many florists interested in the S. A. F.—A. H. WHITCOMB.

MARYLAND.—Very few florists have increased their facilities for growing stock and very little building of greenhouses has been done. It seems as if all interest in the S. A. F. is centering upon next year's St. Louis meeting.—C. L. SEYBOLD.

MISSOURI.—Our trade has increased on an average of twenty-five per cent over last year, and the prospects are very good for the coming fall and winter. The wholesaler, retailer and grower alike say that the past season was the best they ever had. There has been much building to increase facilities.—C. A. JUENGEL.

NEBRASKA.—Trade has been steady and satisfactory in all lines. There has never been much surplus stock and as a consequence the florists are enlarging their plants, and others are building up new fields. Nearly everyone is putting the money he has made back into new improvements and buildings.—LEWIS HENDERSON.

MASSACHUSETTS.—There is a steady demand for summer roses which cannot be met. Lawson is perhaps the favorite carnation, with Prosperity, which colors well here, a close second. Considerable quantities of the new varieties will be tried this season, and the stock looks well in spite of the excessive rains.—A. J. LOVELESS.

KENTUCKY.—The production of first-class stock is on the increase, but not nearly enough to supply the demand. Especially noticeable is the call for hardy ornamental stock for the many modern places which are being laid out near Louisville. Quite a few thousand dollars still go out of Kentucky for stock that could readily be grown here.—A. R. BAUMER.

IOWA.—Since the last convention 125-700 square feet of glass have been added to floral establishments by those who have responded to my inquiries, and I suppose those who have not reported have been equally prosperous. More than half of those in the trade report an increased demand of ten per cent to twenty-five per cent for hardy perennials and ornamental shrubs.—WESLEY GREENE.

CONNECTICUT.—The general experience seems to be that the advanced prices charged did not decrease the demand for cut flowers and plants, and that there was quite a scarcity of cut flowers at certain times. John Reck, of Bridgeport, strongly advocates the growing of a greater variety of bedding plants as a

means of preventing over-production in this line. The geranium at present constitutes seventy-five per cent of the stock sold. Begonias in all their different varieties, are greatly admired where they are grown, and the demand for that class of plants would surely come if florists would make an earnest effort to grow and introduce them.—THEODORE WIRTH.

RHODE ISLAND.—Business in general the past season has been good, with better prices and less surplus stock than in former years. This state still produces more stock than is needed at home but a ready market is found in Boston. Several establishments contemplate building, and it is interesting to note that the aim seems to be to erect modern houses, as it is apparent that fancy stock is in demand.—L. J. REUTER.

INDIANA.—In cut flowers, the demand for carnations has increased fifty per cent, while the call for roses remains about the same, or perhaps on a slight decrease. The public is always willing to pay a fair price for first-class flowers arranged in an artistic manner. The Boston fern takes the lead among decorative plants, with kentias and rubbers a close second, but I predict a larger demand for the beautiful Pieroni, when it can be grown and offered at a reasonable price.—W. W. COLES.

GEORGIA.—The past year has been the best on record. In cut flowers, roses will always be the leader, carnations next, with chrysanthemums a close third. The demand for decorative stock, such as palms, ferns, rubbers and fancy-leaved caladiums is growing enormously, but summer bedding plants, such as geraniums, heliotropes, lantanas, salvias, coleus, etc., are losing their popularity. The majority of the planters when ornamenting home grounds are using hardy stock, such as broad-leaved and coniferous evergreens and flowering shrubs.—L. A. BERCKMANS.

NEW YORK.—What looked like a very serious matter last fall was the fuel question. At present the outlook for coal is brighter, but sooner or later this question will become a problem. Will the Society of American Florists be able to solve that problem, or could not something be done even now to prevent a recurrence of the conditions we all experienced last fall and winter? Some may think the influence of the S. A. F. is not sufficient and far-reaching to attack the forces that control the fuel supply, but we should remember the splendid results that were achieved by a united and prolonged attack on the express companies when they raised their rates without warning.—C. H. KIETSCH.

NEW JERSEY.—This is the most favored state in the union for the promotion of floriculture and ornamental horticulture. Greenhouse building is going on, especially among the rose growers, but the high prices of material have limited the building to a considerable extent. The general sentiment is to take good care of what we have, and wait for expansion until a more favorable time. The year has been one not without its difficulties, but on the whole the florists of the state have been successful financially.—W. B. DURIE.

NEW HAMPSHIRE.—There is a steadily increasing volume of business in the old Granite state. The exceptionally high price of coal last winter made a few small places go under, but our live florists increased the price of stock twenty-five per cent, which was willingly paid and more than off-set the extra coal bill. Wm. Elliott, at Madbury, I hear is contemplating the erection of another 800-foot house for American Beauties, alongside the one already established. A market gardener in Portsmouth built a house 40x200, and a New Castle florist nearby put a handsome addition on to his place, which represents a good deal of money, ridge and furrow style, with iron gutters, iron posts and other modern improvements.—BERNARD MORRIS.

OHIO.—The local supply of cut flowers was entirely inadequate last season, and outside markets had to be drawn upon to supply the demand, yet in the face of these prosperous conditions less building has taken place than the previous year; this is probably due to the increase in the price of material. Carnations are in high favor and being more largely planted, most of them benched very early. Much complaint has been heard from those who purchased the new and high-priced varieties and received cuttings with few if any roots, and covered with rust or spotted with bacteria. This is bad practice. In roses, Beauty has taken a decided jump and more are planted than ever before. Liberty has proved a failure. Growers increased their orders for bulbs on the strength of last season's profits. Palms have been slow sale but it is wonderful how the sale of Boston ferns keeps up.—ISAAC KENNEDY.

THE TORONTO EXHIBITION.

Following close on the heels of the C. H. A. convention comes the annual exhibition of plants, flowers and floral work at Toronto. On account of this year's exhibition being on a more elaborate scale than previously, it was expected that the horticultural exhibit would be much larger than last year. This can hardly be said to have been the case, although the exhibit was a good one, especially in plants. A more commodious hall is badly needed, and, as new buildings are being erected yearly it is expected that the florists will get at least a "look in" next year.

For the best group of plants arranged on space not more than 250 square feet the prize was awarded to Ernest Collins of the Horticultural Gardens. The other prize winners were John Chambers, of Exhibition Park; Wm. Houston, Central Prison; The Government House, Grainier Bros., Manton Bros. and Jay & Son.

In the cut flower department, on the rose and carnation entries J. H. Dunlop carried off first prize and Toronto Floral Co. second.

In made up work competition was keen

and some very close judging was necessary. For the large piece, a floral chair exhibited by J. S. Simmons was awarded first. This was a very fine piece and was freely commented upon by all who saw it. The flowers used were inexpensive but were used to good advantage and it was finished off with two doves and baby ribbon. A large bow of mauve ribbon hung over the back, with the word "vacant" in hand-painting.

The second prize was awarded a piece made up by H. G. Dilleuth, of Dunlop's. This was a standing lyre and was a magnificent piece, the base being composed of light gladioli, white lilies and roses, with a bunch of orchids on the front base. The lyre itself was made of roses, carnations and valley.

Third prize was awarded a large broken column exhibited by Geo. Brown, which was made of asters, lilies and American Beauties, and was much admired.

On small design, which calls for a wreath not over 16 inches, the first prize went to Geo. Brown. It was made of roses and valley. Second went to J. S. Simmons and third to J. H. Dunlop.

In other lines, the honors were fairly well divided, W. Jay & Son, The T. Eaton Co., and others exhibiting some very nice work. D. J.

RETURNING THE CONDENSATION.

The following is an extract from an address by R. W. King, of Toronto, before the Canadian Horticultural Association, September 2, 1903:

The heating of greenhouses in our northern climate is always more or less a "burning" question, with fuel very dear. The speaker's particular fad at the present time is boilers above ground. The placing of greenhouse boilers in a hole, sometimes called a cellar, is one of the inherited evils of the hot water system. You can keep your hot water boiler in a hole if you will, but place your steam boilers above ground. To obtain proper economy from a steam heating plant extended heating surfaces are required, with economizers and piping of more or less complicated nature, the proper care and preservation of which requires room to get at it, and a dry location, if the full life and economy of the plant is to be obtained. I will not enlarge on this point, but refer briefly to means for returning the condensation to the boilers. I do not personally consider that steam traps are the most successful. They require, if the lift is at all high, considerable pressure to operate them, which is not easily available in a low pressure plant.

In cases where high pressure auxiliary boilers are used in connection with heating plants, for the driving of automatic stokers and coal conveying machinery, as at the Dale estate at Brampton, a ready means is at hand for operating an ordinary steam pump to enforce returns; and this has been utilized for some years at this establishment with success, thus removing the only necessity, in that case, for having placed the original boiler plant under ground. For a small amount of power, high pressure is not necessary. In plans executed last spring I place in the main steam pipe just after it leaves the boilers, a back pressure valve, to be loaded down to, say, five pounds, thus, as soon as any steam at all is raised it runs to five pounds before any can enter the houses. From the boilers direct is led a steam pipe to a low pressure steam



Pillow of Carnations, with Cycas and Auratums.

pump, guaranteed to run at five pounds and under. This exhausts its waste steam into the heating pipes, so practically none of its heat is lost. No matter what the pressure carried in the pipes, the pump will always have the weight placed on the low pressure valve in its favor, which can be regulated to requirements. As a proof of the practicability of operating low pressure pumps, although their arrangement is not the same, I wrote to two gentlemen who I learned had experimented along these lines. S. S. Bain, of Montreal, referring to his low pressure return pump, says: "Three pounds of steam works this pump; indeed, we find that whatever steam is in the boiler works the pump. It has given me every satisfaction." Wm. Gammage, of London, referring to his low pressure return pump, which has been in operation since 1898, says: "The pump has given us the best of satisfaction; in fact, it will work most of the time with from one to three pounds on the gauge."

Some of the objections that have hitherto been raised to the method of returning condensation by means of pumps are reasonable when we consider that in many steam heating plants, when used to their full capacity, it is often impossible to raise any pressure that could be relied upon to keep a pump in operation. For this reason in some instances a small independent high pressure boiler is used for the purpose of driving the pump. This occasions considerable extra care on the part of an attendant. In other instances, where the necessary pressure is maintained on the whole system, the pump discharges steam into the atmosphere, representing so much waste fuel.

In the system now recommended neither of these objections occur. The use of a back pressure valve causes two pressures to be made. The pressure on the boilers being always five pounds heavier than that used on the heating system. Supposing there was no pressure on the heating system whatever, there would still be five pounds on the boilers, or whatever pressure you may please to set the valve to carry. In fact, no heating at all can be done till this pressure on the boilers is raised.

With a properly constructed pump, cor-

rectly set, there should be but little more need for watching than in the case of a gravity system. The speaker holds that in any plant to be left without a watchman, electric alarms should be installed, so that the drainage could not occur without an alarm being given. In fact, he believes that a thorough system of electric alarms, with means of ascertaining temperatures in all parts of the houses as well as to automatically place the same on record at a single station, will some day be considered essential to every first-class florist's establishment.

PHILADELPHIA.

The Market.

Despite the midsummer weather of mid September, business has continued to improve. The music of the telephone, the ring of the hammer and the hum of voices enliven the commission houses and the Flower Market. The work of the decorator has begun in earnest. Hugh Graham had charge of the adornment of four large department stores' fall openings, Gimbel's on Saturday and Lit's, Suellenburg's and Partridge's on Monday. Wild smilax, gladioli, dahlias and even fine Beauties were freely used.

There has been a lively demand for fine roses. Dahlias are seen everywhere in profusion. The wet weather has made this a poor aster year for the outdoor-grown stock, but seems a good one for the stock that reaches town in fit condition. Carnations are still scarce.

Business Notes.

There are several items of more than usual interest to the street this week. One comes from President Heacock and Manager Meehan, who state that the Flower Market will make weekly payments with the beginning of their new year, October 1. The plan is, wait two weeks and then send a statement and check to every grower each week, the one week's delay being necessary to make up the books.

Another item of especial interest is that Joseph Bevis & Son have just begun supplying Brides, Maids and Liberties to Leo Niessen. This firm has for several years grown exceptionally fine

roses, which until now they have peddled.

Another item, not new but not generally known, is that Edward Reid has secured the stock of William Munro, now of Lansdowne, who made such a high reputation for himself with Myers & Samtman, and with Robert Scott & Son.

Dahlias at Atco.

I visited Atco last week at the request of Mr. S. S. Pennock, who receives quantities of choice dahlias from there, where I was much impressed with the seventy-one acres of dahlias, their vigor and freedom from weeds. The farm contains four shops and packing houses, two root cellars, besides pot sheds, offices, a number of frames, and 15,000 feet of glass, fully equipped and heated by steam, with two steam pumps, windmill, etc., between 200 and 300 acres of land. I cannot give a better description of the place than that written for me by the proprietor, Mr. Peacock, at my earnest request, as follows:

As I stated, we are growing a million of dahlias on seventy-one acres of land. We plant generally rows four feet apart, and one foot in the row, although we are forced this year for want of land to plant the rows a little closer, and as close as six inches apart in the row.

I am very sorry that your time was so limited that you could not go over the entire place and note carefully the leading varieties of the particular types. The dahlia exhibition to be held September 15 and 16 we expect to be the finest of the kind ever held in this country, and I trust to see you there, when you can get the names of the leading varieties. I will also be very glad to give you any further information at any time throughout the season, as I believe it would be a good thing for your paper to push dahlias along. As I stated, today, they are practically the only flower at this time of the year, and owing to the great diversity of forms and types, as well as complete ranges of forms and colors in each of those types, they fill all wants between summer flowers and chrysanthemums.

At the present time the show, fancy and pompon dahlias are the most valuable, as they will carry better and keep longer during the hot weather. We will speak, therefore, of the present need first; a little later, however, as the weather becomes cooler, the decorative, cactus and single dahlias will carry perfectly and keep in good condition for several days. It is impossible to state which is really the most beautiful or the most useful, as it depends entirely upon individual choice, because, as stated above, there is a complete range of colors in every class. In this way the parties liking the little bouquet, or pompon dahlias, are treated to fifty to one hundred perfect little gems, embracing every color, tint or shade, or combination of shade that is to be found in the large show. These little fellows have long, slender stems. They grow dwarf, of branching habit and are cut in sprays of full open flowers, half open flowers, buds and foliage, making them most graceful and attractive. These are used for every purpose, and are the favorites of many.

Then again, the large show dahlias, when cut on stems from two to three feet long, are invaluable for vases and heavy decorative work. They are also valuable on account of their wonderful formation, with their quilled, cupped and incurved petals. This formation, how-

ever, is very stiff and formal, and outside of massing for color effect, etc., are not admired by many, although they are the general favorites in many sections and as a matter of fact outsell any other class, because it is the only class that is universally known. This is the original double dahlia.

The fancy type is similar to the show dahlia in every way except color. I would say right here that the show dahlia is an all-around full double flower, of close formation and of solid color or tipped darker than the ground color; while the fancy dahlia is either striped, tipped, margined, or penciled two or more colors, or tipped lighter than the ground color.

The cactus dahlia, as soon as it is as widely known as the show dahlia, will be the universal favorite. It is an entirely distinct formation. The petals are long, generally straight, at other times incurved and presenting the most irregularly regular appearance imaginable, if this term will be allowed. They embrace a complete range of coloring and there are now a number of striped, tipped and blended varieties. The formation of the cactus dahlia is such that the colors show to a much greater advantage than in the show or fancy. Up to the last few years, the cactus dahlias have been indifferent bloomers, excepting in a few varieties which have very short stems. Lately they have been blooming much more profusely, blooming in fact as early and as profusely as the show dahlias, but their main drawback has been a weak, drooping stem. This has been overcome the last year or two and we now have a few cactus dahlias with strong stems and the flowers face up, and at the same time they have such substance that they will keep as long as show dahlias after being cut. These are the most valuable ones, and I predict inside of five years that the cactus dahlia will be as widely known as all other classes combined.

The decorative dahlias are intermediate in form between the show and the cactus. They have the loose, open outline, in many cases irregular. The petals are sometimes pointed, sometimes incurved, and mostly reflexed, although in some cases, like Wilhelm Miller and Grand Duke Alexis, they are quilled. They are of the largest size, especially in such types as William Agnew and Clifford W. Bruton. The color is the grandest. With a very few exceptions they are all self-colored, but clear and vivid among the dark varieties and exceedingly delicate and chaste among the lighter ones. They are extremely early and profuse bloomers and continue in bloom the entire season. As their name would imply, they are the most valuable for decorative purposes, as they are strong, vigorous growers and can be cut on long stems.

The single dahlias are rapidly gaining a wonderful popularity. The color of these is marvelous. There is also as much difference in the color and size as among the other classes. We have the single cactus, the stellate, the show, fancy, orchid-flowered, anemone-flowered, the gloria, French collarette, and many other types or sub-divisions which are generally all classed together as single dahlias. A collection of a few hundred varieties of single dahlias in full bloom is certainly a most beautiful sight. The plants grow in height from one foot to ten feet; the flowers in size from one inch to eight inches in diameter. Im-

provement in the single varieties the past few years is wonderful. Most of the older varieties of high growth have been superseded by dwarf, low branching, long-stemmed varieties, and these in turn are now rapidly being superseded by the orchid-flowered or Twentieth Century class. This last bright colored, mammoth-flowered single is now found in all of the colors.

Various Items.

Hydrangeas are about over. C. A. Dunn & Co. were able to fill an order for 1,000 heads of this showy flower on Saturday last.

John McIntyre says that his house (Edward Reid) had a record-breaking day on fine roses this week, also that a shipment made recently to a far distant point, Niles, Mich., reached its destination in good order.

W. A. Murray, Atco, N. J., is sending in some very fine white carnations, Queen Louise, to Samuel S. Pennock.

William Berger, of Germantown, has improved his store and enclosed his office, putting in a Fisher typewriting and billing machine. This machine is very popular in the department stores, proving itself a great labor saver. By its aid bills are made out in duplicate as fast as sales are made, so that bills are ready at any time for the customer and work at the end of each month is greatly lessened.

The September meeting of the Germantown Horticultural Society was held last Monday evening. Peonies and asters were the subjects for discussion. George C. Watson spoke on peonies. He was followed with close attention by those present.

The Pennsylvania Horticultural Society held its dahlia show on Tuesday evening and kept it open all day Wednesday. It was the best and most instructive dahlia show ever seen here, and was greatly enjoyed by all who saw it.

R. G. Palmer had another of his pleasant parties to Doylestown last week. He was accompanied by Leo Niessen and Charles E. Meehan. They report Mr. Palmer's new houses in fine condition, well put together and full of good stuff. While describing John F. Andre's place, Mr. Niessen said to the writer: "He has eight houses averaging about 140x20 feet, all in Brides and Maids, except one in Beauties. Everything looked well; the plants were strong and vigorous, all neatly tied up, beds and walks clean. In fact, you should be happy if your place looks like it; I hope it does." So do I.

B. Eschner, of the firm of M. Rice & Co., returned last Saturday from a very successful business trip through the south and west. PHU

OBITUARY.

John C. Pickelman.

John C. Pickelman, who died at the German Hospital, Buffalo, September 3, after an illness of several months, was well known to older Buffalonians. Mr. Pickelman was 74 years old. In 1854 he came to Buffalo and some time after opened Orchestrion Hall with a big greenhouse adjoining. It was a unique place, frequented by many of the best people in Buffalo. The orchestrion which helped to make it famous cost \$5,580. Mr. Pickelman was born in Bavaria, and came to this country when a comparatively young man. He was particularly

well known on the East Side. He was married twice and is survived by his second wife, three children, and by John Pickelman, the Chippewa street florist, who is an adopted son.

Z. K. Jewett.

The demise of Z. K. Jewett, of Sparta, Wis., is announced. He was a pioneer nurseryman and florist, and was widely known in the trade. In recent years he had done a large business in gathering and shipping sphagnum moss.

CHICAGO.

The Market.

Such a market as we have had this week the stock exchange reporter would describe as "ragged" and "spotty." Some of the houses report nothing doing, but in others, principally those which do a shipping trade, there are evidences of considerable activity. Indianapolis and Cincinnati have been large buyers, a state fair at one and a fall festival at the other occasioning the demand. Small orders from other outside points have also been numerous, showing conditions in this market to be general over a wide territory, for in nearly every case the call was for something on which the weather has shortened the supply. Beauties are wanted, but principally good tea roses are called for, and few are to be had, with simply wagon loads of the short, soft and open flowers encumbering the wholesale houses until jobbed off to the Greeks.

The increase in the orders for asters is also very noticeable. Not long ago, when there were plenty of good asters, the sale was almost entirely local, for all the country buyers had asters of their own, but now that the heavy rains have spoiled the flowers for the out-of-town grower he wires in for a supply, and is disappointed at the quality of the goods he gets, forgetting that it rains alike on the just and on the unjust. There are still plenty of asters here, such as they are, also gladioli. Auratum lilies are again plentiful and longiflorums are to be had.

The carnations are pretty good for so early, good flowers and fair stems, but there are too many poor ones here also. The fall openings are taking considerable stock, both green goods and cut flowers. If the florists through the country would look for this work they would get much more of it and could handle it at a nice profit, getting their supplies in this market.

The cold wave which the weather man has been predicting arrived Wednesday morning, and will do much to shorten supplies of undesirable stock. If the low temperature holds for any length of time there should be a marked improvement in the average quality of roses, although much mildew may now be looked for, many growers not having begun firing in time.

Various Notes.

Peter Reinberg and John Muno will be of a party to go to Sleepy Eye, Minn., next week for two weeks' hunting.

E. C. Amling shipped out 2,000 valley on a single order on Tuesday.

Geo. Harrer, of Morton Grove, is sending E. H. Hunt small quantities of Queen of Edgely rose. It is seldom seen in this market.

There will be a final meeting for the settlement of convention entertainment

accounts at the Union restaurant this evening at seven o'clock. All committeemen and subscribers have been notified to be present.

Wietor Bros.' greenhouses were struck by lightning in the storm last Sunday night, but only a little damage was done.

C. L. Washburn says people who stay in town have no idea of the amount of water that has fallen in the last few days. The fields along the Burlington from Chicago to Hinsdale are all flooded and the rivers as high as during the spring floods. It has practically drowned the outdoor flowers.

D. W. Brant, of Brant & Noe, Forest Glen, has been confined to his bed for two weeks by illness.

A. Dietsch Company has been incorporated to manufacture greenhouse material. Carl Ickes is one of the incorporators; authorized capital stock, \$30,000.

S. Muir has another fine stock of Begonia Gloire de Lorraine this year.

W. N. Rudd is making preparations to distribute his light pink carnation, Phyllis, this season.

Klehms' Nursery is sending in a big cut of auratum lilies.

H. F. Halle has returned from a two months' trip to Germany, but his health does not show the improvement for which his friends hoped.

Henry Payne, of Hinsdale, the "greens" grower, has returned from a fishing trip to Northern Michigan.

The Geo. Wittbold Co. has several hundred very good chrysanthemum plants in 6-inch pots, which they are just moving in from the field, where they have been plunged all summer.

August Jurgens says there was a great call for valley beginning last Saturday. Monday and Tuesday it was impossible to supply the demand.

E. F. Winterson Co. is handling many plants. On Tuesday they got in a full carload of Boston ferns.

J. A. Budlong has 10,000 chrysanthemums in about fifteen varieties, all in fine shape and many showing color. The space will be used for propagating when the flowers are cut.

George W. Wienhoeber says that fall business is starting in pretty briskly.

Clifford Pruner is back at Winterson's fully recovered from his severe illness.

The Beckers, at Rogers Park, are reverting to vegetables.

Fred Klingel, at Peter Renberg's, is again on duty, after an all summer's illness.

H. Hansen, on North Clark street, has most of his carnations housed, all except some Hill and White Cloud, and looking fine. He ships to Bentley & Co.

W. S. Garland, at Des Plaines, says he has had fire in his rose houses nearly every night this summer. His stock shows the benefit.

A. C. Kohlbrand, of E. C. Amling's, has been ill for a week.

Visitors: J. J. Curran, with Von Bochove Bros., Kalamazoo, Mich.; L. Wasserman, Muskegon, Mich.

BUSHNELL, ILL.—E. D. Lauterbach is building a new greenhouse 25x100.

ELDORA, IA.—John Pollard, formerly of Des Moines, is removing his plant to this place.

ATHENS, O.—Simon Brouwer, formerly of Chillicothe, has bought land here and will start in the greenhouse business.

NEW YORK.

The Market.

The long delayed "good old summer time" arrived just as we are reading of frost and snow in the northwest, but here it is and the market is glutted as a result of the hot wave and prices are receding at an alarming rate. Trade is fair for the season, however. The schools and nearly all of the theaters opened on Monday and their influence was evident. Every handsome teacher and actress had a hand in the floral pie, but the market supply was enormous and not even a flurry was created. Asters, dahlias and gladioli are abundant. Violets arrive regularly. Chrysanthemums have begun and there is nothing lacking. Roses are abundant and were of superb quality until the hot weather hit them. Carnations increase in quantity and improve in quality daily and the windows of the retailers are ablaze with color. All the autumn outdoor flowers and grasses are at their best. Hydrangeas and golden rod are much in evidence. He is only an apology for a florist who cannot make his window display gorgeously attractive now.

Various Items.

We regret to announce the death of Mrs. Reed, mother of Mr. Reed, of Reed & Keller.

Mr. Nash is an interesting fellow to interview these days, with his instructive stories of "Hold Lannon, don't cher know." He says they can't teach us anything about the flower business but decries our torpidity in not having an established market, like Covent Garden, where every department of the trade could congregate, and up-town, say at the corner of Forty-third street and Sixth avenue, where a splendid site for a market is obtainable, and where the very center of the business interests of the metropolis must ultimately be. In London they are now building a market, through private enterprise, for the floral products of France and the Scilly Islands. The market in London opens at 4 and closes at 9 a. m. in summer; in winter from 5 to 9. In no other respect save as to its market conveniences can floral London compare with New York. Mr. Nash is much benefitted in health by his trip abroad. His son, who has been attending school in England, returned with him.

On September 6 the home of August Millang was honored by a visit from the stork, with a baby boy in the basket. As the "Beauty King" seems to be a confirmed bachelor, the new arrival will carry the name of Joe, after his uncle, Joseph Millang, manager of the New York Cut Flower Co.

Mr. Ford is back from his fishing trip to Barnegat and his visit to his violet growers at Rhinebeck. At the latter place he found over fifty new greenhouses erected since his trip a year ago, and as an illustration of "the nerve of some people," as he expressed it, he cites the case of one man there who has just built three large houses and benched 22,000 plants, and "he never was in a greenhouse but twice in his life."

Alex Guttman has about doubled his ice box capacity and storeroom and is still handling an average of 4,000 asters and gladioli daily.

Jacobs & Son, of Brooklyn, have had a great year and even now cannot catch up with orders. They supplied the materials for the Bobbink & Atkins recent

addition and have just completed six large greenhouses for Rowehl & Granz, Hicksville, L. I. They also built a 2,000-dollar conservatory for the Isabella Heimath Home in Brooklyn, three 350-foot houses for Wendelberger, of Yonkers, and three for McMillan & Son, of Hudson Heights, N. J.

Park Commissioner Young, of Brooklyn, who is a thorough Scotchman, has built a "green" through the suggestion of our own Davy Mellis, whereby the florists and others may indulge in the old English game of bowls, at which William Elliott is an expert and in which his club won the silver cup. There will be a grand opening soon, at which the regular S. A. F. bowlers will have an opportunity to demonstrate their lack of knowledge.

Elliott & Sons won the silver medal for the exhibit at the "Volkfest" at Ridgewood Park, L. I., last week, a great annual festival, where the customs of the fatherland are perpetuated and the German florists illustrate their artistic ability in carpet bedding, lawn decoration and plant groupings. The judges of exhibits were Anton Schultheis, of College Point; Carl Woerner, of Flatbush, and Carl Zill, of Weehawken, and among the prize winners were Bobbink & Atkins, A. L. Miller, Aug. Schraeder, John Baumann, Jaques Webber, E. T. Buckingham, Henry Botzer, H. Maenner, J. Miesem, Charles Albrecht, F. Marquardt and F. Dannhauser. Wm. Aichmann is president of the society and the attendance reached 25,000 a day.

J. P. Meehan, with Mackintosh, Broadway, has returned from his week's outing at Saratoga. Mackintosh saved his sixth drowning case at Long Branch a few days ago, one of his "salvage" victims being a lady weighing over 300 pounds. If she had got her arms around his neck, as she tried to do, she would have sunk him sure, but he managed to have her postpone her gratitude and towed her to safety.

Phil Ditzenberger, of Ghormley's, will marry a week from next Wednesday, with appropriate fireworks by his associates.

The new firm of Slinn & Hughes should make considerable stir this winter. B. S. Slinn, Jr., has been conducting a successful business for some time, and Walter Hughes, who has been salesman for Jerome Ruydam, of Flatbush, is well and favorably known. They will handle Mr. Ruydam's fine carnation stock as usual and have some other good growers on their list. Their headquarters will be with the New York Cut Flower Co., in the Coogan building.

The regular board meeting of the Cut Flower Company was held yesterday. The company has just installed a new switch board with numerous trunk wires, so that each of their many departments is now connected with the central office, thereby increasing their conveniences and facilities.

To illustrate the enormous shipments of asters to this market, Mr. Ghormley showed me 9,400 from one shipper on Saturday last, and the same glut prevails in nearly every wholesale establishment in the city. In several of the wholesale stores 15,000 to 20,000 asters are handled daily.

C. W. Ward reports every carnation plant disposed of already and the same scarcity prevails all over the east, the supply nowhere equalling the healthy demand.

W. C. Mansfield, of Lexington avenue, has returned from the Thousand Islands with some big pickerel stories. He was accompanied by Messrs. Roberts and Grunewald, the retailers of Columbus avenue, and left them there still fishing in these prolific waters.

John Young reports a continuous demand for orchids of all kinds, especially *Cattleya labiata*.

A. H. Langjahr, of Brooklyn, who has conducted a wholesale cut flower business there since 1891, has decided to try the "store in two cities" idea and will shortly open at 53 West Twenty-eighth street, New York, first floor left, a splendid location. Mr. Langjahr will continue his Brooklyn store as usual.

Mrs. Siebrecht, wife of Henry Siebrecht, Sr., has been very ill for some weeks and is still suffering from an attack of pleurisy which at one time threatened serious results. Hopes are now entertained for her recovery.

Henry Siebrecht, Jr., and wife and Will Siebrecht and wife have returned from a pleasure trip to Montreal, Quebec, the White Mountains and Saratoga.

Mrs. P. Reidel is rapidly recovering from a serious operation at one of the hospitals.

The bowling captain has returned from a summer in the Catskills ready to kill the pins this winter, and anxious to get together a team that will bowl as well as he does, and trim the pride of those Philadelphia absorbers, who are never happy unless they win everything in sight. It's a long lane that has no turn. I predict at St. Louis the descendants of William Penn will not be "one, two, three," as Billy Kasting scientifically expresses it. Meantime, if any members of the New York Florists' Club will send their names to Captain Lang and express their willingness to join the bowling club, it will be only a few days until the nucleus of a winning team for 1904 will be at work, and New York, when it gets its mind thoroughly made up, can whip any two teams in the country.

J. AUSTIN SHAW.

ST. LOUIS.

The Market.

Business begins to show some improvement. The retailers report that they were fairly busy during the past week, while a great deal of funeral work, with a few weddings, kept some of us on the jump for a few days. The shipping trade also begins to show improvement among the wholesalers. The weather is fine; warm, bright days and cool nights, which they say is just the kind of weather to make the young stock grow and which improves the cut blooms. Night firing has not yet become a necessity. Nearly all the growers are busy putting in their fall bulbs.

Roses are coming in with improved foliage and blooms. The demand for high grade stock is good, but supply is limited as yet. Good Beauties are still somewhat scarce, but plenty of shorts are in the market; \$2 per dozen is the top price. Meteors are also better and Brides and Carnots are of good quality. Maids, Perles and Gates are small as yet, but promise better soon. The best roses bring \$5 per 100 and there seem to be plenty for the demand. Carnations are fairly plentiful, but cannot be called choice. They clean up fairly well, but, like outdoor stock, the stems are short, although the blooms are fair. The

best grade does not bring over \$1.50 per 100, while some of the ordinary stock is sold at 50 cents. The supply of fancies is very limited.

Lily of the valley sold somewhat better the past week, owing to the fall weddings. Asters have shortened up, but enough are shipped in to supply the demand at \$1 and \$1.50 per 100. Heads of hydrangea when clean sell well; so does *Clematis paniculata*. The long sprays of the latter would be effective in decorations, but very little of that kind of work is now on hand. Cosmos is coming in, but not in sufficient quantities to make a quotation on it. Gladioli are about gone. These, with other outdoor stock, sell slowly. In the line of green, adiantum has some demand. Smilax also moves well. With galax, Sprengeri and plenty of fancy ferns, the green market is in good condition at the present time.

Club Meeting.

The Florists' Club held its September meeting in Edwardsville, Ill., at the home of Fred Ammann. It was the most enthusiastic meeting held by the club this year, and thirty members were in attendance. The members were met at the Court House square by Mr. Ammann and his foreman, Mr. Blixen, and were escorted to their place. After the inspection of this well kept establishment all were of the same opinion, that everything was in fine shape. The young rose stock, especially the Perles, Beauties, Ivory and Brides, looked fine, and the short-roof Dietsch houses were voted a success; the Wolf ventilator was also well spoken of.

The meeting opened up at 3 o'clock, with President Dunford in the chair. All committees reported and were discharged with thanks. Mr. Ammann was requested to read his Milwaukee speech. Frederick Balthis was elected a member of the club, and Wm. Bouche, landscape gardener, made application for membership. All essays left over will be read at the next meeting. The installation of officers took place. With a few appropriate remarks President Dunford left the chair, which he has so ably filled the past year to J. J. Beneke, the newly elected president. Vice-President Winter, Secretary Schray, Treasurer Koenig and Trustees Ammann, Halstedt and Dunford were duly installed. The trustees were requested to have the list of essays for the fall meetings ready at the next meeting of the club.

The president then read a letter from W. J. Stewart, secretary of the S. A. F., and said that by the next meeting of the club the committees which will have charge of the S. A. F. entertainment next August will be named, and that the place for the meeting, exhibition hall and bowling alleys had already been spoken for. Every member present signified his willingness to work, and work hard, for the success of the convention next year.

The question box contained a lot of interesting queries and a big discussion was brought out on stem-rot in carnations, in which Messrs. Fillmore, Guy, Halstedt, Ammann, Herzog and Dunford had a lively mix-up, but it ended happily and made the meeting quite interesting.

After adjournment Mr. Ammann invited the members to a fine lunch, which was spread on the lawn and which was served by Mrs. Ammann and her daughters, assisted by Mrs. Blixen. After

lunch speeches were made by those who attended the convention, and nothing but good words and praise were heard for the Milwaukee and Chicago florists for our entertainment. The hour was growing late, and, drinking the health of Mr. Ammann and his family, the members started for home, voting this one of the best meetings held by the club this year. On the way home the members had lots of fun at the expense of Frank Fillmore, the joker of the club.

The next meeting of the club will be held on October 8, at 2 o'clock, in Odd Fellows' building, and the entire membership is requested to be present, as convention matters will come up which will be of interest to every member of the club.

Various Notes.

Fred Ammann, who is known among the craft as the "Perle King," distributed a fine lot of well grown Perles to those who attended the club meeting last Thursday, which was much appreciated by members.

Mr. Felter, on Lexington avenue, will have a fine lot of pot chrysanthemums for the fall trade.

At Berning's all hands are busy making preparations to move to their new location at 1402 Pine street.

The St. Clair Floral Co., of Belleville, Ill., is building five Dietsch houses, 16x100, for roses. These, so Dr. Halstedt, who is the head of the company, says, will be finished by November 1.

A. L. Vaughan, the representative of E. H. Hunt, of Chicago, is a visitor this week. The boys are all glad to see Lloyd and no traveling man has more friends here than Mr. Vaughan.

Bowling.

The wives of the florist bowlers are arranging a bowling club, of which no one can become a member unless connected with the trade. They will have their weekly bowling, the same as the men, only they will have it in the afternoons. Anyone wishing to join will please send her name to Mrs. F. C. Weber, 4326 Olive street, at once. Mrs. Theo. Miller and Mrs. F. M. Ellis are fast becoming expert bowlers. The object of the ladies' club is to be in trim for next year's convention.

The two florists teams bowled Monday night at the Blue Ribbon alleys. The night was cool and pleasant, and the rolling fair. The score follows:

Player.	1st.	2d.	3d.	Total.
Kuehn	188	155	177	520
Beyer	157	135	159	451
Melnhardt	102	108	149	359
Pitche	103	123	130	305
Weber, Sr.	139	139	142	420
Total	689	660	766	2115
Player.	1st.	2d.	3d.	Total.
Beneke	140	185	136	461
Miller	169	190	141	500
Ellis	141	126	150	417
Weber, Jr.	112	134	118	354
Young	130	136	142	408
Total	692	761	687	2140

J. J. B.

BUFFALO.

Current Comment.

We are at present sweltering amidst a horrid humid spell, hard for a northerner to bear. Business is gradually awakening from its torpid, midsummer, condition. I don't know how the retailers get rid of all the asters and gladioli, but I do know from personal observation taken but a few hours ago, that our very

energetic commission man, Mr. Kasting, seemed to me to have enough to supply western New York.

I have not heard of any considerable addition to our florist establishments this summer, except the entire rebuilding of Louis H. Neubeck's place, corner of Main and High streets. As this is within a block or two of the very best residence district, and, of course, within the fire limits, nothing but the most substantial of material, stone, brick, iron and glass, will go into it. It will be one of the best equipped places in the country, too small to reckon much as a producing place, but fine as a show and business place, and Louis knows how to run it.

A Visit to Toronto.

I was again honored with an invitation to judge the cut flowers and designs at Canada's great fair and promptly accepted and tried to fulfil the position last week. It would have been very pleasant to have been in Toronto the week before, for then the Canadian Horticultural Society met. It was very pleasant to know that the newly elected president is our very old friend, Edward I. Mepsted. The Toronto fair is the greatest annual exhibition on the continent, by long odds. While the New York State Fair had 30,000, with President Roosevelt as a star attraction, Toronto had days of 70,000, 80,000, 90,000, and on Monday, November 7, 110,000. While ornamental horticulture is but a small feature, it is most creditable. I can remember when, some fifteen years ago, I thought the Toronto florists behind the times, especially in designs. No longer can that be said, for many of the baskets, etc., were as rich, elaborate, and withal, as artistic, as I see anywhere. I wish, Mr. Editor, that all your readers could have seen "The Vacant Chair." It was truly a work of art. There were in competition with it several most costly and beautiful pieces, costing much more to build and fine in every respect, yet the chair had the perfection of shading and taste of arrangement. The roses exhibited by John H. Dunlop were wonderful for this season, about as perfect as you expect to see in February.

Sorry I could not call on everybody, but that was not possible, so in the company of that most companionable of men, Dr. Rowlands, of Utica, who is a most ardent florist on the side, with carnations his specialty, I ran up that little twenty-four miles to the mammoth Dale Estate, at Brampton. This place is always worth a long journey to see. They are just adding a trifle of 120,000 feet of carnation houses, which will be rather late in planting, but as they have an acre or two of summer-grown-under-glass, looking very fine, they will likely not run short. Of all things in this twelve acres of modern glass, the most remarkable are a number of 300-foot beds on tile, of Bride, Bridesmaid, Perle and Canadian Queen planted in the middle of last April, just now cutting their second crop. It would be idle to talk of thousands of flowers. I can only compare it to a fine crop of carnations in the month of April, standing up four feet from the ground. It is too large a place to see in two hours and too much to describe in these pages.

W. S.

DAVENPORT, IA.—The Allison Littig Company is putting up a large greenhouse in addition to the Allison plant.

CINCINNATI.

The Market.

During the past week, notwithstanding the very hot weather, our market did not show any decline. Business is still very good, and no one about this city has any cause to complain. Funeral work still holds the lead, but other branches of trade are rapidly picking up, as the summer vacationists return home. Though there is still a good supply of stock, with the exception of carnations, it is not quite so heavy as a week ago. The fancy asters sell on sight. Roses are about the same as last week, both as to supply and price. The hot weather has been pretty hard on Beauty. There is a brisk demand for them, though, and the price obtained is held well up to quotations.

Club Meeting.

Saturday was the regular meeting of the Florists' Society. A committee was appointed to look up plans for our winter flower show, and report at the next meeting. Ben George and D. Rusconi were appointed to plan entertainment for the next meeting. A lunch will be served and all members are requested to make a special effort to be present, as business of importance will be discussed. S. S. Skidelsky was present at the meeting.

Flower Show.

The first flower show given at the fall festival under the direction of the Cincinnati Florists' Society was held September 10 and without doubt it was the best exhibition of cut flowers and plants ever held at this time of year. The arrangement of the tables, general effect and the quality of the stock exhibited could scarcely have been improved upon. Theo. Bock, of Hamilton, O., was the judge and did good work.

The prizes were awarded as follows: Best general display, W. K. Partridge, Lockland, O., first prize, \$150; George & Allan, second prize, \$100; J. W. Rodgers, third prize, \$75, and Chas. McCrae, fourth, \$50. Best display roses, George & Allan, first; Chas. McCrae, second. Best display carnations, J. W. Rodgers, first; Chas. McCrae, second; R. A. Betz, third. Best display gladioli, Cushman Gladiolus Co., Sylvania, O., first; J. W. Rodgers, second; George & Allan, third. Best display asters, George & Allan, first; T. W. Hardesty, second; H. Konzelman, third. Best display lilies, George & Allan, first; T. W. Hardesty, second; H. Konzelman, third. Best display dahlias, R. V. Price, Home City, O., first; Wagner Park Conservatories, Sidney, O., second; Cushman Gladiolus Co., third.

The city greenhouses made a display of crotons occupying the center of the hall. They were arranged in a pyramid and the colors and effect were beautiful. E. G. Gillett deserves great credit for his work on this exhibition, for had he not given so much of his time it would never have reached the success that it did.

Various Notes.

J. W. Rodgers has just returned from a short vacation spent at Madison, Ind. Max Rudolph has been cutting some of the finest asters seen hereabouts. They were grown indoors and were about as good as you ever see them.

There were a good many visiting florists this week. Among them were: J. T. Herdegen, Aurora, Ind.; H. Behans, Middletown, O.; Theo. Bock and John Lodder, Hamilton, O.; Chas. and Frank Dieterich, Maysville, Ky.; S. M. Harbison and brother, Danville, Ky.; Chas. Weltz, Wilmington, O., and S. S. Skidelsky, Philadelphia. C. J. OHMER.

MADISON, N. J.

Current Notes.

The Morris County Gardeners' and Florists' Club had its usual monthly meeting on Wednesday last, and completed all the final details for the annual show, to be held on November 5 and 6. This society welcomes outside competition and does not deduct any percentage from the winnings of successful competitors, who are not members, the general feeling being that if a grower can win a prize he is entitled to it, no matter where he comes from.

Roses generally are looking well in this section and good competition can be looked for in spite of a wet, cold summer, while as for the chrysanthemums, the Madison show has for years been famous. The flowers annually set up by such growers as A. Herrington, of Florham Farms, and W. Duckham, gardener to D. Willis James, are ample testimony to the fact that Madison can't be beat in floriculture. Chrysanthemums this year seem to be even finer than usual, and this section will be heard from, as usual, when the New York show begins.

Building operations this summer were not very extensive in this section, although quite a general overhauling can be noticed around.

Righter & Barton erected two houses of the new galvanized construction of the Pierson-Sefton Co. They are unquestionably splendid houses, although expensive for the trade grower. Stock in these houses is in very fine condition, the American Beauties particularly, and taken altogether this is a model establishment.

A. L. Schultz & Co. put up one new house, 22x300, and modernized their heating plant somewhat, putting in two of the largest Hitchings sectional boilers. The boys believe in being up to date, and are constantly making improvements.

Jeff Doremus only started in the business last year, but this year he added a new house, 20x200 feet, of the best type of construction, also by the Pierson-Sefton Co. The stock all through his place is in good shape, and there seems a prosperous winter ahead of him. The genial Jeff has a well of very fine water on his place, but I venture to predict that his water will never make him more famous than has the brand of apple jack he for years manufactured. VISITOR.

TORONTO.

The Market.

During the last few weeks trade has been picking up wonderfully and with the great scarcity of stock it keeps both retailers and wholesalers at their wits' end to know how to fill orders. As we are sending these notes, a decided change in the weather has taken place and we are plunged from a decidedly cool August to what would look like a very warm September and might be classed as July weather. This, we presume, will have a tendency to rush stock along. Asters are exceptionally plentiful and some very fine stock, especially in white; long stems and blooms all that could be desired. Carnations are commencing to come in fair supply. C. Turp is sending in a nice cut. W. L. Lindsay, of Til-

sonburg, is also sending in some good stock.

Notes.

John Milligan, late of Dunlop's, who has taken over the greenhouse at Mimico Industrial School, loomed up the other day with his first cut of carnations. He reports stock looking very promising.

We were favored with a call the other day from W. J. Peake, of J. H. Rebstock's, Buffalo, N. Y.; also A. F. Luhr, St. Mary's, Pa. D. J.

GRAND RAPIDS.

Prices remain the same as at my last report, except asters, which vary from 25c to 50c, according to quality.

The weather still continues humid. We have had such an abundance of rain that it has interfered seriously with housing carnations; eleven days of continuous rain, and at the present time it is still raining. Business is quiet, except funeral orders and shipping, which keeps all

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REVIEW.

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GRAND VIEW, N. J.

flowers cleaned up close. Carnations are very scarce, but field-grown flowers are beginning to come in fast, while the earlier planted stock inside is also beginning to flower, although the stems are, of course, rather short. This is the kind of weather that is rough on violets, and forms the right conditions for black spot. Look sharp after the ventilation and don't forget to keep the other eye on that pesky little rascal, the black fly. Violet troubles have begun early this season.

This week will see the balance, or nearly so, of all carnations planted, and it is fair week here, too. The floral exhibit will, as usual, be a "help us out" kind of an affair, when anything, even the poorest trash, goes, just because of poor management and leaving things go till just before fair time, then run around to see who can be secured to help out. This year Henry Smith, Grand Rapids Floral Co., and Bruins-Slot & Sons are the martyrs, and will do their best to make that department attractive.

Such a strong opposition has developed against the city acquiring the Macnama forty acres, adjoining John Ball Park, that it has been decided advisable by the council to submit the matter to a vote of the people.

Pleasant memories cling to us from the Milwaukee convention, and we should like to see a gold medal awarded that man or woman who suggested that delightfully convenient and practical lunch basket on board boat. G. F. C.

GARDENING UNDER GLASS

MUELLER BROS., St. Joseph, Mo., have built a fine range of four houses for lettuce.

LAWRENCE BECKER, 1240 Bryn Mawr avenue, Chicago, has dropped carnations and planted his place to lettuce.

JACOB PHILLIP, Rogers Park, Chicago, has discontinued forcing cucumbers and lettuce, and planted his houses to carnations.

CUCUMBERS.

Please give me a few points on raising cucumbers under glass, the best variety to force, time to plant, etc. M. G.

The variety most generally grown here under glass for the trade is the White Spine. Why it is preferred to the more tender English forcing varieties I have never been able to discover, as it does not begin to compare with Telegraph or any of its numerous types, but the fact remains that the eastern markets want only the White Spine, and it does not pay a man to grow what he cannot sell. Many private growers, however, grow the English varieties for home consumption, and it may be that they will some day be more extensively handled.

Cucumbers may be grown under glass the year around, the winter, of course, being the time when they are hardest to grow and most profitable. For a winter crop sow the seed now. Put two or three seeds in a 3-inch pot and thin out to one before planting out on the benches. Use new, fibry loam, well enriched with rotten manure. Set out the plants three feet apart and train up on a wire trellis near the roof. Some of the large New England growers set out the plants right in the soil that forms the floor of the house, no benches being used. For winter forcing I would prefer to set out plants on benches, as they would then get more light and air. To set a crop of fruit in the winter the White Spine has to be hand pollinated, a simple matter when one knows the difference between the male and female flowers. Sometimes a hive of bees is put into the house for the purpose of pollinating flowers and this is perhaps the quickest way if one has lots of plants.

Greenfly is sometimes troublesome, but if tobacco stems are kept in the house from the first the fly will never become numerous. If they do, a light fumigation will do no harm to the plants. Mildew sometimes appears in the winter, but may be controlled by the use of sulphur. The temperature may be 60 degrees at night, with a rise of 20 degrees during the day if the weather is bright. C. T.

WANT ADVERTISEMENTS.

Advertisements under this head one cent a word, cash with order. Plant advertisements NOT admitted under this head.

Every subscriber is entitled to a free situation wanted or help wanted advertisement not exceeding 35 words in any one issue during the year. If the advertisement exceeds 35 words, send at the rate of one cent for each additional word.

When answers are to be addressed in our care, add 10 cents for forwarding.

FOR SALE—Some extra good second-hand 1-inch pipe, guaranteed sound, at 60 per foot; also some 4 inch. W. H. Salter, Rochester, N. Y.

WANTED—Florist, good steady single man, as assistant in commercial place; German preferred. Address, with references, Jos. F. Klummer, Desplaines ave. and Harrison st. Oak Park, Ill.

If you suggest it

your local dry goods, millinery, clothing and other stores will use a lot of Asparagus for decorating for fall openings. We can supply the goods so you can do the work and make a nice profit. Strings from 25c to 50c. Good value for the money.

Large supplies of all other stock in season.

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AMERICAN BEAUTY,		Per doz.
24-inch stem.....	\$2.50	
20-inch stem.....	2.00	
15-inch stem.....	1.50	
12-inch stem.....	1.00	
Short stem.....	\$4.00 to \$5.00 per 100	
		Per 100
Brides and Maids.....	\$3.00 to \$5.00	
Meteors and Gates.....	3.00 to 5.00	
Kaiserins.....	3.00 to 8.00	
Carnations.....	1.00 to 2.00	
Asters.....	.50 to 2.00	
Auratum Lilies, per doz., \$1.25		
to \$1.50		
Gladioli.....	2.00 to 3.00	
Tuberose, 50c to 75c per doz.		
Valley.....	4.00	
Asparagus, per string, 25 to 50c.		
Asparagus Sprenger.....	3.00 to 6.00	
Ferns...per 1000, \$1.25.....	.15	
Galax.....	1.50	
Adiantum.....	.50 to .75	
Smilax.....per doz., \$1.25.....	8.00	

Subject to change without notice.

SITUATION WANTED—By working foreman; Scandinavian; middle aged; married; life experience in growing cut flowers; able to take charge of any sized place; state wages and size of place; first-class references. Address J. A. Rosengren, 449 Madison Ave., Grand Rapids Mich.

SITUATION WANTED—By middle aged man of long experience. Good grower of roses, carnations, violets, mums and miscellaneous stock; capable of taking charge wholesale or retail place; reliable and energetic; no family. Address Florist, 137 Harrison Ave., Boston, Mass.

SITUATION WANTED—In a first-class place for the winter months; general greenhouse and design work; New England preferred; state wages with board and room. Address J. W. F., Jr., Box 56, Northfield, Mass.

SITUATION WANTED—As working foreman by a strictly competent, up-to-date grower of palms, roses, carnations, ferns, mums, bulbs, also Easter and bedding stock; 18 years' practical experience; age 33; married; no family; first-class references from one of the leading growers of the East. Address August Zitzewitz, Newtown Square, Delaware County, Pa.

SITUATION WANTED—In flower store, by a young man 22 years old (German); good designer and bouquet maker; best of references. Address Chas. Kansch, Desplaines Ave. and Harrison St., Oak Park, Ill.

FOR SALE—Stock of carnations, mums, etc., in good condition, together with lease or sale of 4 greenhouses; also store that sells more than place grows. Address No. 171, Florists' Review, Chicago.

WANTED—A young man who thoroughly understands double-entry bookkeeping; must be accurate and have some experience in decorating and designing. Address, with references, No. 173, Florists' Review, Chicago.

WANTED—Florists' Review, Nos. 215, 237, 163, and 164; look through your back numbers. Quote prices to L. H. Wise, Montague, Mich.

WANTED—40 or 50 good second-hand hot-bed sash, in good order; let me know what you have. Address Box 408, Monongahela City, Pa.

WANTED—A steady, competent florist; western man preferred; state wages wanted and send references. Byron H. Ives, Albuquerque, N. M.

WANTED—A night fireman on steam boilers; wages \$12 a week. Morton Grove Greenhouses, Morton Grove, Ill.

FOR SALE—Well-established wholesale and retail bulb and plant business. Ten acres of ground; 5 acres in cultivation. Two greenhouses, 2,000 square feet. Large warehouse, 35x45; large barns, all newly built; eight-room dwelling and other out-houses. Some very useful stock. Eleven miles from New York City. A grand opportunity. Address No. 167, care Florists' Review.

FOR SALE—Cheap—Extra strong tubular boiler; was used for hot water heating; 5,000 feet of glass; also some very good 4-inch cast iron pipes; good reason for selling it. Address J. Chr. Frasch, Erie and Kensington aves., Philadelphia.

FOR SALE—One No. 30 Wilks hot water boiler, with stack complete, used only three months. A bargain for cash. James W. Dunford, R. R. No. 1, Clayton, Mo.

FOR SALE—Greenhouse property—12,000 feet of glass 2 acres of good land centrally located in a live city of 15,000; 8-room dwelling, new, everything heated and lighted by natural gas; all stock in fine shape and business established 30 years; will bear the closest investigation; price \$7,000. Address No. 172, Florists' Review, Chicago.

WANTED—At once, a reliable, all-round man for commercial place; single and German preferred; reference required. Boehringer Bros., 325 Park Avenue, Bay City, Mich.

WANTED—Two or three men for carnations and roses. Bassett & Washburn, Hinsdale, Ill.

WANTED—Two single men for roses and carnations. Pittsburg Rose & Carnation Co., Crystal Farm, Gibsonsia P. O., Pa.

WANTED—Two young men with some experience in the retail flower business. Address, stating salary expected, C. A. Samuelson, 2129 Michigan Avenue, Chicago.

WANTED—Hot water boiler capable of heating at least 2,500 feet of glass also necessary pipe; must be good and cheap; no brick set boiler. J. Loehrer, Florist, Boone Iowa.

WANTED—At once, a young man with 3 or 4 years' experience in greenhouse work; wages to begin with \$4.00 per week. Chas. Beyer, 3619 South Grand Ave., St. Louis, Mo.

WANTED—Sober, reliable man as night fireman for steam and hot water greenhouse boilers; must be experienced. Address, John Lewis Childs Floral Park, Long Island.

WANTED—Florist competent to take charge 6,000 feet glass; grow cut flowers and general stock; state wages with references, etc. J. C. Steinhäuser, Pittsburg, Kansas.

WANTED—To exchange for violets and carnations 1,200 ft. of bars, 6 ft. 6 in. long, 116 feet gutters, 116 feet ridges and 7 ventilator sash, all new; in need of 4.00 Marie Louise and 2,000 carnations; give prices. Address, Sibley Greenhouses, Sibley, Ill.

WANTED—Three experienced rose growers who know their business and will work to merit advancement. Good salary paid if ability is shown. Poehmann Bros. Company, Morton Grove, Cook Co., Ill.

FOR SALE—Cast iron boiler for 2500 ft. of glass, \$50.00 cash. Dann & Son, Westfield, N. Y.

FOR SALE—Ballard's greenhouse, Perry, Iowa; cause poor health. Wm. Ballard, Perry, Ia.

FOR SALE—A hot water boiler; splendid heater for place of about 5,000 feet of glass; reason for selling, too small for my place. Robert Buck, Greenfield, Ohio.

FOR SALE—Wholesale florist's ice box, almost new filled with granulated rock, lined with galvanized sheet iron; 8 feet wide, 5 feet deep, 9 feet high, in sections. \$30.00 f. o. b. Pittsburg. Fred Burki, Bellevue, Allegheny, Pa.

FOR SALE—A bargain—Boiler (25 H. P.) half front and fixtures complete, in good working order. Sam. Van Bochove, Kalamazoo, Mich.

FOR SALE—Cheap for cash, second-hand 4-in. cast iron pipe and fittings. Good condition. Address Cole Bros., Box 577, Peoria, Ill.

FOR SALE OR RENT—Eight greenhouses, two 12x20, one 120x24, two 68x24, one 50x12, and two 68x12. All heated by steam; hot-air pump and windmill; also 9 room dwelling, heated by steam from greenhouses, with hot and cold water; several acres of ground. Apply to William Yeager, 68 East Main St., Norristown, Pa.

FOR SALE—Retail greenhouses; long established; first-class reputation; about 3,000 feet of glass; connected with two tenement dwellings; hot and cold water; in center of town; one minute from depot; two railroads; in active, growing town of about 9,000 people; must sell; a bargain; low for cash. Death of proprietor reason. The N. A. Chase Greenhouses, Winsted, Conn.

FOR SALE—New greenhouse material as follows: New 2-in. black pipe, long lengths, 10 cts. per ft.; 6x8, 50 ft. boxes, American glass, single, \$3.25 per box; 6x8, 50 ft. boxes, American, double, \$2.70 box; 6x8, 100 ft. boxes, French, single, \$4.00 box; 8x10 single French glass, \$4.50 per 100 ft. box; 12x14, 16x18, 16x14, 50 ft. boxes, American glass, double, \$3.60 box; 12x12, 10x14, 50 ft. boxes, American glass, single, \$3.40 box. Clear gulf cypress greenhouse material and everything for building. Send for prices. S. Jacobs & Sons, 1365 to 1375 Flushing Ave., Brooklyn, N. Y.

FOREMAN WANTED.

Must be first-class grower of cut flowers and plants; one capable of managing 75,000 sq. ft. of glass devoted to both wholesale and retail trade; good wages, steady position; reference required. Address

CRABB & HUNTER, Grand Rapids, Mich.

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NURSERY NEWS.

AMERICAN ASSOCIATION OF NURSERYMEN.

Pres., N. W. Hale, Knoxville, Tenn.; Vice-Pres. F. A. Weber, St. Louis; Sec'y, Geo. O. Seager, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-eighth annual convention will be held at Atlanta, Ga., June, 1904.

L. A. BERCKMANS, of Augusta, Ga., is visiting northern nurseries.

MANY western nurserymen and fruit growers are at the Irrigation Congress at Ogden, Utah, this week. The work of the congress means much for the tree growing interests.

THE Association of American Cemetery Superintendents held its seventeenth annual meeting at Rochester, September 8 to 10, John C. Dix, of Cleveland, being, as has become the practice, advanced from the vice-presidency to the presidency. There was a good attendance and many hospitalities were extended, the members of the association being large buyers of ornamental nursery stock. Chicago was selected for the 1904 meeting.

POMOLOGISTS' CONVENTION.

The twenty-eighth annual meeting of the American Pomological Society was held at Horticultural Hall, Boston, September 10 to 12. There was a large attendance and a long and interesting program. Among the speakers were L. H. Bailey, J. Horace McFarland, G. H. Powell, C. L. Marlatt, John Craig, F. M. Hexamer, W. C. Strong, J. B. Brackett, W. C. Barry, W. H. Ragan, Wm. Craig, W. T. Macoun, R. H. Starr, J. H. Hale, W. A. McKinnon, W. D. Bigelow, F. W. Taylor, E. W. Wood, J. B. Ward, H. E. Van Deman, L. R. Taft, F. A. Waugh, H. W. Collingwood, S. W. Fletcher and others. There were many lively discussions of interest to the fruit growers.

C. L. Watrous declined a renomination to the presidency and the election resulted as follows: President, J. H. Hale, South Glastonbury, Conn.; vice-president, C. W. Garfield, Grand Rapids, Mich.; secretary, John Craig, Ithaca, N. Y.; treasurer, L. R. Taft, Agricultural College, Mich.

The exhibition contained over 2,000 plates of fruit and was one of the best shows the society has yet made. The Wilder silver medals were awarded as follows: To Minnesota State Horticultural Society for seedling apples; Miss E. J. Clark, Pomfret, Conn., grapes, etc.; Michigan Agricultural College, collection of fruit; New Hampshire Horticultural Society, apples; G. P. & H. W. Miller, Pawpaw, Mich., apples; Ellwanger & Barry, Rochester, 300 plates apples, peas and grapes; E. B. Wilder, Boston, for pears from the Marshall P. Wilder homestead. The Wilder bronze medals were awarded to the exhibits of C. C. Shaw, Milford, N. H.; A. A. Boggs, Waynesville, N. C.; Grand Rapids Fruit Growers' Association, West Virginia State Horticultural Society, Horticultural Department University of Wisconsin; C. A. Arnold, Arnold, Me.; Wm. Craig & Son, Abbotsford, Que.; John Rock, Niles, Cal.

During the convention the Society of Horticultural Science was organized with Prof. L. H. Bailey president.

My New Catalogue

has again been published and is to be obtained on application. Those who wish to have first-class plants at moderate prices should not fail to ask for it.

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Nurseryman,
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American WHITE ELM

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Best Trees for Park and Boulevard.	Each
25,000 White Elm 2 to 3 in. diam.,	\$1.00
5,000 White Elm 3 to 4 "	1.50
1,000 White Elm 4 to 5 "	2.50
1,000 Hackberry 2 to 3 "	1.25
250 American Linden 2 to 3 "	1.25
50 European Mt. Ash 2 to 3 "	1.50
1,000 Hardy Catalpa Speciosa, 4 to 6 ft. high,	10c
1,000 Russian Mulberry 5 to 7 "	10c
500 Russian Mulberry 8 to 10 "	25c

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Mention the Review when you write.

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Wholesale Growers of Ornamental Trees, Shrubs
Roses, Clematis, Fruit
Trees, and Small Fruits
in great variety.
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BOSTON FERNS

3-inch, \$8.00 per 100 4-inch, \$15.00 per 100
5-inch, 25.00 6-inch, 40.00
7-inch, 60.00 8-inch, 80.00
From bench, ready for 6, 7 and 8-inch, \$25.00 to \$40.00 per 100.
DAVIS BROS., GENEVA, ILL.
Mention Review when you write.

Seed Trade News.

AMERICAN SEED TRADE ASSOCIATION.

Pres., S. F. Willard, Wethersfield, Conn.; First Vice-Pres., J. Chas. McCullough, Cincinnati, O.; Sec'y and Treas., C. E. Kendel, Cleveland, O. The 23d annual meeting will be held at St. Louis, Mo., June, 1904.

RADISH seed promises to be a fairly good crop in the Michigan sections.

It is stated that the Everett B. Clark Co., Milford, Conn., is to build a warehouse at Sister Bay, Wis.

THE Albert Dickinson Seed Co., Chicago, is erecting a seed warehouse and elevator midway between St. Paul and Minneapolis.

THE Minnesota Field Seed Growers' Association was formed at St. Paul, September 2, with C. C. Thompson, Farmington, president.

VISITED PHILADELPHIA: Alfred Emrich and Le Comte d'Estienne d'Orves, of Vilmorin-Andrieux & Co., Paris, France. They will make a tour of the southern and western states and return to New York by way of Niagara Falls.

It looks now as though the position of the French bulb growers was more or less warranted by crop conditions. The market at Toulon and Ollioules is reported well sold out, closing prices on Romans, 12 centimeters and up, being about 80 francs. Some American jobbers have had many cancellations on orders for early delivery and American consumption is likely to be considerably reduced if this season's prices are maintained.

ALFRED J. BROWN, Grand Rapids, Mich., writes, September 5: "The prospect for a crop of beans is not as good as it was a few weeks ago. We have had entirely too much rain and many crops have been damaged to a large extent. Even with the most favorable weather from now until harvest, the crop will be short, while, on the other hand, if we should have unfavorable weather or an early frost, it would be very disastrous. The weather at the present time is cold and the prospects are somewhat gloomy."

A. LE COQ & Co., Darmstadt, Germany, report under date of September 1 that the crops of natural grass seeds, with the exception of the later sorts, are now harvested and in most cases crops have turned out larger than last year. Prices in general will be about as last year, but festucas lower. Phalaris arundinacea will see higher prices because of small crops, also Agrostis stolonifera and A. vulgaris, Bromus inermis and Cynosurus cristatus. Qualities will differ widely because of recent bad weather.

PHILADELPHIA.—As previously indicated, the vine seed crops in this locality are not more than twenty-five per cent of the expected yield. This coupled with the fact that very little or no vine seeds were carried over makes the outlook for 1904 very dubious. The crops of early tomatoes are now being cleaned up and the yield is only from twenty to twenty-five per cent of that originally provided for. Pepper and okra seed will even be of a lower average than tomato. All bulb deliveries are much later than usual.

Away BELOW Cost. CYCAS STEMS. Only 10 cases unsold—speak quick if you want one.
Price only \$4.00 per hundred lbs.
 Write or telegraph.
STUMPP & WALTER CO., 50 Barclay Street, New York City.
 Mention the Review when you write.

Some of the Holland houses are refusing to deliver orders booked at the prices quoted last March and April, and refuse to ship unless the revised higher prices be accepted.

J. M. LUPTON, Mattituck, L. I., writes that Long Island seed crops have been generally light. Spinach was not more than twenty-five per cent of an average crop, and deliveries on contract have been about 25 per cent of orders. Kale, Siberian, has done fairly well, and is sufficient for demands, but the surplus stock is small. The Dwarf Curled Scotch winter-killed badly, and was almost a complete failure. On cabbage the crops of most standard sorts will meet the demand, although not large, and there is not much surplus stock in sight. There are a few varieties which will not be delivered in full, the deliveries on them ranging from 50 per cent to 80 per cent. Most notable among these are Early Winnigstadt, Early Spring, Danish Ball Head and Mammoth Rock Red, none of which are better than 50 per cent of a crop.

S. M. PEASE, of the Cleveland Seed Co., Rochester, N. Y., writes that they "have had very unfavorable weather during the past ten days for the maturing of sweet corn and beans. They have made but very little progress. Some crops of beans that were pretty well advanced have started to grow from the pod, on account of excess of rain. The harvest of beans will be very uneven, on account of the difference in planting. The late plantings will doubtless be caught by frost unless it holds off for a remarkable length of time; and we fear that sweet corn will receive the same treatment, as there are many fields that are just coming into ear. We do not know of any that have passed the danger point. Field after field of oats can be seen, in passing through the country, some uncut and some in the shock, and a large portion of them growing or sprouting."

EVERETT B. CLARK CO., MILFORD, CONN., says they cannot report very good crops this season. The weather has gone from the one extreme, early, to the other extreme, late. Early in the season it was very dry—latterly it has been altogether too wet. The dry weather all during turnip growing season made that a very light crop. Kale was fair. Parsnip, which received rain in time to save it from the same fate as that which turnip met, was from eighty per cent to a full crop. The wet season caused beet to have a very large growth of stalk, which, if it had seeded out, would have made a very large crop, and as it was made a fair crop. Carrot is very light. Onion, which up to the last looked like a fine crop, disappeared in the last few days on account of blast, and some which happened to escape blast we could not harvest at the proper time on account of long continued rains, causing a loss there. Hence onion will be very light, i. e., strictly Connecticut-grown onion

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 2 to 2½ in. diam..... doz., \$1.25; 100, \$9.00
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 NOW READY FOR MAILING.

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HARRISII,
FREESIA, OXALIS,
CALLAS.**
 Now ready for delivery. **CALLAS.**
 Annual Trade List of **BULBS** sent on application.
W. W. RAWSON & CO., Seedsman
 12 and 13 Faneuil Hall Square, BOSTON.

BULBS!
 A few hundred extra fine **LILIIUM HARRISII**, 9x11, at a bargain. Write—
GEO. A. KUHL, PEKIN, ILL.
ROSES and FERNS.
 Mention Review when you write.

seed. Lastly, sweet corn is still in the balance. A warm September and freedom from early frosts will give us a good crop and, the acreage planted being so great, the product of this section in the aggregate would be large. But weather continuing the same as we have so far had, a great many pieces cannot mature at all for seed. An early frost would surely bring this result. Only the very earliest plantings and the best land would then produce seed, and the aggregate product would be very light.

LA CROSSE, WIS.—A large chimney at the greenhouses of the John A. Salzer Seed Company was blown down a few days ago, wrecking one end of the houses.

ESTABLISHED 1802.

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Bulbs**

Our Wholesale Catalogue of Bulbs and Flower Seeds for Florists now ready.

We have a large stock of extra fine strong bulbs of

Lilium Harrisii

Send for our prices before ordering elsewhere.

Dutch Hyacinths, Narcissus, etc.

Now Ready.

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Winter Flowering SWEET PEAS
 Seed for forcing only.

ZVOLANEK'S CHRISTMAS—PINK.
FLORENCE DENZER—PURE WHITE.
 Price—One pkt., 75c; 1 lb., \$2.50, mailed free. Not less than 75c worth will be sold. Sold only in my original packet, with directions.
 Stock seed of this variety is carefully selected in my greenhouses from stems over 14 inches long. These two varieties, if sowed the first part of September, will bloom for Christmas. When planted in December, after latest mums, will bloom in February. Only small quantity left. First come, first served.

ANT. C. ZVOLANEK,
GRAND VIEW, N. J.
 Money Orders: Sommerville, N. J.

PANSY.
 Superb mixed, unexcelled strain, ¼ oz., 75 cts.; oz., \$5.00.

CINERARIA.
 Dwarf and tall, finest mixed, each 50 cts. and \$1.00 per packet.

FERNS.
 Piersoni, doz., \$3.00; per 100, \$22.00. Bostoniensis, doz., 60 cts.; per 100, \$4.00.
 Splendid stock out of 2½-inch pots.
W. C. BECKERT, ALLEGHENY, PA.

SAMUEL S. PENNOCK,

Dahlias.

See Florists' Review of last week and Florists' Exchange of this week.

We are open daily from 7:30 a. m. to 6 p. m.

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Pittsburg Cut Flower Co. Ltd.

ASTERS.

WHOLESALE FLORISTS,

504 Liberty Ave., Pittsburg, Pa.

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PITTSBURG.

The Market.

The market has slightly improved since my last report; stock is not quite so plentiful. Good roses are somewhat scarce but the shortage is not serious, as asters are so plentiful and they fill in any existing shortage. Carnations are arriving in better condition. Society folks are returning to their city homes much earlier this year and an early and a busy season is looked for.

Various Notes.

Mrs. E. A. Williams reports business very good. A large decoration at the Pittsburg Exposition and several weddings opened her season very encouragingly.

The marriage of Gilbert P. Weaklen and Miss Sadie E. Totten is announced. Mr. Weaklen is manager of Randolph & McClements' retail store.

E. C. Ludwig has been very busy with funeral work.

T. P. Langhans, of the Pittsburg Cut Flower Co., reports business good and the outlook for fall very encouraging.

Wm. Flemm, of Breitenstein & Flemm, is at Atlantic City.

The Rose & Carnation Co., at Bakers-town, is sending in quantities of album and roseum lilies. Hoo-Hoo.

BOZEMAN, MONT.—M. Langohr is building two new houses 16x76 feet.

AURORA, ILL.—The Natural Guano Co. has just completed the rebuilding of its factory, destroyed by fire some months ago, and started up again last week.

HARTFORD, WIS.—C. B. Tremain has been in business here only three years, but has built up a nice business. He is again thinking of enlarging his green-houses.

BLOOMINGTON, ILL.—W. T. Hempstead is adding two houses to his plants, one of them being about finished. He had a poor season with his stuff in the field, and as a result will have to buy quite a number of carnation plants to stock the houses.

Ferns.

Alsophila Australis, Specimens in 11-inch pots, 4 feet tall and broad, \$3.00 each.
Bostoniensis and *Davall-*
Holles Furcans, from pots, 4-inch, \$2.50; 5-in., \$4.00; 6-inch, \$6.00 per doz.
Lomaria Gibba, 4-in., \$1.75; 5-in., \$3.50; 6-in., \$4.50 per doz. 5 per cent. discount for cash with order.

N. STUDER, ANACOSTIA, D. C.

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To Exchange

Small ferns in variety out of 2 and 2½-inch pots. Stock is first-class. Price \$2.50 and \$3.00 per 100. Will exchange for good 2½-inch stock Chinese primula, cineraria, cyclamen, or good varieties of geraniums.

Wagner Park Conservatories,
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20,000 SMILAX.

A-No. 1 stock, from 2-inch pots, at \$1.00 per 100; \$8.00 per 1000; 2'0 at 1000 rate. We want you to plant our Smilax this year.

Asparagus Sprengeri, 2-inch, \$1.50 a 100
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From bench, transplanted several times, extra fine, from 25c to \$1.50 each.

Good strong plants, transplanted once, \$5.00 per 100; \$40.00 per 1000.

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Field-grown, strong plants, planted from 6-in. pots, will take from 7-in. to 8-in. pots, \$25.00 per 100. Terms Cash.

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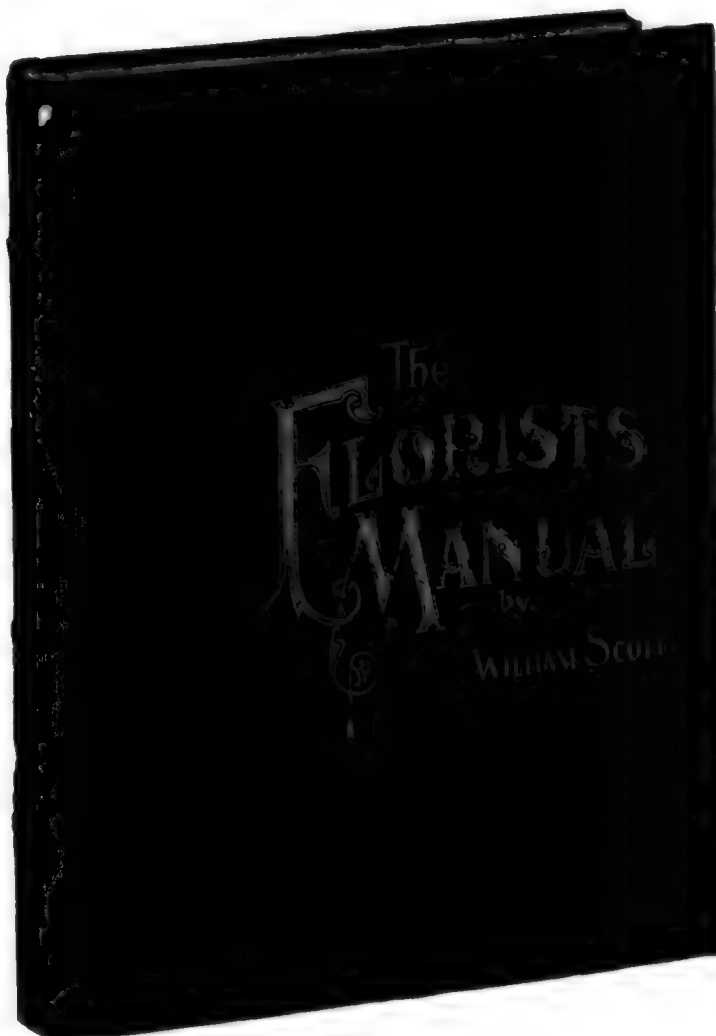
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2-inch pots, two tiers, \$16.00 per 100.

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2½-inch pots, strong plants, \$10 per 100.

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HYACINTHS, French White Roman, 12 to 15 centimeters.....	\$2.90	\$20.00
Named Dutch, Single, separate colors, all the standard sorts, distinctly named, for pot forcing.....	4.75	45.00
Named Dutch, Single, mixed, our selection, but equal proportion of colors.....	4.25	40.00
Single or Double, for pots or bedding, separate colors.....	2.90	27.00
NARCISSUS, Paper White Grandiflora, 13 centimeters and over.....	1.00	9.00
TULIPS, Single Superfine Mixed.....	.75	0.00

	Per 100 seeds.	Per oz.
FANSY, Johnson & Stokes' Kingly Collection, an unsurpassed strain of Giant Pansies that will increase your sales, 2000 seeds, 50c; 5000 seeds, \$1.00.....	.80	5.00
GIANT DOUBLE DAISY (Bellis Perennis), white or pink.....	.25	2.50
mixed.....	.25	2.50
PRIMULA (Chinese Primrose), English Fringed Mixed (show varieties), 100 seeds, 25c; 500 seeds, \$1.00.....	1.50	
CINERARIA, England's Prize Strain, unsurpassed, 1/4 trade pkt. 50c; trade pkt. \$1.00.		

Get our BULB LIST before ordering elsewhere.

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Strobilanthes Dyerianus, 75 cts. per doz.	5.00
Abutilons in var., \$20.00 per 1000.....	2.50
Pompon Chrysanthemums, 50 var., \$17.50 per 1000.....	2.00
Coleus, in var., \$17.50 per 1000.....	2.00
2 1/4-in. pots, per 100	
Fuchsias, in variety.....	\$2.50
Hardy English Ivy, extra strong.....	2.00
Lemon Verbena.....	2.50
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(Rooted Cuttings of Hardy English Ivy, 75c per 100; \$5.00 per 1000.)	
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Philadelphia, Sept. 16.

	Per doz.
Beauties, Specials.....	\$ 2.00 to \$ 3.00
Extra.....	1.50
No. 1.....	.75 to 1.50
Queen of Edgely, Specials.....	2.00 to 3.00
Seconds.....	1.50
Thirds.....	.75 to 1.50
	Per 100
Brides Specials.....	4.00
No. 2.....	2.00 to 3.00
Bridesmaids, No. 2.....	2.00 to 3.00
Specials.....	4.00 to 5.00
Kaiserin, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Liberty, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Meteors.....	2.00 to 4.00
Carnations, Commons.....	.50 to 1.00
Fancy.....	1.00 to 2.00
Adiantum Cuneatum.....	1.00
Lily of the Valley.....	2.00 to 4.00
Double Petunias.....	.25 to .75
Gladioli.....	1.00 to 2.00
Asters, Common.....	.25 to .75
Fancy.....	1.25 to 2.00
Dahlias.....	1.00 to 2.00
Fancy.....	3.00 to 5.00

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New York, Sept. 16.

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Shorts.....	1.00 to 3.00
Brides and Maids, Specials.....	4.00 to 5.00
Extra.....	2.00 to 4.00
No. 1.....	1.00 to 2.00
No. 2.....	.50 to 1.00
Kaiserin.....	1.00 to 6.00
Liberty.....	2.00 to 6.00
Meteor.....	1.00 to 4.00
Queen of Edgely.....	5.00 to 20.00
Cattleyas.....	50.00 to 75.00
Carnations, Common.....	.50 to 1.00
Selects.....	1.00 to 2.00
Fancies.....	2.50 to 3.00
Adiantum cuneatum.....	.25 to .50
Croweatum.....	.50 to .75
Asparagus plumosus, Strings.....	35.00 to 50.00
Asters, Selects.....	1.00 to 3.00
Common.....	.20 to .50
Dahlias.....	.25 to 1.00
Lilium Harrisii.....	5.00 to 8.00
Lily of the Valley.....	2.00 to 3.00
Mignonette, Ordinary.....	.50 to 1.00
Smilax.....	5.00 to 8.00
Tuberose.....	.50 to 1.00
Violets, Ordinary.....	.25 to .50

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Leucothoe Sprays, Green, 90c per 100.
Southern Smilax, fresh stock, per 50-lb. case, \$6.00; per 25-lb. case, \$3.50.
Green Sheet Moss, choice stock, \$2.50 per barrel sack.
Sphagnum Moss, \$1.75 per large bale.

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Special conveniences for both Wholesale and Retailers this season. None better in the country.

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Telephone 1738 Madison.

ESTABLISHED 1872.

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Specialties, CARNATIONS and MIGNONETTE.

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and
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SPECIALTIES
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LEUCOTHOE SPRAYS.

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It is like being out of the world to be without the REVIEW after one has been reading it for any length of time.—H. V. BETTS, Ormond, Fla.

Wholesale Cut Flower Prices.

Buffalo, Sept. 16.

	Per 100
Beauties, Specials.....	\$20.00 to \$25.00
Extra.....	10.00 to 15.00
No. 1.....	5.00 to 8.00
Shorts.....	1.00 to 3.00
Brides and Maids, Extra.....	6.00
No. 1.....	4.00 to 5.00
No. 2.....	1.00 to 3.00
Carnot.....	2.00 to 6.00
Golden Gate.....	1.00 to 6.00
Kaiserin.....	2.00 to 7.00
Liberty.....	1.00 to 8.00
Meteor.....	1.00 to 6.00
Mrs. Morgan.....	1.00 to 3.00
Perle.....	2.00 to 4.00
Sunrise.....	1.00 to 4.00
Carnations, Common, all colors...	.50 to .75
Selects.....	1.00 to 2.00
Adiantum Cuneatum.....	.50 to 1.00
Farleyense.....	8.00 to 10.00
Asparagus plumosus, Strings.....	40.00 to 60.00
Sprays.....	1.00 to 2.00
Sprengerii.....	1.00 to 3.00
Asters.....	.25 to 1.50
Chrysanthemums, Ordinary.....	8.00 to 15.00
Dahlias.....	.50 to 1.00
Glaudiolus.....	.75 to 2.40
Lilium Auratum.....	8.00 to 10.00
Speciosum.....	1.00 to 4.00
Harrisi.....	12.00 to 15.00
Longiflorum.....	12.00 to 15.00
Lily of the Valley.....	2.00 to 4.00
Smilax.....	10.00 to 15.00
Violets, ordinary.....	.25 to .60
Galax.....	.10 to .15
Leucothoe.....	.50 to .75
Common Ferns.....	.10 to .15

Boston, Sept. 16.

	Per 100
Beauties, Specials.....	\$25.00
Extra.....	\$15.00 to 20.00
No. 1.....	8.00 to 12.00
Shorts.....	2.00 to 6.00
Brides and Bridesmaids, Specials..	8.00
Extra.....	6.00
No. 1.....	4.00
No. 2.....	1.00 to 2.00
Carnot.....	1.00 to 8.00
Kaiserin.....	2.00 to 10.00
Liberty.....	1.00 to 10.00
Meteor.....	1.00 to 6.00
Carnations, Common.....	1.50
Selects.....	2.00
Fancies.....	3.00
Fair Maid.....	6.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, Strings.....	50.00
Sprays.....	1.00 to 2.00
Sprengerii, Sprays.....	1.00 to 4.00
Asters.....	.20 to 1.50
Callas.....	10.00 to 12.00
Glaudiolus.....	2.00 to 6.00
Lilium Auratum.....	8.00
Longiflorum.....	12.00
Lily of the Valley.....	2.00 to 4.00
Mignonette, Ordinary.....	1.00
Smilax.....	10.00 to 12.00
Tuberose.....	4.00
Galax.....	.15
Common Ferns.....	.10

FRANK H. TRAENDLY. CHARLES SCHENCK.
TRAENDLY & SCHENCK,
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Fancy or Dagger, 50c per 1000. Contracts made to supply the year around. Use our **Laurel Festooning**. It's the best decorative material to be found, we make it fresh daily. 4c, 5c and 6c per yd. Bargains in Galax, A No. 1 quality, Bronze or Green, 75c per 1000 in 10,000 lots. Mosses, &c. Send us your wants and be well satisfied.



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Wholesale and Retail
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GALAX, Bronze or Green,
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FERNS, Fancy, \$1.50 per 1000.
Dagger, .75
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HARRIS H. HAYDEN, Pres. WM. A. MOORE, Vice-Pres. JNO. E. WALKER, Sec. and Treas.
Mention Review when you write.

Wholesale Cut Flower Prices.

Chicago, Sept. 16.

	Per doz.
Beauties, 24-inch stems.....	\$2.50
" 20 ".....	2.00
" 15 ".....	1.50
" 12 ".....	1.00
Shorts.....	.75
	Per 100.
Bridesmaids, Specials.....	\$4.00 to \$6.00
Firsts.....	2.00 to 3.00
Seconds.....	1.00
Brides, Specials.....	4.00 to 6.00
Firsts.....	2.00 to 3.00
Seconds.....	1.00
Kaiserin.....	4.00 to 8.00
Liberty, Specials.....	8.00 to 10.00
Firsts.....	6.00 to 8.00
Seconds.....	3.00 to 5.00
Golden Gate, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Meteor, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Mme. Chatenay, Firsts.....	6.00 to 8.00
Seconds.....	3.00 to 5.00
Carnot, Firsts.....	6.00 to 8.00
Seconds.....	3.00 to 4.00
Ivory, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Perles, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Carnations, Fancy.....	1.50 to 2.00
Commons.....	1.00
Gladioli.....	2.00 to 5.00
Asters.....	1.00 to 2.00
Dahlias.....	1.00 to 4.00
Auratum Lilies.....	\$1.00 to \$1.50 doz
Valley.....	4.00
Tuberose.....	3.00 to 5.00
Adiantum cuneatum.....	.75 to 1.00
Asparagus plumosus, Strings.....	25.00 to 50.00
Sprays.....	2.00 to 3.00
Asparagus Sprengeri, Sprays.....	3.00 to 6.00
Smilax.....	\$1.25 to \$1.50 per doz.
Common ferns, per 1000.....	\$1.00 to \$1.50
Galax Leaves.....	\$1.50 per 1000

Milwaukee, Sept. 16.

	Per 100
Beauties, No. 1.....	\$12.50
Shorts.....	\$4.00 to 6.00
Brides and Maids, Specials.....	5.00
Extra.....	4.00
No. 1.....	3.00
No. 2.....	2.00
Golden Gate.....	4.00 to 6.00
Kaiserin.....	4.00 to 6.00
Liberty.....	4.00 to 6.00
Meteor.....	2.00 to 4.00
Perle.....	2.00 to 4.00
Carnations, Selects.....	1.50
Asparagus plumosus, Strings.....	50.00
Sprays.....	2.00 to 4.00
Sprengeri.....	2.00 to 4.00
Daisies.....	.50
Gladioli.....	2.00 to 3.00
Lilium Auratum.....	15.00
Speciosum.....	5.00
Smilax.....	10.00 to 12.50
Common Ferns.....	.20

Baltimore, Sept. 16.

	Per 100
Beauties.....	\$3.00 to \$8.00
Brides and Maids.....	2.00 to 4.00
Golden Gate.....	2.00 to 4.00
Perle.....	2.00 to 3.00
Cochet.....	1.50 to 2.50
Carnations, Commons, all colors.....	.50 to .75
Selects, white.....	.75 to 1.00
Asparagus plumosus, Sprays.....	1.50 to 2.00
Sprengeri, Sprays.....	1.50 to 2.00
Asters.....	.75 to 1.00
Hollyhocks.....	2.00 to 4.00

Trade is somewhat improved, with some weddings and more funerals. The weather has changed to summer, with higher temperature than for many weeks, and no rains.

AM well pleased with the REVIEW and enclose another dollar. I wish the southerners were better advertisers; expressage is a heavy item when plants come from the north.—MARY RYAN, Florist, Tuscaloosa, Ala.

ALBERT M. HERR

LANCASTER, PA.

Carnations, Geraniums,
Smilax, Asparagus.

Correspondence Solicited.

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Carnations
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Growers of.. **Cut Flowers**All telegraph and telephone orders
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F. F. BENTHEY, Manager.

Consignments Solicited.

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Telephone Central 3598.**SINNER BROS.**Wholesale Growers
and Shippers of **CUT FLOWERS**

58-60 WABASH AVE., CHICAGO, ILL.

With the Flower
Growers' Co.

Telephone—

Central 3067.

All telephone and telegraph orders
given prompt attention.

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Grower of Cut Flowers,

Special attention

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Telephone Central 3234.

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WHOLESALE DEALER IN AND
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Fresh Stock always ready for orders.

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of good quality always on hand.

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We need them regularly and can make good returns.

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SATURDAYS CLOSE AT 1:00 P. M.

1228 CHERRY STREET, PHILADELPHIA.

Wholesale Cut Flower Prices.

Cincinnati, Sept. 16.

	Per 100	\$20.00
Beauties, Extra.....	\$10.00 to	15.00
No. 1.....	4.00 to	6.00
Shorts.....	4.00 to	5.00
Brides and Maids, No. 1.....	2.00 to	3.00
No. 2.....	2.00 to	3.00
Golden Gates.....	2.00 to	4.00
Kaiserin.....	2.00 to	5.00
Liberty.....	2.00 to	4.00
Meteor.....	2.00 to	4.00
Perle.....	2.00 to	3.00
Carnations, Commons.....	.50 to	.75
Selects.....	1.00 to	1.50
Fancies.....	1.50 to	2.00
Adiantum Cuneatum.....	.50 to	1.50
Asparagus plumosus, Strings.....	35.00 to	50.00
Sprengerl, Sprays.....	2.00 to	4.00
Asters.....	.50 to	2.00
Dahlias.....	2.00 to	3.00
Gladiolus.....	2.00 to	3.00
Lily of the Valley.....	2.00 to	4.00
Smilax.....	12.50 to	15.00
Tuberose.....	2.00 to	3.00
Common Ferns.....		.15

Pittsburg, Sept. 16.

	Per 100	\$20.00
Beauties, Specials.....	\$20.00 to	\$25.00
Extra.....	12.00 to	15.00
No. 1.....	6.00 to	8.00
Shorts.....	2.00 to	4.00
Brides and Maids, Specials.....	3.00 to	4.00
Extra.....	1.50 to	2.00
No. 1.....	2.00 to	3.00
Kaiserin.....	2.00 to	3.00
Liberty.....	2.00 to	3.00
Carnations, Selects.....	1.00 to	1.50
Adiantum Cuneatum.....	.50 to	1.00
Asparagus plumosus, Strings.....	30.00 to	50.00
Sprengerl, Sprays.....	2.00 to	3.00
Asters.....	.25 to	1.00
Gladiolus.....	.50 to	3.00
Lily of the Valley.....	3.00 to	4.00
Smilax.....	10.00 to	12.50

ENCLOSED find the final payment on my Florists' Manual, by Wm. Scott, and permit me to say I never invested \$5 in a better way.—E. V. BUSHONG, Edgerton, O.

IRISH SHAMROCKS

Guaranteed the genuine thing.

We imported this stock the past year and you may be sure of getting the real stuff. No Oxalis or Clover. Very profitable and rapid seller at St. Patrick's Day.

Fine Rooted Cuttings, \$1.50 per 100: \$10.00 per 1000
2 1/2-in., full of 3.50 32.00

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ROCKLAND, MASS.

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The Anna Foster Fern.

Ready—Cut from bench for 6-in. at \$35 per 100. Beautiful plants. Pot plants 50c 75c. \$1. \$2. \$3. \$4 and \$5 each. Boston Fern—Large plants, cut from bench, at \$50 per 100. Kentia Palms—Cut from bench, at \$50 per 100. Asparagus Plu. Nanus—3-in. \$8 per 100. Asparagus sprengerl—2 1/4-in. \$3 per 100.

L. H. FOSTER, 45 King St., Dorchester, Mass.

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Manufacturers of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

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ARDISIAS, fine, healthy, strong plants, 5 and 6 inch, \$50.00 per 100.

A. SPRENGERI, strong plants, 3-in., \$4.00; 4-in., \$8.00; 5-in., \$15.00; 6 in., \$20.00 per 100.

A. PLUMOSUS, strong plants, 3-in., \$10.00 a 100.

POINSETTIAS, strong plants, 2 1/2-in., \$5.00; 3-in., \$7.50; 4-in., \$9.00 per 100

UMBRELLA PLANTS, strong plants, 4-in., \$7.00; 5-in., \$10.00 per 100.

BOSTON FERNS, fine, strong plants, 3-in., \$10.00; 4-in., \$20.00; 6-in., pans, \$10.00 per 100; 8-in. pans, \$1.00 each; 10-in. pans, \$1.25 each.

CHRYSANTHEMUMS, strong, bushy plants, 6-in. pots, \$15.00 per 100.

STEVIA, strong, bushy plants, 6-inch pots, \$12.50 per 100.

VINCA Variegata, strong plants, 4-inch, \$12.50 per 100; 6-in., \$20.00 per 100.

Surplus stock -- We must have room.

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Primroses—Chinese.....2 1/4 inch, \$2.00 per 100

Obconica.....2 1/4 " 2.10 "

Obconica in flats ready to pot, \$1.53 a 100, by mail

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Wholesale Cut Flower Prices.

St. Louis, Sept. 16.

	Per dozen	\$1.50 to \$2.00
Beauties, Specials.....	\$1.50 to	\$2.00
Extra.....	.75 to	1.00
Shorts.....	.50 to	.60
Brides and Maids, Specials.....	4.00 to	5.00
Extra.....	2.00 to	3.00
No. 2.....	.75 to	1.00
Carnot.....	4.00 to	5.00
Golden Gate.....	3.00 to	4.00
Kaiserin.....	3.00 to	4.00
Liberty.....	3.00 to	4.00
Meteor.....	3.00 to	4.00
Perle.....	3.00 to	4.00
Sunrise.....	3.00 to	4.00
Carnations, Commons, all colors.....	.75 to	1.00
Fancies, White.....	1.00 to	2.00
Adiantum Cuneatum.....	1.00 to	1.25
Adiantum Farleyense.....	1.00 to	1.25
Asparagus plumosus, Strings.....	35.00 to	50.00
Sprengerl, Sprays.....	1.00 to	1.50
Sprengerl,.....	1.00 to	1.50
Asters.....	1.00 to	2.00
Gladiolus.....	2.00 to	3.00
Lily of the Valley.....	3.00 to	4.00
Smilax.....	12.50 to	15.00
Tuberose.....	3.00 to	4.00
Tulips, Single.....	3.00 to	4.00
Galax.....		.15
Common Ferns.....		.15

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2319 AVENUE M, **Galveston, Tex.**

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311 SUTTER ST., **SAN FRANCISCO, CAL.**

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25-27 Post Street, **San Francisco, Cal.**

Siebrecht & Son,

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Fill all orders for Florists
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Will take care of your orders. New York deliveries by our own messengers every day. We grow all our own flowers. Phone, wire or write us.

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86 in. wide. 80 in. deep. 74 in high.

SPECIAL DESIGNS BUILT TO ORDER

Also we have stock sizes of very neat design ready for prompt shipment.

Noted for absolutely dry interior, thus avoiding entirely the sweating of glass.

The positive circulation of pure cold air within keeps the flowers in perfect condition.

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McCRAY REFRIGERATOR CO.

316 Mill Street, Kendallville, Ind.

Branch Offices and Salesrooms: Chicago, 55 Wabash Ave.; St. Louis, 44 N. Third St.; San Francisco, 122 Market St.; Pittsburg, 710 Penn Ave.; New York, 341 Broadway; Detroit 305 Woodward Ave.; Columbia, S. C., 1210 Main St.; Boston, 52 Commercial St.; Columbus, O., 356 N. High St.; Cleveland, O., 64 Prospect St.

Address Main Office unless you reside in one of the above named cities.

Mention The Review when you write.

RETAIL FLORISTS.

(CONTINUED.)

YOU WILL FIND ALL THE BEST
OFFERS ALL THE TIME IN THE
REVIEW'S CLASSIFIED ADVS.

HUGH GRAHAM

104 So. 13th Street, Philadelphia.

I am in a position to handle any orders for Philadelphia or vicinity, either large or small; would be pleased to have correspondence with the trade in general.
Our facilities for handling orders, either for flowers or plants, are of the very best.

U. J. VIRGIN,

838 Canal Street, NEW ORLEANS, LA.

S. B. Stewart,

119 No. 16th Street, OMAHA, NEB.

FRESH SELECTED

Galax Leaves

No Trash.
Wholesale Trade Solicited.

ED. S. LOVEN, - Linville, N. C.

Galax and Leucothoes

Quality Guaranteed.
Wholesale Trade Solicited.

A. J. Taylor, Montezuma, N. C.

Mention the Review when you write.

SAN FRANCISCO.

The Market.

September bids fair to be our warmest month, the same as last year. We have had no rain since April and only a few showers in that month, and things look rather dry in consequence. Business is extremely quiet, as it has been for the last two weeks. Flowers are very plentiful and very slow sale. Asters are on the wane and chrysanthemums will be here in full force in a couple of weeks. I have never seen asters so cheap as they were this season. They are cultivated and sold almost exclusively by the Chinese gardeners in the neighborhood of San Mateo, and it is hard to understand how they can make any money at the prices the flowers were bought for during the last four weeks. Today I saw twenty dozen Semple's pink, large flowers and long stems, just as good as it is possible to grow them, sold for 50 cents. The celestials have taken all the aster growing in their own hands and they are

welcome to it. Most of the growers of carnations seem to be off crop at present and good flowers are not overplentiful. Roses are scarce enough, except white, and they are of good quality. Some very good Brides are seen from Burlingame. Beauties, however, are not up to form or color. Bridesmaids and Testouts seem to be badly affected with mildew, although I saw some fancy stock today from Ferrari Brothers.

We have had a few Princess of Wales violets for the last couple of weeks, from Ocean View, but they are weak and flabby and will not be good until we get cooler weather. Valley is in good demand and Lilium longiflorum and the various Japanese lilies fill in nicely for large sprays or bouquets. Smilax is more plentiful and is very cheap. Florists in general seem to anticipate a good season's business as soon as the fall trade commences, and I think there will be enough trade to go around in a few weeks. I do not think that, on the whole, business was as good for the past three months as it was twelve months ago, but we may more than make it up in the three or four months to come. G.

CINCINNATI, O.—Stewart Shillito will build a \$1,200 greenhouse at his place in East Walnut Hills.

THERE is no paper that comes to me which is read with more real interest and benefit than your excellent publication, and I trust it may remain with us long, and continue to improve.—WM. M. LINDSAY, Birmingham, Ala.

CLASSIFIED PLANT ADVERTISEMENTS.

Rates for advertisements under this head, 10 cents a line net, per insertion. New ads. and changes must reach us by Wednesday morning at latest to secure proper classification in issue of Thursday.

ABUTILONS.

Abutilon Souv. de Bonne (variegated), fine, bushy plants in 4½-in. pots, \$20.00 per 100. Cash with order.
S. Muir, 3530 Michigan Ave., Chicago.

New abutilon Pink Beauty, novelty, 2½-in., \$4.00 per doz.
Ozone Park Nurseries, Ozone Park, L. I., N. Y.
Abutilons in variety, 2½-in., \$2.50 100; \$20.00 1000. R. Vincent, Jr., & Son, White Marsh, Md.

ACALYPHAS.

Acalypha Macafeana, \$3.50 100.
R. Vincent, Jr. & Son, White Marsh, Md.

ALTERNANTHERAS.

Alternantheras, 1200 R. C. of red alternantheras, August struck, 60c per 100.
Jacob Rohr, Naperville, Ill.

ALYSSUM.

2500 Giant dbl. alyssum, 3-in. pots, \$3.00 per 100; \$25.00 per 1000. Cash, please.
E. J. Cloud, L. B. 32, Avondale, Pa.

Alyssum, 3-in., strong plants, \$3.50 100. Cash. Converse Greenhouses, Webster, Mass.

Dbl.-flowering alyssum, 3-in., \$4.00 100. Thorn Hedge Greenhouses, Newtown Square, Pa.

Alyssum, double, 2½-in. pots, \$3.00 100.
N. Smith & Son, Adrian, Mich.

AMPELOPSIS.

Ampelopsis Veitchii, strong seedlings, \$1.00 100. Cash. Chas. B. Stahl, 27 S. 11th St., Phila.

ARAUCARIAS.

Araucaria excelsa, raised in Belgium from top cuttings only. Tiers. High. Each.
5½-in. pots.....3 to 4 10 to 12 in. 50c
5½-in. pots.....3 to 4 10 to 12 in. 60c
5½-in. pots.....3 to 4 13 to 15 in. 75c
6-in. pots, 4 to 5 tiers, 16 to 19 inches high, 80c, 90c and \$1.00 each.
GODFREY ASCHMANN, 1012 Ontario St., Philadelphia, Pa.

Araucaria excelsa, 2-in. pots, 2 tiers, \$16.00 100. A. imbricata, 2½-in. pots, strong plants, \$10.00 100.
F. LUDEMANN, 3041 Baker St., San Francisco, Cal.

Araucaria excelsa. We have a fine stock of this desirable plant in all sizes, from 75c to \$2.00 each; perfect tiers. Satisfaction guaranteed.
Ozone Park Nurseries, Ozone Park, L. I., N. Y.

Araucaria excelsa; perfect beauties, 3 to 4 tiers, 5-in. pots, 10 and 12-in. high, \$5.50 doz.; \$42.50 100.
T. N. Yates & Co., Mt. Airy, Phila., Pa.

Araucaria excelsa, strong, stocky 3 and 4 tiers, 5-in., \$1.00 ea. Ridge Lawn Greenhouses, Pine Ridge, Buffalo, N. Y.

ARDISIAS.

Ardisia, fine, strong plants, 5 and 6-in., \$5.00 100. Bentzen Floral Co., 4025 Marcus Ave., St. Louis, Mo.

The Florists' Manual, by William Scott, is a whole Library on Commercial Floriculture. Send for terms on the installment plan. Florists' Pub. Co., 334 Dearborn St., Chicago.

ASPARAGUS.

Asparagus Sprenger, 3-in., \$4.00 100; 4-in., \$8.00; 5-in., \$15.00; 6-in., \$25.00. A. plumosus, 3-in., \$10.00 100. All strong plants.
Bentzen Floral Co., 4025 Marcus Ave., St. Louis, Mo.

Asparagus plumosus, from 4-in. pots, \$12.50 per 100. Asparagus Sprenger, from 3½-in. pots, \$6.00 per 100. Extra strong, \$8.00 per 100. Cash with order.
HENRY H. BARROWS & SON, Whitman, Mass.

Asparagus Sprenger, field-grown, strong plants, from 6-in. pots, will take 7-in. to 8-in. pots, \$25.00 100.

A. M. Davenport, 88 Grove St., Watertown, Mass.

Asparagus plumosus nanus, strong 2½-in., \$5.00 100; \$25.00 1000. A. Sprenger, \$2.00 100; \$15.00 1000. Cash, please.
G. M. Naumann, Doan St., Cleveland, O.

Asparagus plumosus plants, 2-yrs.-old, \$5.00 100; fine for strings. Asparagus Sprenger, 2½-in. pots, extra, \$2.50 100.
JOSEPH WOOD, Spring Valley, New York.

Asparagus plumosus, 2-in., \$5.00; 3-in., \$8.00; 4-in., \$15.00 100. Sprenger, 2-in., \$3.50; 3-in., \$5.00; 4-in., \$10.00 100.

Geo. A. Kuhl, Pekin, Ill.

Asparagus Sprenger, from flats transplanted, \$5.00 per 1000. To clean out. Express prepaid to your city.

CALIFORNIA CARNATION CO., Loomis, Cal.

Asparagus Sprenger, from flats, \$1.00 100, \$6.00 1000; 5000 for \$25.00; 2½-in., \$1.50 100, \$12.50 1000.

S. Whitton, 15 Gray Ave., Utica, N. Y.

Well-grown Asparagus Sprenger, from 3-in., \$2.50 100, \$20.00 1000; seedlings, 75c 100, \$5.00 1000.

S. S. PENNOCK, 1612 Ludlow St., Philadelphia.

Plumosus nanus, 2½-in. pots, \$3.50 per 100. Sprenger, 2½-in., \$2.25 per 100; \$20.00 per 1000.

JACKSON & PERKINS Co., Newark, New York.

Asparagus plumosus, fine plants, in 2 and 2½-in., ready for 3-in., \$3.00 per 100; \$25.00 per 1000. Theodore Miller, Ironton, Ohio.

ASPARGUS PLUMOSUS NANUS.

Cut strings, 50 cents each.

W. H. ELLIOTT, BRIGHTON, MASS.

Asparagus Sprenger, good, strong plants. Per 100: 2-in., \$2.00; 3-in., \$5.00; 4-in., \$8.00.

A. G. Fehr, Belleville, Ill.

Asparagus Sprenger, 2-in., \$2.00; 2½-in., \$2.50; 3-in., \$3.00 100. Express prepaid.

LOOMIS FLORAL CO., Loomis, Cal.

Asparagus plumosus, strong plants, 3-in., \$5.00 per 100; 3½-in., \$8.00 per 100.

Maurice J. Brinton, Christiansa, Pa.

Asparagus Sprenger, 2-in. pots, \$2.00 100. A. plumosus nanus, \$2.50 100. Cash.

Jos. H. Cunningham, Delaware, Ohio.

Plumosus nanus, 3-in. pots, fine, strong plants, \$8.00 100. Cash with order.

Joseph Towell, Paterson, N. J.

Asparagus Sprenger and plumosus, extra strong, 2-in., \$30.00 1000.

C. BETSCHER, Canal Dover, O.

Asparagus Sprenger, Feb. sown seed, 2-in. pots, \$2.00 100. Cash.

John Brod, Niles Center, Ill.

Plumosus nanus, 3-in., \$8.00 100. Sprenger, 2½-in., \$3.00 100.

L. H. Foster, Dorchester, Mass.

Asparagus plumosus, 3-in., at the rate of \$10.00 per 100.

Godfrey Aschmann, 1012 Ontario St., Phila.

Asparagus plumosus, strong plants, 6-in., \$25.00 100.

Thorn Hedge Greenhouses, Newtown Square, Pa.

Asparagus plumosus, 2½-in., \$4.00 100; 3-in., \$6.00 100.

S. M. Harbison, Danville, Ky.

Asparagus plumosus, 2½-in., \$3.50 100; \$30.00 1000. Cash. W. F. Kasting, Buffalo, N. Y.

Asparagus plumosus, 2-in. pots, \$3.00 per 100.

Wm. Keir, Pikeville, Md.

Asparagus plumosus nanus, 2½-in., \$4.00 100.

H. Weston, Hempstead, N. Y.

Asparagus Sprenger, 2½-in., \$1.00 per 100. The Iola Greenhouses, Iola, Kan.

Sprenger, large sizes, low prices. Write

RONEY BROS., West Grove, Pa.

Asparagus Sprenger, 2-in., \$2.50 per 100.

C. Winterlich, Defiance, Ohio.

Asparagus Sprenger, 2-in., \$1.50 100.

E. I. Rawlings, Quakertown, Pa.

Asparagus plumosus, all sizes.

A. S. MACBEAN, Lakewood, N. J.

The CHEAPEST way, the EASIEST way, and the BEST way to get rid of that surplus stock is to use the REVIEW'S classified ads.

ASPIDISTRAS.

Aspidistras, green, 4-in., \$1.50 doz.; 5-in., \$2.50 doz.; variegated, 4-in., \$2.50 doz.; 5-in., \$3.50 doz. Cash.

Joseph Heint, Jacksonville, Ill.

Aspidistras. Cheaper than they can be imported. 5 and 6 leaves, 5-in. pots, \$2.25 doz., \$18.00 100.

T. N. Yates & Co., Mt. Airy, Phila., Pa.

Aspidistra lurida, 4-in., \$25.00 100.

A. G. Fehr, Belleville, Ill.

AZALEAS.

Azalea indica for Xmas blooming, fine plants, pot-grown, from 40c to 75c each. Also for Easter blooming, 10 to 20 varieties, from 40c to \$1.50 each.

Godfrey Aschmann, 1012 Ontario St., Phila.

BAY TREES.

Bay Trees. Have just received a fine lot of standards and pyramids.

F. W. O. Schmitz, Prince Bay, N. Y.

Among our specialties, bay trees, boxwood palms, evergreens, etc.

BOBBINK & ATKINS, Rutherford, N. J.

BEGONIAS.

Lorraine begonias. I have good, healthy plants from 2½-in. pots, taken from sand end of July and early August. Will make good plants in 4-in. and 5-in. pots for Christmas. "The Size That Tells." Largest, \$12.00; smaller, \$10.00 per 100. Would exchange for Boston Ferns from 4-in. pots. Cash with order.

John Doughty, Kimberly Av., New Haven, Conn.

Rex Begonia, fine varieties in perfect condition, 3½ and 4-in., 6c. B. argentea, 4-in. pots, 4c. Cash please.

R. G. Hanford, Norwalk, Conn.

Rex begonias, a number of the best varieties, 2-in., \$4.00 100. Begonia aurea manicata, 2-in., \$4.00 100.

N. O. CASWELL, Delavan, Ill.

Begonia Pres. Carnot, 4-in., \$1.00 doz. Vernon, 4-in., in bloom, 75c doz.

Godfrey Aschmann, 1012 Ontario St., Phila.

Begonias, in assortment, 2½-in., \$2.50 100; 3-in., \$4.00 100. Fine.

Hammerschmidt & Clark, Medina, O.

Mammoth begonias, in flower, 4-in., \$8.00 100.

S. Whitton, 15-17 Gray Ave., Utica, N. Y.

Begonia de Lorraine, 2½-in., \$15.00 100; \$140.00 1000. Julius Roehrs, Rutherford, N. J.

STAR BEGONIAS. Good plants, \$4.00 per 100. Cash. C. W. Baker, Springfield, Ohio.

BERRIED PLANTS.

Solanum elaeagnifolium or Adam's apple, large, bright red berries, 3-in. pots, 5c; 4-in. pots, 10c. Solanum annuum or celestial peppers, 4-in. pots, 10c. Solanum capsicastrum or Jerusalem cherry, large berry, var., 3-in. pots, 5c. Plants are strong and clean and ready to shift. Satisfaction guaranteed. Cash.

M. F. La Roche, Collingdale, Pa.

Celestial peppers, fine plants and full of fruit, in 5-in. pots; beautiful for table decoration, 50c.

Mrs. Chas. Duntze, 1989 Madison Ave., Memphis, Tenn.

Jerusalem cherry trees, field-grown, dwarf and bushy, well set with berries, \$8.00 100. Cash. Converse Greenhouses, Webster, Mass.

Christmas Peppers, fine plants out of 2½-in., \$2.00 100; \$15.00 1000.

J. C. Schmidt, Bristol, Pa.

Celestial peppers, 5-in., \$1.50 doz., \$12.00 100. Oechslein Bros., 1688 W. Madison St., Chicago.

BOUVARDIAS.

Bouvardias, pink and white, strong plants from field, \$8.00 100. C. E. Meehan, Slocum and Musgrove, Germantown, Pa.

Pink and white bouvardias, \$8.00 per 100; less than 100 lots, \$10.00 per 100.

LEO NIESSEN, 1217 Arch st., Phila., Pa.

BOX WOOD.

Among our specialties, boxwood, bay trees, palms, evergreens, etc.

BOBBINK & ATKINS, Rutherford, N. J.

BULBS.

NOW READY. White Roman Hyacinths and P. W. G. Narcissus. 100, 1000. Hyacinths, 12-15 cms. \$2.90 \$26.00. Narcissus, 13 cms. and over. 1.00 9.00. Freesias, Bermuda-grown, fine bulbs, 10c doz. 60c 100, \$5.00 1000.

Selected Dutch bulbs, ready for delivery. Go our prices.

JOHNSON & STOKES, 217-219 Market St. Philadelphia, Pa.

Special offer of Paper White narcissus. We have a shipment of these bulbs coming this week from Marseilles, France, which we are selling at \$7.50 per 1000, in cases of 1300 and 1400 each. Order at once.

N. Le Page, 46 S. 12th Ave., Mt. Vernon, N. Y.

WE HAVE NOW—L. Candidum, Harriall and Longiflorum, Callas, Freesias, Romans, Paper White Narcissus, etc.

ARRIVED THIS WEEK—Dutch Hyacinths, Tulips, Narcissus, Crocus, etc.

W. W. BARNARD & CO., 161 Kinzie St. Chicago.

PLEASE MENTION THE REVIEW WHEN WRITING ANY OF THESE ADVERTISERS.

FRENCH BULBS in finest condition.

White Roman Hy., 11x12.....	80c	\$2.00	1000.
White Roman Hy., 11x15.....	40c	2.50	23.00
White Roman Hy., 12x15.....	45c	2.75	25.00
White Roman Hy., 13x15.....	50c	3.25	30.00
Blue or Rose Romans, large bulbs.....	35c	2.25	20.00
White Italian Hy., red skinned.....	40c	2.50	23.00
Trumpet Major Narcissus, best Christmas forcer.....	20c	1.00	9.50
Paper White, true grandiflora, 13 cms. up.....	20c	1.00	8.50
Freesia, extra fine white flowering large bulbs.....	10c	.75	4.00
Freesia, extra fine white flowering, select bulbs.....	05c	.50	4.00
Dutch Bulbs. Hyacinths; Tulips; Narcissus Von Slon, extra double nosed; Crocus, etc., all in stock. Send for our special price list.			
Lilies. Lil. Harrisii, Semper Idem brand. The plumpest, cleanest, healthiest bulb. Small surplus offered, 5x7, 12, 50c; 100, \$3.00; case of 400, \$11.00. 6x7, 12, 60c; 100, \$4.25; case of 300, \$12.00. 7x9, 12, 90c; 100, \$7.00; case of 200, \$13.00.			

Specially favorable prices on 1000 lots.
Lil. Longiflorum, Japan grown, just arrived. Will be scarce. 6x8, 12, 40c; 100, \$2.50; 1000, \$23.00. 7x9, 12, 60c; 100, \$3.75; 1000, \$35.00.
Lil. Longiflorum Multiflorum, the early flowering sort, 10 per cent higher.
Lil. Candidum, St. Joseph's Lily, 12, 75c; 100, \$5.00.
Amaryllis Belladonna, 1st size, 12, 75c; 100, \$5.00.
Amaryllis Belladonna, extra large bulbs, 12, 85c; 100, \$6.00.
Amaryllis Johnsoni, monsters, each, 30c; 12, \$3.00. Amaryllis Johnsoni, large bulbs, each, 25c; 12, \$2.50.
H. H. BERGER & CO., 47 Barclay St., N. Y.

We have a large stock of extra fine strong bulbs of LILIUM HARRISII, DUTCH HYACINTHS, NARCISSI, etc. Send for our price list before ordering.
J. M. THORNBURN & CO., 36 Cortlandt St., N. Y.

Longiflorums, Harrisii, freesias, oxalis, callas now ready. Send for our annual trade list of bulbs.
W. W. RAWSON & CO., Boston, Mass.

Bulbs, Plants, Seeds, Hyacinths, Tulips, Narcissus, Lilies, etc. Special prices on application. JAMES VICK'S SONS, Rochester, N. Y.

Prices on all fall and winter bulbs, plants and roots cheerfully given by
F. W. O. Schmitz, Prince Bay, N. Y.

A few hundred extra fine Liliun Harrisii, 9x11 at a bargain. Write
Geo. A. Kuhl, Pekin, Ill.

Calla and belladonna bulbs for sale.
California Nursery Co., Niles, Cal.

Calla bulbs, \$4.00 per 100.
Gustav Noack, Batavia, N. Y.

CARNATIONS.

FIELD-GROWN CARNATIONS.
Fine, healthy plants, guaranteed to be satisfactory.

	Per 100.	Per 1,000
Flora Hill	\$5.00	\$45.00
White Cloud	5.00	40.00
Norway	5.00	40.00
Queen Louise	5.00	45.00
Her Majesty	7.00	60.00
Prosperity	7.00	60.00
Guardian Angel (Sport).....	4.00	35.00
Lawson	6.00	55.00
Marquis	4.00	35.00
Mrs. Higginbotham	5.00	45.00
Mrs. Potter Palmer.....	5.00	45.00
America	4.00	30.00
Orane	5.00	.....
Estelle	5.00	.....
Chicago (Red Bradt).....	5.00	.....

WETOR BROS., 51 Wabash Ave., Chicago, Ill.

FIELD-GROWN CARNATIONS.
It has been a good growing season and plants are in fine shape, strong and bushy.

	100.	1000.
G. Angel	\$4.00	\$35.00
Norway	5.00	40.00
Lord	3.00	25.00
Dorothy	6.00	50.00
Triumph	4.00	35.00
Nelson	6.00	50.00
Crane	5.00	40.00
Prosperity	5.00	40.00
Palmer	4.00	35.00
Gaiety	5.00	.....

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded. Cannot accept orders for less than 50 of a variety.
P. REINBERG, 51 Wabash Ave., Chicago.

Field-grown carnations, clean plants.	
Dorothy, D. Whitney,	
Higginbotham, Palmer,	
Lord, Crane,	
Marquis, Mrs. Wood,	
Joost, Norway,	
Crocker, Roosevelt,	
Alba, Estelle,	
\$5.00 per 100; 2nd size, \$3.00 per 100.	
Apollo and Prosperity, \$6.00 per 100.	
Terms cash.	
Joseph Heintz, Jacksonville, Ill.	

WESTERN GROWERS SAVE TIME
and express on carnation plants. 2000 Wm. Scott and 2000 Alaska, \$2.50 100; 2000 Mary Wood, \$3.00 100. Cash from unknown parties.
WM. L. ROCK FLOWER CO., Kansas City, Mo.

Field-grown carnation plants, strong and healthy.

Hill	\$5.00	\$40.00
G. Angel.....	\$4.00	\$35.00
W. Cloud.....	5.00	40.00
Joost	8.00	25.00
Q. Louise.....	5.00	40.00
Marquis	3.00	25.00
Norway	4.00	35.00
Lord	3.00	25.00
Triumph	4.00	35.00

All plants guaranteed A No. 1. If not satisfactory when received, return at once and get your money back.
GEO. REINBERG, 51 Wabash Ave., Chicago.

FIELD-GROWN CARNATIONS NOW READY.

2000 Crocker.....	800	Joost.....	1000
1000 Fisher.....	450	Scott.....	1000
100 Marquis.....			

\$5.00 per 100; \$45.00 per 1000.

Also about 3500 Portia, 1000 Genevieve Lord and 200 Joost, \$3.50 per 100; \$30.00 per 1000. Cash with order from unknown parties.
WM. F. KASTING, Buffalo, N. Y.

Carnation plants, only first-class plants shipped. All plant orders will be sent from Hinsdale.
500 White Cloud
2000 Prosperity 1000 Norway
1000 Floriana
at \$5.00 per 100.

BASSETT & WASHBURN, 76 Wabash Ave. Chicago.

Field-grown carnation plants. Strong, healthy and free from disease.

Norway	\$5.00	\$45.00
Nelson	\$6.00	\$55.00
Glacier	5.00	45.00
Wolcott	6.00	55.00
Alba	5.00	45.00
Estelle	6.00	55.00
Joost	4.50	40.00

A. C. CANFIELD, Springfield, Ill.

Field-grown carnations. Per 100:

200 Roosevelt	\$7.00	500 Wolcott	\$5.00
100 Norway	7.00	300 Dorothy	7.00
200 Alba	7.00	400 Joost	7.00
100 Crocker	7.00	400 Glacier	7.00

Cash or C. O. D.
W. J. & M. S. Vesey, Fort Wayne, Ind.

Field-grown carnation plants, clean, strong and bushy.

America	\$4.00	\$35.00
Joost	\$3.00	\$25.00
Gomez	4.00	35.00
Scott	3.00	25.00

A. B. EVERETT, Berteau and No. Oakley Aves., Chicago.

Carnations. Field-grown, splendid plants.

520 Morning Glory.....	250	Marquis.....	100
170 Joost.....	80	Genevieve Lord.....	100
40 Gomez.....			

CENTRAL MICHIGAN NURSERY, Kalamazoo, Mich.

Carnation plants, field-grown, strong, healthy stock. Prosperity, \$7.00 100. Mrs. G. Bradt, \$7.00 100; \$60.00 1000. Joost, \$6.00 100; \$50.00 1000. Melba, \$5.00 100; \$45.00 1000. MacRichmond, \$5.00 100; \$45.00 1000.
I. H. MOSS, Govanstown, Baltimore, Md.

Strong, healthy field-grown carnations. Elm City, Joost, Prosperity, \$7.00 100. Mrs. G. Bradt, \$7.00 100; \$60.00 1000. Joost, \$6.00 100; \$50.00 1000. Melba, \$5.00 100; \$45.00 1000. MacRichmond, \$5.00 100; \$45.00 1000.
I. H. MOSS, Govanstown, Baltimore, Md.

F. H. KIMBERLY, New Haven, Conn.

Carnations extra large size, clean and healthy. Prosperity, \$8.00 100; Ethel Crocker, Gen. Gomez, \$5.00 100; Gen. Maceo, second size, \$3.00 per 100.
F. Schnackenberg, 382 Clarkson St., Flatbush, L. I., N. Y.

About 2000 field-grown carnations, good, healthy plants of following varieties: Estelle, Crane, Lawson, \$6.00 per 100; Morning Glory, Flora Hill, White Cloud, Ethel Crocker, \$5.00 per 100.
Crown Point Floral Co., Crown Point, Ind.

Carnations. Fine plants of Crane, America, Morning Glory, Marquis, Joost, Gomez and Flora Hill, \$3.00 to \$5.00 per 100; \$25.00 to \$40.00 per 1000. Prompt shipment and well packed.
W. H. Watson, Son & Co., Lapeer, Mich.

Extra strong field plants—

Fair Maid	100.	1000.
Challenger, red	\$6.00	\$50.00
Cressbrook, medium sized plants.....	5.00	40.00
C. Warburton, Fall River, Mass.		

Fine field-grown carnation plants. This is very nice, healthy stock. Flora Hill, Queen Louise, Marquis, Crane, Morning Glory, 1st size, \$4.00; 2nd size, \$3.00, Joost, McGowan, \$3.00.
SUNNYSIDE GREENHOUSES, Owosso, Mich.

4,000 extra fine Joost carnations out of field. Also a few Hoosier Maid, McGowan, Mary Wood, Estelle, Crane, Viola Allen, Angel and Higginbotham, at \$5.00 100. Write
Geo. A. Kuhl, Pekin, Ill.

Field-grown carnations. Fine plants of Prosperity, 8c each; Lawson, Gov. Roosevelt, 6c each; Crane, White Cloud, Hill, Marquis, 5c each; Daybreak, Crocker, 4c each.
FRANK BERRY, Stillwater, Minn.

Field-grown carnations. 700 Evanston, 250 Crane and 200 Hill, 3c. Good stock.
KRING BROS., Fairbury, Ill.

250 Ethel Crocker, field-grown, \$4.00 100. Cash.
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Latanias, 7-in., \$1.00. Latanias, Phoenixes, Coryota urens, Chamaecrops, ready for 4-in., 6c. 10 per cent discount per 100. Cash.
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2500 Kentia Belmoreana, with 2 to 3 leaves. In 2 1/2-in. pots. Will sell cheap. Ask for price.
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Kentia Forsteriana, 36 to 42 in. high, 5 1/2-in. pots, 75c to \$1.00 each.
Godfrey Aschmann, 1012 Ontario St., Phila.

Among our specialties, palms, bay trees, boxwood, evergreens, etc.
BOBBINK & ATKINS, Rutherford, N. J.

Latania borbonica, 5 ft., \$3.00 each; 3 ft., \$1.25 each.
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Palms and decorative plants. Send for price list.
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For Pansy Seed see under heading "Seeds."

A few hundred thousand excellent plants of Florists' International; strong plants from seed bed, \$5.00 per 1000. Giant pansies mixed, \$3.00 per 1000. Cash with order. Also stock plants and cuttings of geraniums, vinca var., coleus and many other bedding plants.

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Pansies, fine, strong plants, elegant mixed colors, now ready to plant, 75c 100; \$4.00 1000. Cash with order. Ch. F. Drawiel, 433 Fifth Ave., Brooklyn, N. Y.

Pansies. Roemer's extra select superb giant prize pansy plants, mixed colors, \$3.00 1000; \$25.00 10,000. Cash with order.
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Pansy plants grown from Bugnot and Cassier strains, fine transplanted plants, \$5.00 per 1000; \$40.00 per 10,000.
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100,000 pansies, finest plants grown from my own seed, at \$4.00 per 1000. No order filled for less than 500.
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Light-pink peonies, \$5.00 per 100; \$40.00 per 1000. Tree peonies, \$3.00 per doz. For other kinds write
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Peonies our specialty. Best collection. Strong plants, true to name; catalogue free.
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The Florists' Manual, by William Scott, is a whole Library on Commercial Floriculture.

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Poinsettias, strong plants, 2 1/2-in., \$5.00 100; 3-in., \$7.50; 4-in., \$9.00.
Bentzen Floral Co., 4025 Marcus Ave., St. Louis, Mo.

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C. A. REIMERS, Station A, Louisville, Ky.

Poinsettias, 1-year-old, 4-in., \$12.00 per 100.
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Primroses shifted into 5-in. pans now are sure to be in bloom for Christmas and bring good prices. We offer extra strong 3-in. stock, ready for 5-in. pans at \$5.00 100. 2 1/2-in. pots, \$3.00 100. No better strain grown.
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Primroses, best varieties, strong plants ready to shift. Chinese, 2 1/2-in., \$2.50 100, \$20.00 1000; 3-in., \$5.00 100. Obconica grandiflora, alba, roses and fimbriata, 2 1/2-in., \$3.00 100, \$25.00 1000.
Oechslein Bros., 1688 W. Madison St., Chicago.

PRIMULA CHINENSIS FIMBRIATA (fringed primroses). No finer strain on the market. From 2 1/2-in. pots, \$3.00 per 100; from 3-in. pots, \$5.00 per 100; from 3 1/2-in. pots, \$7.00 per 100.
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Primroses, Chinese and obconica, 2 1/2-in., \$2.00 100. Obconica from flats, ready to pot, \$1.50 100 by mail. C. Whitton, City St., Utica, N. Y.

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PRIMULAS—Continued.

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Fine healthy stock from selected cuttings. Sunrise, American Beauty, La France, 3-in., \$7.00 100.

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GRAFTED ROSES, fine bushy plants in 3½ and 4-in. pots. Liberty and Ivory, \$15.00 100. Bride, Golden Gate, Maid and Kaiserin, \$12.00 100. J. L. DILLON, Bloomsburg, Pa.

American Beauties 200 4-in., \$10.00 100
 Meteors 300 4-in., 7.00 100
 Bridesmaids 50 4-in., 7.00 100
 Balduin 200 2½-in., 4.00 100
 Cash or C. O. D.

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Roses. Strong, clean stock at special low prices to make room. Bride, Ivory, Gate, Meteor, 3-in., \$4.00 100; \$35.00 1000. Bride, Maid, Ivory, Gate, 2½-in., \$2.50 100; \$20.00 1000. Kaiserin, 3-in., \$6.00 100. W. H. Gullett & Sons, Lincoln, Ill.

ROSE PLANTS. 740 3-in. Maids, 220 3½-in. Maids, 50 4-in. Maids, 120 3-in. Brides, 680 3½-in. Brides and 290 2½-in. Bon Silene, \$6.00 per 100; \$50.00 per 1000. Cash from unknown parties. WM. F. KASTING, Buffalo, N. Y.

ROSE PLANTS, healthy and strong. Beauties, 3-in., \$6.00; 3½-in., \$8.00 per 100. Brides, 3-in., \$5.00; 4-in., \$7.00 100. Maids, 3-in., \$4.00; 4-in., \$7.00 100. A. C. BROWN, Springfield, Ill.

500 Bride roses, 3-in., ought to have been shifted a month ago. Will send sample. Make an offer. J. J. Cummings, W. Baltimore St. Baltimore, Md.

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Roses. Bride, Gate, Maid, Beauty, 3-in., strong, \$6.00 per 100. Beauty, 4-in. \$10.00 per 100. L. J. Stuppy, St. Joseph, Mo.

Roses, Brides and Bridesmaids, strong, healthy plants from 3½-inch pots, \$5.00 100; \$50.00 1000. H. E. Wilson, Rochester, N. Y.

Ivory, Bride, Maid and Wootton, strong 3-in. pot plants, \$4.00 100. Cash. Joseph Heint, Jacksonville, Ill.

Maid, Perle, Meteor, Ivory and Gate roses, fine 3-inch, \$4.00 per 100. C. C. POLLWORTH CO., Milwaukee, Wis.

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Roses, Bride and Bridesmaid, 3½-in. pots, \$5.00 per 100. F. C. SCHWEINFURTH, Bronxville, N. Y.

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Ficus elastica, imported, 4-in., 25c each; 6-in., \$4.00 to \$5.00 doz. Godfrey Aschmann, 1012 Ontario St., Phila.

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Rubbers, 5-in., 35c. N. Studer, Anacostia, D. C.

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WINTERING FLOWERING sweet pea seed, for forcing only—Zvolanek's Christmas, pink, and Florence Denzer, pure white. Stock seed of these varieties is carefully selected in my greenhouses from stems over 14 inches long. Seed sown first of Sept. will bloom for Christmas. Sown in Dec., after the late mums, will bloom in Feb. New crop seed, 75c pkt., \$2.50 lb. Only small quantity left. Order quick. ANT. C. ZVOLANEK, Grand View, N. J.

XXX SEEDS. Chinese primrose, large-flowering, fringed, single and double; 15 varieties, mixed, 500 seeds, \$1.00; half pkt., 50c. Cinerarias, large-flowering, dwarf, mixed, 1000 seeds, 50c. Daisy, double giant, white and rose, mixed, 1000 seeds 25c. Giant pansy seed, large-flowering, critically selected, 5000 \$1.00; half pkt., 50c. 500 seeds of giant Mme. Perret added to every \$1.00 pkt. of giant pansy seed. JOHN F. RUPP, Shiremanstown, Pa.

Hollyhocks, white and yellow. Double Sweet Williams. Hunt's auriculifolia. Digitalis, 12 varieties mixed. Delphiniums, finest tall-growing. Primula acaulis. Gold-laced polyanth. Lobelia cardinalis, finest of all border flowers. Begonia tuberosa rooted, all colors mixed. Veronica serratifolia, fine blue. Gaillardia grandiflora. Trade packets, 10c. CHAS. LONG, 277 Jefferson Av., Rochester, N. Y.

Pansy seed, crop of 1903. BARNARD'S FLORISTS' MIXTURE is high grade, up-to-date and will give you pansies that will sell. Trade pkt., 25c; ½-oz., \$1.00; ¼-oz., \$3.75; oz., \$7.00. Giant Mixture, trade pkt., 25c; ½-oz., 50c; oz., \$4.00. W. W. BARNARD & CO., 161 Kinzie St., Chicago.

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JOHNSON & STOKES' SEEDS
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Pansy, superb mixed, unexcelled strain, ½ oz., 75c; oz., \$5.00. Cineraria, dwarf and tall, finest mixed., ea., 50c and \$1.00 per pkt. W. C. Beckert, Allegheny, Pa.

New crop Shasta daisy seeds, 20c per 100; \$1.25 per 1000; \$9.00 per oz. of 20,000 seeds; ½-oz. at oz. rate.

CALIFORNIA CARNATION CO., Loomis, Cal.
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 Marsh's pansy mixture for florists' trade packets, only 25c. Choice seed.

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Rawson's Arlington tested seeds for florists. Catalogue free. W. W. RAWSON & CO., Boston, Mass.

Wholesale price list of seeds for florists and market gardeners. W. Atlee Burnee & Co., Philadelphia, Pa.

Pansy seed. Ne plus ultra, \$4.00 oz. Jos. H. Cunningham, Delaware, O.

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Selaginella Emmellana, fine 2-in., \$3.00 100. Wagner Park Conservatories, Sidney, O.

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THE REAL THING—Genuine IRISH SHAMROCK. Fine rooted cuttings, \$1.50 100, \$10.00 1000; 2½-in., full of cuttings, \$3.50 100, \$32.00 1000.

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400 bushy smilax from 3-in. pots, \$2.50 per 100. Would exchange for good cineraria or primrose plants. Hamilton & Plummer, Kewanee, Ill.

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Fine, bushy smilax plants, 3-in., ready for 4-in. Make me an offer. Will send sample. J. J. Cummings, W. Baltimore St., Baltimore, Md.

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Smilax, 2-in., strong, cut back twice, \$9.00 1000; \$1.00 100. Cash. R. Kilbourn, Clinton, N. Y.

Smilax, 2½-in., strong, ready for planting, \$1.00 100; \$8.00 1000. Buckley Plant Co., Springfield, Ill.

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Smilax, 2-in., extra strong, \$100 100. Cash. John Brod, Niles Center, Ill.

Smilax, 3-in., strong, \$2.00 100. Cash. Joseph Heint, Jacksonville, Ill.

Smilax, 2½-in., \$2.00 per 100. Cash. Rockville Greenhouses, Rockville Center, N. Y.

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Smilax, 500 2-in., \$1.50 100. Crabb & Hunter, Grand Rapids, Mich.

Smilax, \$2.00 100. R. Vincent, Jr. & Son, White Marsh, Md.

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Stevias, strong, bushy plants, 6-in., \$12.50 100. Bentzen Floral Co., 4025 Marcus Ave., St. Louis, Mo.

Stevia, 2½-in. pots, 2½c each; 4-in. pots, 6c each. Var. stevia, 3-in. pots, 5c. Cash. M. F. La Roche, Collingdale, Pa.

Stevia, from 3½-in. pots, fine plants, \$4.00 100. Cash, please. P. Planten, 15 Totowa Ave., Paterson, N. J.

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Have also "Phil Krates," second early, fine flavor; "Royal Straight Flush," midseason, enormous size; "Anask," late and larger than Gaudy. Duplication Gooseberry, no mildew, larger and twice as productive as the industry. Write for descriptions.

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Swainsona alba, 2½-in., \$2.00 100. R. Vincent, Jr. & Son, White Marsh, Md.

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White sultana, Platyspetala, flowers large, pure white, with red dot in the center. Now is the time to stock up for the coming season. IT SELLS. Strong plants, \$1.00 per doz. N. O. CASWELL, Delavan, Ill.

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Beautiful silver tamarisks, hardiest of all, very cheap. C. S. HARRISON, York, Neb.

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Umbrella plants, strong, 4-in., \$7.00 100; 5-in., \$10.00 100. Bentzen Floral Co., 4025 Marcus Ave., St. Louis, Mo.

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TOMATO—25c per 100; \$1.00 per 1000.
PARSLEY—25c per 100; \$1.25 per 1000.
 Cash with order.
 See our flower plant adv. in this issue.
R. VINCENT, JR. & SON, White Marsh, Md.

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emon verbenas, 2½-in., \$2.50 100.
R. Vincent, Jr. & Son, White Marsh, Md.

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Vinca variegata, strong plants, 4-in., \$12.50; 6-in., \$20.00 100.
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Vincas, 2000 strong, field-grown plants, ready for 4 and 5-in. pots, \$3.00 to \$4.00 100.
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Strong field-grown Vinca var. maj. for 4 to 6-in. pots, \$3.00 per 100. Cash.
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MYRTLE, perfectly hardy. Strong rooted cuttings, 75c 100.
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Vinca variegata, field-grown, \$4.00 100. Cash.
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Vincas, field-grown, strong, \$6.00 100.
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Vinca major, 6-in., \$3.00 doz.
L. H. Foster, Dorchester, Mass.

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Field-clumps make lots of bloom. 15,000 clumps on hand, clean and healthy. Campbells, \$3.50 per 100; Princess of Wales, \$4.50 per 100; Swanley Whites, \$4.00 per 100; California, 2½-in., \$2.00 per 100. By the violet grower.
A. B. Campbell, Cochranville, Pa.

20,000 VIOLETS. Campbell, M. Louise, Farquhar, Swanley, 2½-in., fine, \$3.00 100, \$25.00 1000. California, from flats, \$1.50 100. All fit to bench and No. 1. Cash, please.
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Strong, clean, healthy Marie Louise violet plants, 2½-in. pots, at \$3.00 per 100; \$28.00 per 1000. Cash with order. Sample 10c.
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12,000 violet plants, fine, healthy, field-grown clumps of The Farquhar, Marie Louise, Campbell and California, \$5.00 100; \$45.00 1000. Sample, 10c. **Herman Bowman**, White Plains, N. Y.

Violets, Princess of Wales, strong plants, field-grown, \$8.00 100; California, \$8.00 100; Campbell, not so strong, \$3.00 100. Cash.
Converse Greenhouses, Webster, Mass.

Lady Campbell violet plants, strong field-grown clumps from sand struck cuttings, \$5.00 per 100; \$40.00 per 1000. Samples, 10c.
ALBERT H. BROWN CO., Westboro, Mass.

Marie Louise violet plants, clean, healthy stock, \$20.00 per 1000; also out of 2½-in. pots, \$30.00 per 1000. Cash with order.
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Violets, fine, strong clumps of Campbell, free from disease, \$5.00 100; \$40.00 1000. Prompt shipment; low express rates.
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Marie Louise violet plants, 2½-in. pots, \$2.50 per 100, \$20.00 per 1000. Good, healthy stock. Send 10c for sample.
J. Bennett, Blue Point, L. I., N. Y.

Marie Louise violets, strong, healthy plants, 3-in. pots, \$3.00 per 100. Cash, please.
Carl Petersen, Stryker Ave. and Annapolis St., St. Paul, Minn.

Violet plants, Marie Louise, clean, healthy, \$3.00 per 100. Cash with order.
Geo. B. Dehsinger, R. F. D. No. 1, Poughkeepsie, N. Y.

Princess of Wales violets, field-grown plants, at \$6.00 to \$10.00 per 100; \$60.00 to \$75.00 per 1000.
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Princess of Wales violets, strong field-grown, \$5.00 100. **Nathan Smith & Son**, Adrian, Mich.
 Farquhar and Imperial violets, 2½-in., \$4.00 100. Cash. **Chas. H. Green**, Spencer, Mass.

Princess of Wales violets, 2 and 2½-in., \$1.00 per 100. **The Iola Greenhouses**, Iola, Kan.

California violets, 3-in. \$2.50 100; \$20.00 1000.
S. M. Harbison, Danville, Ky.

TO EXCHANGE.

To Exchange—300 fine, field-grown Clothilde Soupert, 150 Sombrell suitable for 5 to 7-in. pots, at 10c, and 1200 fine 3-in. Bridesmaid, at 3c, for Lorna, Queen Louise, Flora Hill or Glacier carnation plants. Samples exchanged.
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To Exchange—Small ferns, in variety, out of 2 and 2½-in. at \$2.50 and \$3.00 per 100 for good 2½-in. stock of Chinese primulas, cinerarias, cyclamen or good varieties of geraniums.
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To Exchange—Specimen *Lantana Borbonica*, 12 ft. in diameter; has 23 leaves, 21 of them perfect; a fine round plant in tub 30 x 30 inches, for small palms, fancy-leaved dracaenas or other stove plants. **C. Gebhardt**, Lake Geneva, Wis.

To Exchange—California field-grown violets and Lady Hume Campbell from pots, for palms, ferns or anything we can use.
Evergreen Lodge, Clarksville, Tenn.

To Exchange—Bushy 3-in. smilax at \$2.50 100 for good cineraria or primrose plants. **Hamilton & Plummer**, Kewanee, Ill.

To Exchange—Tuberose and caladium bulbs for gladioli and narcissi.
H. E. Newbury Co., Magnolia, N. C.

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Wanted—Small field-grown carnations for mailing. Send sample, stating price and kinds.
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Hunt's LIBERTY Folding Boxes are PURE WHITE, almost waterproof and stronger than any other box on the market. Send for sample. Price no higher than the "cheap-looking" boxes usually sold.
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CUT FLOWER BOXES, the best, strongest and neatest folding cut flower box made.
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Our box sells on its merits.
 Send for sample.
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Florists' Boxes. The J. W. Sefton Mfg. Co., 241-247 S. Jefferson St., Chicago.

DECORATIVE MATERIAL.

Stock from the Berkshire Hills. Hardy cut fancy and dagger ferns, sphagnum moss, laurel, bouquet evergreens, festooning, wreaths, spruce and hemlock boughs. Satisfaction guaranteed. Write
H. J. SMITH, Hinsdale, Mass.

Wild smilax, long needle pines, sabal palm leaves and crowns, grey moss, etc.
Southern Wildwood Co., Garland, Ala.

Oldest dealer in the United States in hardy cut fancy and dagger ferns. Write for prices.
L. B. BRAGUE, Hinsdale, Mass.

Fancy and dagger ferns, laurel festooning, ground pine, sphagnum moss, etc.
Crowl Fern Co., Millington, Mass.

Fancy and dagger ferns, laurel festooning, leucothoe sprays, bouquet green, etc.
H. M. Robinson & Co., 11 Province St., Boston.

Leucothoe sprays, fancy ferns, green sheet moss, sphagnum moss, etc.
L. J. Kreshover, 110 W. 27th St., New York.

Fancy and dagger ferns, evergreens, etc. Good stock, low prices.
A. J. Fellouris, 468 Sixth Ave., New York.

Galax, ferns and leucothoe sprays are our specialties. **N. Lecakes & Co.**, 53 W. 28th St., N. Y.

For southern wild smilax write
Caldwell The Woodsman Co., Evergreen, Ala.

EVERYTHING FOR FLORISTS.

Write for quotations on your wants to
E. F. WINTERSON CO.,
 45, 47, 49 Wabash Ave., Chicago.

FERTILIZERS.

Pure pulverized sheep manure and unleached hardwood ashes. Send for sample and price.
J. L. Elliott, South Bethlehem, Pa.

FLORAL DESIGNS.

Wax Flowers and Wax Floral Designs.
J. Stern & Co., 1928 Germantown Ave., Phila.

GALAX LEAVES.

Galax leaves and leucothoe sprays. Quality guaranteed. Wholesale trade solicited.
A. J. Taylor, Montezuma, N. C.

Galax, bronze or green, and small green galax for violets.

L. J. Kreshover, 110 W. 27th St., New York.
 Fresh, selected galax leaves. No trash.
Ed. S. Loven, Linville, N. C.

GALAX LEAVES, Bronze or green.
A. J. Fellouris, 468 Sixth Ave., New York.

GALAX LEAVES, green or bronze.
N. Lecakes & Co., 53 W. 28th St., New York.

GALAX LEAVES, green or bronze.
Crowl Fern Co., Millington, Mass.

GALAX LEAVES, green or bronze.
H. M. Robinson & Co., 11 Province St., Boston.

GREEN GALAX now ready.
Woodruff & Miles, Cherry Lane, N. C.

GLASS, ETC.

We make a special greenhouse putty. Price on application. **Lord & Burnham Co.**, Irvington-on-Hudson, N. Y.

Greenhouse glass, paint and putty are our specialties. **Casper Limbach**, Pittsburg, Pa.

Glass. Have 115 boxes 16-24 dbl. strength A. Write for prices. **L. J. Stuppy**, St. Joseph, Mo.

Greenhouse glass a specialty. **Sprague, Smith Co.**, 205 Randolph St., Chicago.

Greenhouse glass and putty a specialty.
C. S. Weber & Co., 10 Desbrosses St., N. Y.

GLAZING POINTS.

Siebert's zinc "Never-rust" glazing points. Sold by all seedsmen, or **C. T. Siebert**, Pittsburg, Pa.

The "Model" glazing point. Zinc. Practical. Durable.
Parker Bruen Mfg. Co., Harrison, N. J.

HOSE.

Bull-dog hose, 7 ply, guaranteed; ¾-in., 16c ft.
U. Cutler Ryerson, Newark, N. J.

Good Hose. **J. G. & A. Esler**, Saddle River, N. J.

INSECTICIDES.

Use SULPHO-TOBACCO SOAP and have clean, healthy plants. Sample free cake if you mention The Florists' Review.
LARKIN SOAP CO., Buffalo, N. Y.

Send for a 5-lb. trial pkg. of our TOBACCO POWDER. Our booklet tells of it. Write Dept. D for it.
H. A. Stoothoff Co., 116 West St., New York.

Rose Leaf Extract of Tobacco will save you money. For free booklet write **KENTUCKY TOBACCO PRODUCT CO.**, Louisville, Ky.

Tobacco dust, fresh stock, \$1.75 100 lbs.; stems about 100-lb. bales, 1c per lb.
W. W. Barnard & Co., 161 Kinzie St., Chicago.

NICOTICIDE kills all greenhouse pests.
 Sold by all seedsmen.

POTS.

Standard Pots. We are now ready to supply a superior quality of pots in unlimited quantities. Catalogues and price lists furnished on application.

A. H. Hews & Co., North Cambridge, Mass.

Standard Flower Pots. If your greenhouses are within 500 miles of the Capital, write us: we can save you money. **W. H. Ernest**, 28th and M Sts., N. E., Washington, D. C.

Flower Pots. Before buying write us for prices. **Geo. Keller & Son**, 361-363 Herndon St. (near Wrightwood Ave.), Chicago.

RED POTS. **STANDARD SIZE**.
SYRACUSE POTTERY CO., Syracuse, N. Y.

Those RED pots. The right kind.
C. C. POLLWORTH CO., Milwaukee, Wis.

Red pots. Write for prices and sample pot.
Colesburg Pottery Co., Colesburg, Iowa.

PAINT AND PUTTY.

TWEMLOW'S OLD ENGLISH GLAZING PUTTY. An old article when goods were made for quality, not cheapness. It lasts a lifetime and is the best article today for all greenhouse glazing. Makes a firm, lasting bed for glass, unaffected by heat or cold. No leaky sash-bars when this is used.

1-gallon can (16 lbs.).....\$1.25
 5-gallon can 5.00
 10-gallon can 12.00
 20-gallon can 23.00
E. H. HUNT, 76-78 Wabash Ave., Chicago.

SPHAGNUM MOSS.

Sphagnum moss of first quality. Can ship at a moment's notice—2 bales, \$1.50; 10-bale lots, \$6.00.
Z. K. JEWETT & CO., Sparta, Wis.

Sphagnum moss. Write for prices on large quantities. **Crowl Fern Co.**, Millington, Mass.

PLEASE MENTION THE REVIEW WHEN WRITING ANY OF THESE ADVERTISERS.

SPHAGNUM MOSS—Continued.

Sphagnum moss, selected, 5-bbl. bale, \$2.25.
U. Ouflet-Hyerson, Newark, N. J.

Sphagnum moss. Write for prices.
H. M. Robinson & Co., 11 Province St., Boston.

TIN FOIL.

American brand FLORIST FOIL—The standard foil of America.
John J. Crooke Co., 155 Ave. D, New York.

TOOTHPICKS.

Wired toothpicks, 10,000, \$1.50; 50,000, \$6.25.
Sample free. For sale by dealers.

W. J. COWEE, Berlin, N. Y.

Wired toothpicks, box of 10,000, \$1.50.
W. W. Barnard & Co., 161 Kinzie St., Chicago.

WIRE SUPPORTS.

Model Extension carnation supports; also galvanized rose stakes and tying wires.

Igoe Bros., 228 North 9th St., Brooklyn, N. Y.

Model Extension carnation supports and galvanized rose stakes. Parker-Bruen Mfg. Co., 208 Jersey St., Harrison, N. J.

Excelsior carnation supports. In use 10 years.
Write H. F. Littlefield, Worcester, Mass.

WIRE WORK.

Galvanized stakes, No. 9 straight wire. Per 1000: 3-ft., \$6.75; 3½-ft., \$8.00; 4-ft., \$8.50; 5-ft., \$12.00. No less than 1000 sold. Write for prices on 10,000 and 50,000 lots.
W. W. Coles, Kokomo, Ind.

Galvanized wire plant stakes at rock-bottom prices. N. F. McCarthy & Co., 84 Hawley St., Boston, Mass.

We are the largest manufacturers of wire work in the west. E. F. Winterson Co., 45, 47, 49 Wabash Ave., Chicago.

We are manufacturers—no middleman's profits.
C. C. POLLWORTH CO., Milwaukee, Wis.

Emil Steffens, Manufacturer of Florists' Wire Designs. 335 East 21st St., New York.

Reed & Keller, 122 W. 25th St., New York.
Manufacturers of Wire Designs.

E. H. Hunt, 76-78 Wabash Ave., Chicago.

DALLAS, TEX.—Ernest Nitsche has recently returned from a trip to Germany and reports a splendid time.

SEATTLE, WASH.—C. N. Sandahl, of the Puget Sound Nursery and Seed Co., has built six new greenhouses this summer.

POLO, ILL.—Harry Davis is building two greenhouses, 28x100. They are to be heated by steam and used for carnations.

SIBLEY, ILL.—J. K. Postma, who has been in Oklahoma this summer, has bought out the Sibley greenhouses, taking possession at once.

Hydrangea Otaksa

Field-Grown Plants.
Strong and Stocky.
\$8.00 per hundred.

FRED A. DANKER, Albany, N. Y.
Mention the Review when you write.

Bouvardia Pink, White.
Strong Plants from Field \$8.00 a 100
Less than 50, 10c each. Cash with order, please.
CHARLES E. MEEHAN
Slocum and Musgrove Sts.,
GERMANTOWN, PA.
Mention the Review when you write.

Carnations....
Field-Grown Plants.
Write for Varieties and Prices.
H. WEBER & SONS, Oakland, Md.
Mention the Review when you write.

FIELD-GROWN CARNATION PLANTS

Our plants are in fine condition and free from rust and stem-rot.

SEND YOUR LIST FOR PRICES.

J. L. DILLON, - - Bloomsburg, Pa.

Mention Review when you write.

Have yet on hand for sale strong, healthy, field-grown

CarnationPlants

as follows:

WHITE—No. 1 Elm City, \$5.00 per 100; No. 1 L. McGowan, \$3.00 per 100.

VARIETATED—No. 1 Prosperity, \$5.00 per 100. No. 1 Ad. Cervera, \$5.00 per 100.

No. 2 Genevieve Lord, \$3 per 100; No. 2 McGowan, \$2 per 100.

FRANK H. KIMBERLY,
NEW HAVEN, CONN.

Mention the Review when you write.

NEW LOUISE CARNATION NAUMANN

See Convention Number of The Florists' Review, page 517. Orders booked now for January delivery \$1.25 per dozen; \$8.00 per hundred; \$70.00 per thousand.

G. M. NAUMANN, 1537 Dean Street, Cleveland, Ohio.
Mention the Review when you write.

All Carnation Plants.

Prosperity 8c each
Mrs. Thomas Lawson, Gov. Roosevelt... 6c each
Crane, White Cloud, Flora Hill, Marquis... 5c each
Daybreak, Crocker 4c each
Field-Grown—Fine Plants.

FRANK BERRY, Stillwater, Minn.
Mention the Review when you write.

Field-Grown Carnations

HEALTHY, NO STEM-ROT.

Crane and Joost \$4.00 per 100.
H. F. Piggott, S. Brooklyn, O.

Mention The Review when you write.

SURPLUS STOCK.

Quality First-Class.

2200 3½-inch Maids, \$35.00 per 1000.
8500 2½-inch Mums, 20.00 per 1000, including Chadwick, Golden Wedding, Appleton, Wil-lowbrook, Kaib and many others.

Liger, Richardson, 2½-in., strong, \$15.00 per 100.

POEHLMANN BROS. CO., Morton Grove, Ill.
Mention the Review when you write.

ALL THE BEST CARNATIONS

LEADING NOVELTIES OF 1903.
The Best Varieties of 1902.
All the Standard Varieties.

Send in your orders for field plants now.

GEO. HANCOCK & SON, Grand Haven, Mich.
Mention the Review when you write.

YOU...
WILL FIND ALL THE
BEST OFFERS ALL THE TIME
in the REVIEW'S CLASSIFIED ADS.

Carnation Plants...

FIELD-GROWN, STRONG, HEALTHY STOCK.

PROSPERITY.....\$7.00 per 100
Mrs. G. BRADT.....\$7.00 per 100; 60.00 per 1000
Mrs. JOOST 6.00 " 50.00
MELBA 5.00 " 45.00
MACRICHMOND..... 5.00 " 45.00

HARDY ENGLISH IVY, strong, 3-in. pots,
\$5.00 per 100; \$40.00 per 1000.

I. H. MOSS, Govanstown,
Baltimore, Md.

Mention The Review when you write.

CARNATIONS

F. DORNER & SONS CO., LaFayette, Ind.

Mention the Review when you write.

DO YOU WANT some extra fine Mrs. Joost
Carnations out of field. We have 4000
that will please you.

Also a few Hoosier Maid, McGowan, Mary Wood, Estelle Crane, Viola Allen, Guardian Angel and Higinbotham. All go at \$5.00 per 100. Write—

GEO. A. KUHLE, Pekin, Ill.
ROSE AND FERN GROWER.

Carnations...

Extra strong field plants of Fair Maid, \$6.00 per 100; \$50.00 per 1000. Challenge Red, \$5.00 per 100; \$40.00 per 1000. Cressbrook, medium sized plants, \$5.00 per 100; \$40.00 per 1000.

G. WARBURTON, Fall River, Mass.
Mention the Review when you write.

THE AMERICAN CARNATION

HOW TO GROW IT.
FULLY ILLUSTRATED.

By C. W. WARD.

A PRACTICAL work on Carnation growing: complete in every particular, including the full calendar of operations for the year, with chapters on Soils, Fertilizers, Insects, Diseases, Heating. Each and every phase of commercial Carnation culture treated clearly and comprehensively. The book contains 290 large pages finely printed. It should be in the hands of every grower.

Sent carriage paid on receipt of \$3.50.

Florists' Publishing Company,
Caxton Bldg., Chicago.

Always Mention the...

Florists' Review

When Writing Advertisers.

A black and white photograph of a large, feathery palm plant, possibly a Parlor Palm, in a pot. The plant has several long, arching fronds that are finely divided. It is positioned in the center of the frame against a textured, mottled background that resembles a wall or a backdrop. The lighting is dramatic, with strong highlights on the fronds and deep shadows in the pot and background.

Mention the Review when you write.

BOSTON.

The Market.

Business was very fair last week. Quite a lot of good flowers came in and more could have been used. Lots and lots of poor ones came in, and no more of that kind were needed.

Vacationists are rapidly coming back, and Jack Frost returns among them. He has been seen in quite a few places.

Bulb men are conversing among themselves because of the non-arrival of the French and Dutch bulbs on schedule time. Tailby says nothing, but is busy sticking a lot into the mud that he was lucky enough to get hold of. Violet situation not so slow as with the bulbs. Sam Twombly had a matter of 300 or 400 of them in his box on the 12th.

And the auction sale of stalls on Columbus avenue came off! And with more "ecclat" than any other social function since the latest Vanderbilt wedding. It far exceeded the expectations of the most sanguine. (Philadelphia papers please copy.) First, two at \$75 and \$80. Then a slow but steady decline all through the long list of 160 stalls, till the last one sold at \$12.50. Nearly \$6,300 was realized as premiums alone, but since buyers get better accommodations for less money per stall than during late years, no complaints are being registered. However, since there were stalls enough to go around and but little choice really as regards location after a score or so were sold, it is quite a question why growers insisted upon paying so much premium. I credit the able auctioneer, who so blithely caroled forth the business capacities of each stall as it came under his hammer, with a good share of the financial results.

J. S. MANTER.

THROUGH the adv. in the REVIEW we have sold all our field-grown carnation plants.—BACKER & Co., Billerica, Mass.

FIELD-GROWN CARNATIONS!

NICE, CLEAN, HEALTHY STOCK.

	Per 100	Per 1000
White Cloud	\$5.00	\$40.00
Evanston.....	4.00	35.00
Scott	3.50	30.00
Portia	3.50	30.00

Write quick if you want these.

JOHN MUNO,
51 Wabash Ave., CHICAGO.
Mention Review when you write

Carnations for Sale.

Flora Hill, Freedom, Gomes, Marquis, Bon Ton, Scott, Bradt, Gov. Roosevelt, Joost, Daybreak, \$6.00 per 100.

VIOLETS—Farquhar and Imperial, 2½-inch pots, \$4.00 per 100. Cash with order.

CHARLES H. GREEN, Spencer, Mass.
Mention the Review when you write.

ROSES.

100 4-inch Am. Beauty.....	\$10.00 per 100
500 8-inch Ivory.....	3.00
1500 Sprenger, 2-inch.....	\$20.00 per 1000
500 Smilax, 2½-inch.....	\$1.50 per 100

Carnations—Write for list and prices.

Crabb & Hunter, Grand Rapids, Mich.
Mention the Review when you write.

125,000 FIELD-GROWN

Carnation Plants

	Per 100	Per 1000
Flora Hill.....	\$5.00	\$40.00
White Cloud	5.00	40.00
Queen Louise.....	5.00	40.00
Norway	4.00	35.00
Guardian Angel	4.00	35.00
Joost.....	3.00	25.00
Marquis	3.00	25.00
Genevieve Lord.....	3.00	25.00
Triumph	4.00	35.00

The large surplus of plants which we have left enables us to select the very best stock there is to be had. Order at once and get first choice.

GEORGE REINBERG,
51 Wabash Ave., CHICAGO.

Mention the Review when you write.

CARNATION PLANTS.

2000 Prosperity,
1000 Floriana,
1000 Norway,
500 White Cloud, } **\$5.00**

First-class plants shipped only. All plant orders will be sent from Hinsdale.

BASSETT & WASHBURN,
STORE: 76 WABASH AVE. GREENHOUSES: HINSDALE, ILL.

Mention the Review when you write.

FIELD-GROWN

Carnation Plants.

STRONG and HEALTHY.

2000 HILL	\$6.00 per 100
2000 WHITE CLOUD.....	6.00 "
4000 JOOST	5.00 "
1000 LAWSON	6.00 "

Pink and White Bouvardia in hundred lots; \$8.00 per 100; less than 100 lots, \$10.00 per 100.

LEO NIESSEN,
WHOLESALE FLORIST,
1217 Arch St., PHILADELPHIA, PA.
Mention the Review when you write.

WELL GROWN

Sprenger Plants.

For 3-in. pots.....\$2.50 per 100; \$20.00 per 1000
Seedlings......75 5.00

SAMUEL S. PENNOCK,
1612 Ludlow Street,
Philadelphia, Pa.
Mention the Review when you write.

FIELD-GROWN

Carnation Plants.

CLEAN, STRONG AND BUSHY.

	Per 100	Per 1000
AMERICA	\$4.00	\$35.00
GOMEZ	4.00	35.00
FRANCES JOOST.....	3.00	25.00
SCOTT.....	3.00	25.00

ALFRED B. EVERETT,
(Formerly Harm's Park Floral Co.)
BERTEAU and NORTH
OAKLEY AVENUES, CHICAGO.
Mention the Review when you write.

Commercial Violet Culture.

BY B. T. GALLOWAY.

This is the Second Edition of this very successful book, revised and brought up to date.

Fully illustrated and handsomely printed.

Sent postpaid on receipt of \$1.50.

FLORISTS' PUBLISHING CO.
530 Caxton Building,
334 Dearborn St., Chicago.
Mention Review when you write.



Our Sales..

are going on as usual every Tuesday and Friday. Give us a visit. We will certainly have something of more than passing interest to offer you. : : : : :

WM. ELLIOTT & SONS, Auctioneers, 54-56 Day St. **New York.**

Mention the Review when you write.

FIELD-GROWN Carnation Plants.

It has been a good growing season and plants are in fine shape, strong and bushy.

	Per 100	Per 1000
Guardian Angel	\$4 00	\$35 00
Genevieve Lord	3 00	25 00
Triumph	4 00	35 00
G. H. Crane	5 00	40 00
Mrs. Potter Palmer	4 00	35 00
Dorothy	6 00	50 00
Mrs. Nelson	6 00	50 00
Prosperity	5 00	40 00
Norway	5 00	40 00
Gaiety	5 00	

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

Peter Reinberg
51 Wabash Ave.,
CHICAGO.
Mention the Review when you write.

FIELD-GROWN CARNATIONS.

200 Roosevelt	per 100, \$7.00
100 Joost	7.00
300 Dorothy	7.00
100 Glacier	7.00
200 Alba	7.00
100 Norway	7.00
100 Crocker	7.00
500 Gov. Wolcott	5.00

ROSE PLANTS.

200 4-inch American Beauties	\$10.00 per 100
300 4-inch Meteors	7.00 per 100
50 4-inch Bridesmaids	7.00 per 100
200 2½-inch Balduins	4.00 per 100
Boston Ferns—7-inch, \$1.00 each; 8-inch, \$1.25 each; 9-inch, \$1.50 each.	

CASH OR C. O. D.

W. J. & M. S. VESEY, Ft. Wayne, Ind.
Mention the Review when you write.

1,000,000 Unrooted Cuttings Now Ready.

White.				Scarlet.			
100	1000	5000		100	1000	5000	
Queen Louise	\$0.75	\$ 7.00	\$ 30.00	Estelle	\$1.00	\$ 9.00	\$ 40.00
Flora Hill .....	.75	7.00	30.00	Mrs. Palmer	1.00	9.00	40.00
Norway .....	.75	7.00	30.00	Apollo	2.00	16.00	75.00
White Cloud .....	.75	7.00	30.00	Crimson.			
Alba	1.80	16.00	60.00	Harlowarden	2.50	22.00	100.00
Wolcott	1.80	16.00	60.00	Gov. Roosevelt .....	.75	7.00	30.00
Lillian Pond	3.00	26.00	115.00	Gen. Macco .....	.75	7.00	30.00
Pink.				Gen. Gomez .....	.75	7.00	30.00
Lawson .....	.75	7.00	30.00	Harry Fenn	1.00	9.00	40.00
Marquis .....	.75	7.00	30.00	Yellow.			
Genevieve Lord .....	.75	7.00	30.00	Eldorado .....	.75	7.00	30.00
Argyle .....	.75	7.00	30.00	Gold Nugget	1.00	9.00	40.00
Mermaid .....	.75	7.00	30.00	Golden Beauty	1.50	14.00	65.00
Guardian Angel .....	.75	7.00	30.00	Variegated.			
Cressbrook	1.25	10.00	45.00	Violania	6.00	50.00	225.00
Higinbotham	1.25	10.00	45.00	M. Field	3.50	23.00	100.00
Mrs. Theo. Roosevelt	3.00	28.00	125.00	Tiger	2.50	22.00	100.00
Success	2.50	22.00	100.00	Stella	1.50	14.00	60.00
Scarlet.				Bradt	1.00	9.00	40.00
Crane .....	.75	7.00	30.00	Armazindy .....	.75	7.00	30.00
America .....	.75	7.00	30.00				

Prepaid to your city at above Spot Cash Prices.

California Carnation Co., L. Box 103, **Loomis, Cal.**
Mention Review when you write.

Winter Flowering Roses.

Fine healthy stock from selected cuttings. Sunrise, American Beauty, La France, 3-in pots, \$7.00 per 100.

Brides, Maids, Golden Gates, Meteors, Safrano, Bon Silene, Mme. Hoste, Papa Gontier, 3-in. pots, \$5.00 per 100.

GRAFTED ROSES. Fine bushy plants in 3½ and 4-in. pots.

Liberty, Ivory, \$15.00 per 100. Brides, Maids, Golden Gates, Kaiserin, \$12.00 per 100.

J. L. DILLON, BLOOMSBURG, PA.

Mention Review when you write.

We Still Have

a fine lot of **SMILAX** left; strong plants from 2½-inch pots, ready for planting at \$1.00 per 100; \$8.00 per 1000.

Geraniums Jean Vlaud (the pink novelty), Mme. Buchner (white), E. G. Hill and B. Poltevine (salmons); extra strong 2½-inch plants at \$1.50 per 100.

THE W. T. BUCKLEY PLANT CO.
SPRINGFIELD, ILL.

Pierson Fern September Delivery
2½ and 2¾-in. \$25.00 per 100; \$112.50 per 500
Bostons, 2½-in. 5.00 per 100; 22.50 per 500
READY NOW—Maranta Makoyana, 3-inch, \$25.00 per 100.

CHAS. H. CAMPBELL,
3601 Germantown Ave., Philadelphia.

CARNATIONS -- FIELD-GROWN, CLEAN PLANTS.

Glacier, Dorothy, D. Whitney, Higinbotham, P. Palmer, G. Lord, Crane, Marquis, Mrs. Wood, Joost, Norway, Crocker, Roosevelt, Alba, Estelle, \$5.00 per 100; 2nd size, \$3.00 per 100. Apollo, Prosperity, \$6.00 per 100. Roses, strong 3-inch pot plants, \$4.00 per 100. Ivory, Brides, Maids and Wootton. Boston Ferns, 3, 4 and 5-in. pots, \$10.00, \$15.00 and \$25.00 per 100. Rubber, top layers, 4-in., \$2.00 per doz.; 5-in., \$3.00 per doz. Smilax, 3-inch pots, strong, \$2.00 per 100. Farfugium grand., 4-inch pots, \$1.50 per doz. Aspidistras, green foliage, 4-in. pots, \$1.50 per doz.; 5-in. pots, \$2.50 per doz. Aspidistras, variegated foliage, 4 in. pots, \$2.50 per doz.; 5-in. pots, \$3.50 per doz. Irish Junipers, extra fine, 3 to 4 ft., \$12.50 per 100. Not less than 25 plants at 100 rate. **Terms Cash.**

I can use in exchange—Cyclamen, Cineraria, Asparagus Plumosus, Hydrangeas, Primroses and Crimson Rambler rose plants.

JOSEPH HEINL, JACKSONVILLE, ILL.

THIS IS OUR OFFER.

Asparagus Sprengeri—2-in. \$3.00, 3-in. \$5.00, 4-in. \$8.00 per 100. Aspidistra Lurida—4-in. \$35.00 per 100. Good strong plants; worth every cent.

ADOLPH G. FEE, - Belleville Ill.

This Offer Good for 4 WEEKS ONLY from Sept. 17th.

Siebrecht & Son, New Rochelle, N. Y.

THE LEADING HORTICULTURAL ESTABLISHMENT OF AMERICA.

 Send us \$25.00  FOR YOUR FALL OPENING, consisting of

KENTIA BELMOREANA, FORSTERIANA, WEDDELIANA, PANDANUS VEITCHII, CROTONS, LATANIAS, LIVISTONA ROTUNDIFOLIA, DRACENAS, 3 varieties; ARAUCARIAS and

PIERSONI Fern.

BEST VALUE EVER OFFERED TO THE TRADE. Freight paid within 100 miles of New York. Write or telegraph AT ONCE.

DENVER, COLO.

The Market.

Trade has been pretty fair, with a scarcity of good roses and carnations. Prices are about the same. The florists all have their stock well along, but some of them have had to rush on account of the extra work caused by the severe hail storm, and I must say a word of praise for the Hail Association. They have had a hard time here in Denver on account of the severe hail storms both last year and the present season, but they have come forward and adjusted the losses very promptly indeed. We certainly wish them much better success in the future and trust that they will not have to stand any loss here for the next hundred years.

Various Notes.

The boys have come back from the convention in the best of spirits, and have some of the most astounding stories to tell.

Wm. Eickeworth has leased the Fremont greenhouses, on Broadway, and is preparing for an extensive spring trade in plants.

Claude Hurt has leased his greenhouses to Mr. Work, for growing vegetables.

Lyle Waterbury has started a commission house, much to the satisfaction of the florists in general, and expects to do a large business this winter.

Berry, Lewis and Rushmore report having been elegantly entertained by the El Paso County Horticultural Society at Colorado Springs, on the occasion of their annual flower show, at which they acted as judges. In their rounds of the floral establishments they found that William Clark had torn down some of his smaller houses and was replacing them with structures thirty feet wide. At Evans' new place, with Ed Johnson in charge, everything was in fine condition. The arrangement of the houses, shed and office is fine. At Crump's everything is in nice form, and especially good were the potted chrysanthemums grown by Ernest Flohr. THORN.

THE Milwaukee Sentinel of September 6 printed C. C. Pollworth's portrait and a very interesting account of the growth of his business, and the florists' industry in Milwaukee. It notes that Mr. Pollworth is something of a "joiner," for he belongs to all the trade societies, and is also an active Mason, Knight of Pythias and member of the Fraternal Alliance.

PANSY SEED New Crop Now Ready

WINTERSON'S "COMBINATION" PANSY MIXTURE produces "Pansies that SELL ON SIGHT." This mixture is composed of the choicest varieties produced by specialists both in this country and Europe and is not excelled by any mixture offered to the trade. A trial will convince you that it is all we claim for it. Trade packet, 50c; 1/4 oz., \$1.50; 1/2 oz., \$5.00; 1 oz., \$10.00.

WINTERSON'S PREMIUM PANSY MIXTURE. Embraces all the varieties of the fancy German sorts. We have supplied this mixture for many years past and it has given general satisfaction. Per packet, 25c; 1/4 oz., 80c; 1/2 oz., \$3.00; 1 oz., \$5.50.

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OUR NEW CATALOGUE is in the hands of printer. He is a bit slow but promises to have it off the press by September 15th. It will be worth your while to get a copy. Send us your name now. In the meantime remember **WE ARE HEADQUARTERS FOR CUT FLOWERS, WIRE WORK AND ALL FLORISTS' SUPPLIES.**

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Successor to McKellar & Winterison.

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Solanum Annum or Celestial Peppers, 4-in. pots, 10c each.

Solanum Capsicastrum or Jerusalem Cherry, large berries, var., 8-inch pots, 5c each.

Stevia, 2 1/4-inch pots, 2 1/2c; 4-inch pots, 6c each.

Stevia Variegata, 3-inch pots, 5c each.

Genista, large flowering variety, 8-inch pots, 5c each.

Hydrangea Otaksa, pink and blue, 8-in. pots, 5c; 4-in. pots, 8c each.

English Ivy, 2 1/4-inch pots, 5c each.

All these plants are strong and clean and ready to ship. Cash. Satisfaction guaranteed.

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Asparagus Sprengerii—From flats, ready for potting up, \$1.00 per 100; \$6.00 per 1000. 5000 for \$25.00. 2 1/4-inch, \$1.50 per 100; \$12.50 per 1000.

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Primula Forbesii—Baby primroses, 2 1/4-in., \$1.50 per 100; 400 for \$5.00.

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Pacific Florist ISSUED MONTHLY by the Pacific Florist Publishing Co., 1610 Kearny St., San Francisco, Cal. is the BEST ADVERTISING MEDIUM ON THE PACIFIC COAST. Subscription \$1.00 per year.

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"	3 plants	8	24-28	7-8	7.00
"	"	9	28-30	9-10	9.00
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And 10 per cent. off on orders of \$100.00 or over.

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In fine shape, strong and bushy.

300 Mrs. Potter Palmer.....\$4.00 per 100
100 White Cloud 3.50 "
200 G. H. Crane, 500 Oriole..... 4.00 "
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100 Norway, 700 America..... 4.00 "
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Perms:—Cash with order, payable in money or order, or checks Chicago or New York exchange.

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LARGE STOCK IN ALL SIZES; VERY GOOD VALUES.

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4-inch pots.....\$2.00 per doz. \$16.00 per 100	7-inch pots.....\$ 9.00 per doz.
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6-inch "..... 6.00 " 50.00 "	Specimens, up to..... 5.00 each.

Send for complete price list, mailed free.

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Chinese, 2-in. pots.....\$2.00 per 100
Obconica, alba and rosea..... 2.00 "
Forbesi, "Baby"..... 2.00 "

Fancy Seed, Ne plus ultra, August. 4.00 per oz.
Cinerarias, 2-inch pots..... 2.00 per 100

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Pansy Plants, ready Sept. 20th... .50 "
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Hydrangeas, finest lot you ever saw, field-grown, with 8 to 10 flowering shoots, \$12 a 100.
Violets—*Princess of Wales*, extra strong plants, field-grown, \$8.00 per 100. *California*, extra strong plants field-grown, \$6 per 100. *Campbell*, not so strong, field-grown, \$3.00 per 100. Cash or C. O. D.

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Grand stock. Send for particulars.
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Chinese, 3½-inch.....\$5.00 per 100
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for Fern Pans or growing on good healthy stock in 2-inch pots.

Pteris Ouvrardi, *Pteris Cristata*, *Pteris Tremula*, *Pteris Oretica Albo-Lineata*, *Selaginellas Emmeliana*. Price \$3.00 per 100.

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ORANGE, N. J.

The regular monthly meeting and exhibition of the New Jersey Floricultural Society was held September 4. The usual bright display was rendered more brilliant by a display of named dahlias by J. C. Williams, of Montclair, and Japan lilies by Peter Duff, whose vegetables secured the highest number of points in the contest for the silver cups to be awarded next December. President George Smith showed a collection of fruits, among which was the Brighton grape. John Hayes brought Lawson carnations which showed skillful growing for this season of the year. Mr. Williams' dahlias were not entered for competition, but the exhibition committee awarded him a certificate of merit. The judges for the evening were J. C. Williams, Andrew MacArthur and J. B. Davis.

Notice was given that Mr. Gardiner, of Jobstown, will be the speaker for the October meeting and Professor Britton will probably visit the society in November. Professor Apgar, of Newark, made some remarks upon the habits of plants, noting the desmodium the flowers of which have a peculiar movement in bright sunshine, and the nymphæa, which disappeared for 400 years from Egypt and then appeared again.

The trade features here are good for this season. The sale of flowers shows a marked increase for table use, funerals and weddings. James Hayes, for sixteen years in business at Topeka, Kans., has been visiting his brother in Llewellyn Park, on his way to Europe for a two month's vacation. Jos. B. DAVIS.

We feel that we could not get along without the REVIEW, as it gives us valuable information we need every day in our business.—ADGATE & SON, Warren, Ohio.

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WATERPROOF. Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size	No. 0	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8	No. 9
	3x4	3x4 1/2	3x6	3x8	3x10	3x12	3x14	3x16	3x18	3x20
	1.75	2.00	2.40	2.75	3.00	3.75	5.00	5.50	7.00	8.50
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Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

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TOBACCO EXTRACT

with Sulphur and Alkali. Never fails to

KILL BUGS AND INSECTS

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kept healthy by using this popular insecticide. Satisfaction guaranteed. Prices low. Write for sample cake.

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Green and Black Fly

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Can be **EASILY** used

POSITIVELY EFFECTIVE

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Will not injure any greenhouse plants.

1 Box (12 Rolls).....\$0.60

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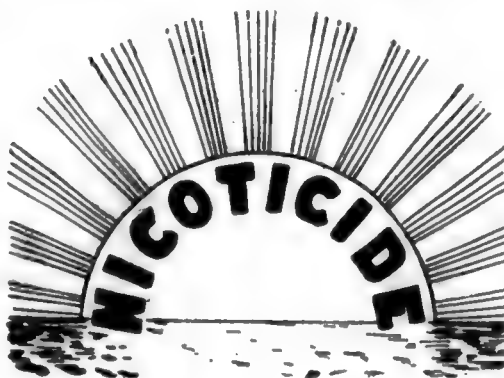
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6-in. " " " " " "	1 60
7-in. " " " " " "	2 50
8-in. " " " " " "	3 50
10-in. " " " " " "	4 75
12-in. " " " " " "	7 00

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"THRIPSCIDE"

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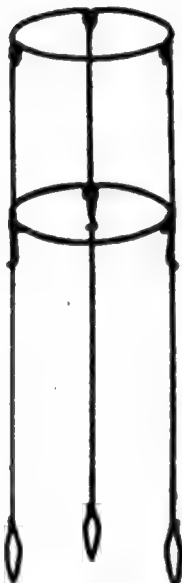
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The lightest running,
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The only DRIP PROOF
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EXPRESS BOXES** for the shipment of cut
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Prices include extra inside pieces for ice com-
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are made of dressed stock 3/4-inch thick, sides,
top and bottom 1/2-inch thick of smooth sawn
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Weights are approximate but will not vary
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Sizes	Price per 100	Weight per 100
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3 x 5 x 24.....	2.25	150 "
3 x 7 x 21.....	2.25	160 "
6 x 6 x 24.....	3.40	300 "
4 x 12 x 24.....	4.50	425 "
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6 x 12 x 24.....	5.25	500 "
6 x 12 x 30.....	6.40	600 "
5 x 12 x 36.....	7.00	675 "
6 x 12 x 36.....	7.50	725 "
6 x 15 x 42.....	10.25	1000 "
6 x 15 x 48.....	11.50	1100 "
Plant boxes, tight or slatted, ventilated sides.		
12 x 12 x 24, \$7.50 per 100, weight 750 lbs. per 100.		

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I am manufacturing the strongest, lightest
and I think **CHEAPEST** Holly Box on the
market. 24 x 24 x 48, paneled ends, weight only
28 lbs. each. 1/2-inch stuff, price \$30.00 per 100.

Shippers of holly should protect their custom-
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Owned and Operated by CALDWELL the WOODSMAN
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G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

530-535 Caxton Building.

334 Dearborn Street, Chicago.

NEW YORK OFFICE: City Island, N.Y.
J. AUSTIN SHAW, Manager.Subscription \$1.00 a year. To Europe, \$2.00.
Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, \$1.00; 1/4 page, \$15; full page, \$30. Discounts: 6 times, 5 percent; 12 times, 10 percent; 26 times, 20 percent; 52 times, 30 percent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Wednesday morning to insure insertion in the issue of the following Thursday, and earlier will be better.

Entered at the Chicago post-office as mail matter of the second class.

This paper is a member of the Chicago Trade Press Association.

INDEX TO ADVERTISERS.

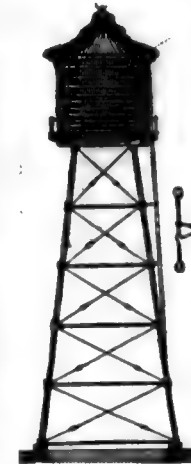
This index covers only those having displayed advertisements. There is a host of others making offers in our classified ads, and they will be found there under their proper headings.

Allen, J. K. 682
Am. Wooden Ware Co. 700
Amling, E. C. 677
Aschmann, Godfrey 695
Baker, W. J. 681
Ball, C. D. 699
Barnard & Co. 665
Bassett & Washburn 684-96
Bayersdorfer & Co. 666
Beach, D. S. 699
Beckert, W. C. 679
Bencke, J. J. 686
Bentley & Co. 684
Bentzen, Floral Co. 685
Berger, H. H. & Co. 666
Bernheimer, E. 681
Berning, H. G. 685
Berry, F. 694
Bonnot Bros. 682
Bowe, M. A. 686
Bradshaw & Hartman 682
Brague, L. B. 685
Bretmeyer's Sons 686-96
Brod, J. 699
Bruna, H. M. 684
Buckley Plant Co. 697
Budlong, J. A. 684
Burpee, W. Atlee & Co. 679
Caldwell Co., W. E. 702
Caldwell The Woodsman Co. 681
California Carnation Co. 697
Campbell, C. H. 697
Century Flower Shop 686
Chicago Carnation Co. 685
Clarke Bros. 686
Clarke's Sons, David 686
Classified Advs. 688
Converse Green-houses. 699
Cottage Gardens. 681
Cowee, W. J. 703
Crabb & Hunter. 686
Crowl Fern Co. 683
Crooke Co., J. J. 701
Cunningham, J. H. 699
Danker, F. A. 694
Davenport, A. M. 680
Davis Bros. 678
Dearborn Engraving Co. 686
Dickinson Co., Albert 679
Dietsch, A. & Co. 701
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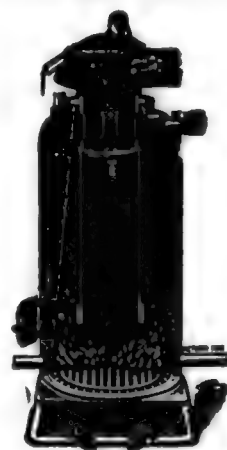
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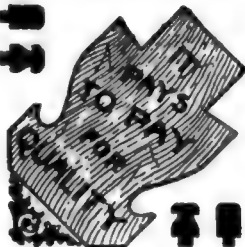
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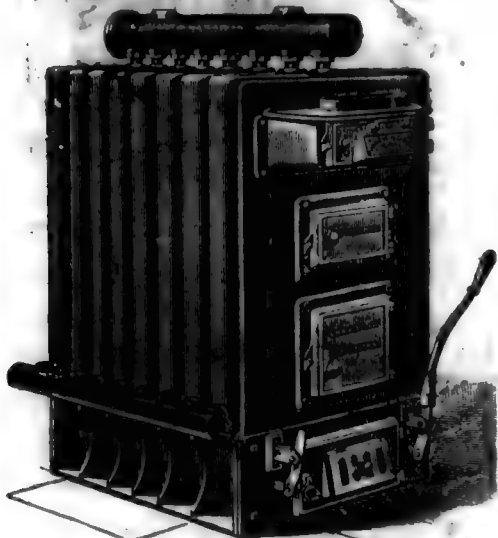
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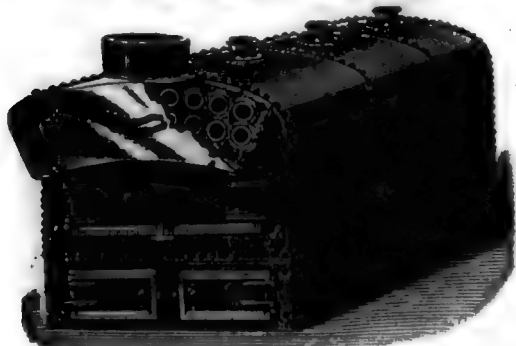
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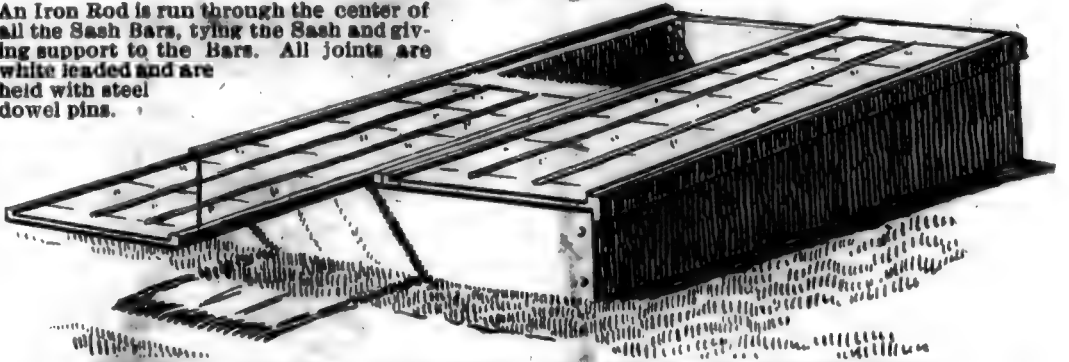
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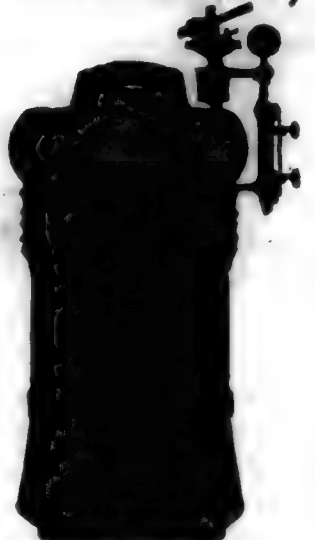
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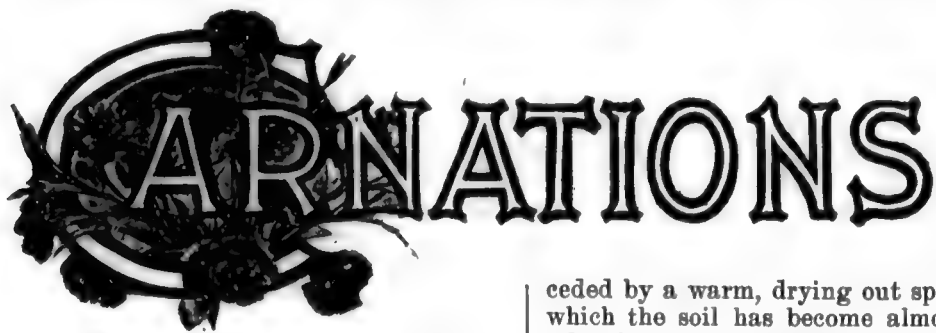
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CARNATION NOTES—EAST.

Watering.

There are so many different conditions to be met and often difficulties to overcome that it is impossible in a short article to cover the many points connected with this all-important operation. There are, however, a few rules which may serve as a partial guide:

First.—Water only when the plants require it.

Second.—Supply no more at the root than is necessary to thoroughly moisten the soil.

Third.—Choose such a time as will allow moisture applied to the foliage to evaporate before night.

Very elementary rules and easy to follow, would be the opinion of a novice, and very true this would be were it not for changes in weather, difference in soils, requirements of certain sorts and situation or arrangement of houses and benches in same. These are matters which demand thought, observation and sound judgment at all times. One can certainly study his soil and know the advantages of his houses, two things out of my power to touch upon. From your knowledge of the composition and nature of your soil, construction of bench as regards provision made for drainage, whether raised or solid, you can judge the natural capacity of a bed to retain moisture.

Daily observance of the rate at which plants are growing will show those making the most rapid strides, and these require the most water, all things being equal. This is owing to roots extending their system in search of food, and a proportionate consumption of moisture may be expected.

During the next month we are likely to have some warm days, accompanied by wind and with ventilators and doors open to allow free circulation of air, transpiration is a matter to be considered.

With the above in mind and occasional examination of the soil to the depth of three inches, one ought not to go wrong in deciding whether or not water is needed. As to quantity, I have already touched upon that. Any surplus which must drip or drain away is a waste of water, a shiftless manner of being sure that at least enough has been supplied, besides being a means of carrying out available plant food in solution.

The manner and, in connection, it may be said, the exact time of applying water, depends much upon the state of the weather. In the early forenoon of a bright day is the ideal time to water and it is well at this time of the year to let the foliage receive its share in the form of a gentle shower. This is especially beneficial in case the sun comes out strong after two or three days rain or cloudy weather, and should signs of wilting persist in showing, a second gentle spraying early in the afternoon is advisable.

There will be dark, stormy periods, pre-

ceded by a warm, drying out spell during which the soil has become almost devoid of moisture. Proceed with caution, watching the plants closely and, if possible, delay watering until pleasant weather; but should the plants give signs of suffering, water sparingly between the rows without wetting the foliage. Oftentimes the plants next the side of the bench are in need of water while the center ones are not, as is proved by examining the soil in both places. This condition is often found in the middle afternoon of a bright day and should be remedied by a slow stream from the hose or, in some cases, a water pot can be used to advantage.

Care should be taken now that the paths and space under the benches are not heavily sprayed or by any means allowed to become watersoaked. During July and August, when the newly benched plants are getting established, this wholesale use of water is made to cool the atmosphere, but with the plants under way and the nights growing cooler and longer it is not necessary, besides there is a dampness produced at night which is undesirable in many ways. GEO. S. OSBORN.

CARNATION NOTES—WEST.

Temperature and Ventilation.

We are having some cool nights now and occasionally the mercury drops close to the freezing point. Those who grow roses or other plants requiring fire these nights will do well to run a line of pipes in each carnation house to keep the air dry towards morning, when the mercury drops the lowest, and the atmosphere becomes moisture laden. If the temperature in the house rises above 50 degrees on account of the steam pipe you should open the ventilators enough to keep it down. In fact, nothing is more beneficial to the carnation than plenty of fresh air at all times.

It is not absolutely necessary, however, to have steam around every night when the temperature drops below 50 degrees, and unless you have to get up steam for some other stock, I would not urge you to do so specially for the carnations. On our place we do not grow anything that requires a higher temperature than the carnations, and we have never found it necessary to raise any steam before September 20, and often not until well into October. While it would never do to allow the temperature to drop to 40 degrees or lower regularly every night for a week, yet we do not consider it harmful to the plants if it drops to 40 degrees in the houses occasionally, providing there is plenty of ventilation on the houses and it is not raining.

The ventilation is an important factor from now until regular hard firing commences, and at every opportunity you should have the ventilators open, more or less, according to the weather. Don't think on a cool evening after a bright day that you will close the house tight and keep in some heat to prevent the

temperature from dropping too low in the morning. You can make no greater mistake. Always remember that a pure, fresh, crisp and dry atmosphere a few degrees low is always preferable to a stuffy, moisture laden atmosphere raised to the proper temperature. I would rather have my houses at 45 degrees five nights each week with the ventilators open than to have them at 50 degrees with the ventilators closed and no steam up.

Of course, in case you have a rainy, wet spell you must turn on the steam to keep the atmosphere dry, even if it does not get very cool. A little later on when your plants are in full crop you would not risk such a variation in the temperature, as it would cause too large a percentage of split calyxes, but at present the sun is strong enough to counterbalance the effect of the variation in temperature, and if a few do burst the loss is small as compared with the cost of firing, etc. Few of your benches are in full crop, either, at this time. Nor could I ever see that it harmed the plants for the future. The carnation enjoys a cool temperature, and the plants in the field seem to take on new life as soon as the nights are cool, after having stood almost dormant for a couple of months in the hot, broiling sun, and through the warm summer nights. You can see it in the houses, too. As soon as the nights become cool and the sun is less intense the blooms open out better and larger, and the growth becomes heavier and crisper, and covered with that powdery bloom which covers the foliage and stem when the plant is in perfect condition.

Close the ventilators at night and allow the temperature to run up during the day, and soon you will see weak stems, small, sleepy-looking blooms and transparent foliage, and worst of all you will invite into your place all the ills that the carnation has fallen heir to. There is hardly a carnation disease that does not enjoy a close, stagnant atmosphere to develop in, and a weakened plant to attack. With plenty of fresh air, a liberal supply of water and an abundance of sunshine your plants should make a fine strong growth, and by the time dark weather sets in they will be loaded with buds which will develop slowly into magnificent blooms. These three things belong together and when they are to be had in abundance it is difficult for an intelligent grower to go wrong, but when one or the other fails you, then you must be careful in gauging the one to conform with the other. During hot summer days the fresh air is lacking, and you syringe to freshen it as much as you can, and you shade the houses to keep out the strong sun. Pretty soon you will try to get all the sun you can and you will be sparing with the water. Conditions keep changing and your treatment must continually change with them. Judgment is needed every day.

A. F. J. BAUR.

PRICE FOR CARNATION CROP.

Relative to a price for a season contract for a crop of carnations, C. W. Ward, of Queens, writes: "It is impossible to know what would be a fair price to contract a crop of carnation flowers for until one is familiar with the market in which the flowers are to be sold, and the quality of the flowers grown, as the same varieties produced by different growers differ very

much in value. Considering the skill of the grower and the quality of the crop produced, as well as the market in which the flowers are to be sold, is the only true way of getting at the value. For instance: Prosperity, Enchantress, Lawson, Roosevelt and other fancy varieties, as produced by the best growers and sold upon the New York market, might bring two to three times the price that the ordinary grower would receive for the same varieties if he was obliged to sell them in some of the markets where the purchasers of flowers feel that they cannot pay beyond a certain limited price for carnations."

ROSES.

Seasonable Hints.

The very changeable weather we are having this month will no doubt leave its mark in rose houses, in the shape of mildew and black spot, and the greatest care should be exercised to avoid the conditions favorable to the germination and spread of these fungi. With this end in view we must be extra careful in the use of water, so that the foliage will be dry before nightfall, giving ample ventilation on all favorable occasions, more particularly during the night, while firing is practiced.

Even when not absolutely necessary to have fire to keep the temperature up to the normal, it is essential to have heat to keep the air in circulation, so that it remain in a sweet and healthy state until sunrise.

Shutting down the ventilators to keep up the temperature to save a few barrow-loads of coal results in the moisture in the house becoming condensed, which will show in the morning in the form of dew drops on the foliage. If this is permitted to occur frequently it will so affect the leaves that they will become susceptible to nearly all the ills the rose is heir to and induce the very conditions we are trying to avoid.

To keep spider in check we frequently require more water than is actually

so often to such matters, and if they were not of the utmost importance to young growers I would gladly skip them, as they seem so much like repetitions. But even some of the more experienced growers are the better of such reminders, not that they are likely to get into trouble through lack of knowledge; procrastination is, however, equally fatal.

We may see a few specks of mildew or a few black spots in the morning, and instead of attending to it at once it is left till some more convenient time, entirely forgetting how rapidly it makes headway at this season, so that when we do find time to attend to it we are astonished to find that instead of a simple matter it has assumed such serious proportions that we are likely to have a hard fight to come out ahead.

By keeping a careful watch for the first symptoms of trouble and attending to it at once we may escape much of the worry, labor and loss attending an attack of either of these pests. **RIBES.**

GREENHOUSES BUT NO CHIMNEY

The accompanying illustration is from a photograph taken by O. A. C. Oehmler at Gregson, Mont. Is there another greenhouse plant anywhere in the country which hasn't a smokestack? The Butte Floral Co. has neither smokestack nor boiler, the heating medium being water from springs naturally hot. They need a little heat at night all the year around, and the hot springs give them all they need all the time. In fact they sometimes have trouble in keeping the control. Last winter they nearly cooked the stock when it was 46 degrees below zero outside. The greenhouses of the State Nursery Company at Helena, Mont., are also heated by water from hot springs, but the water is not hot enough in cold weather, so they have to use boilers also.

A LEAF MINER.

I am sending you some chrysanthemum leaves and you will see that there is a maggot between the tissues that soon

works in the same way among celery leaves. Its scientific name, I believe, is Tephritis. It may also be found on the common burdock, and I have also seen cinerarias considerably damaged by its agency. There may be different varieties, but the insects are undoubtedly of the same species.

As to the question of a cure, the only remedy I can see is to remove entirely, and burn, all the leaves that can be spared and then either squeeze the maggots between the thumb and finger or pick them out with the point of a knife on the remaining foliage. This is a tedious job, but I know of nothing that can be applied strong enough to kill the maggot without killing the foliage. S. M. H. says he has already used kerosene without effect, as may be expected, because the maggot is protected by the skin that it leaves while eating away the interior of the leaf. Poisons are useless unless the leaf be first punctured, which would be an impossible task. If I were S. M. H. I would not worry too much over the matter. With colder weather coming the operations of most insects largely cease and I think it will be so in this case. While I have often seen odd leaves injured, as were the ones sent, I have never seen them in sufficient quantity to affect the sale of the crop.

BRIAN BORU.

GARDENING UNDER GLASS

THE English vegetable forcers are contending with a new cucumber scab which it is feared will prove a very harmful scourge. It seems that the mycelium thoroughly permeates the fruit and the spread is marvelously rapid. Immediate burning of the fruit is advised where the infection is detected.

FORCING TOMATOES.

Where a continuous supply of tomatoes has to be kept up, plants must already be under way, so that the fruits will be ready for use when the outdoor supply has given out. Successional sowings should be made as the supply demands. Although the length of time that the plants will continue to bear may be extended by allowing them to keep on growing and setting fruit, it is better to stop them after six or eight trusses of fruit have been set on each stem, and keep all after-growths pinched off as they appear. This gives larger and better fruit and induces them to ripen up in a shorter space of time, so that they can be got out of the way and replaced by fresh plants.

The plants may be set eighteen inches apart and trained to a single stem, or four and a half feet apart and three stems taken from each. Of the two systems of training we prefer the three stems, as it induces the setting of fruit nearer the bottom of the plants. The side shoots prevent the center shoot from growing too gross, inducing it to flower before it has attained any great length, whereas in the single-stem system, if the plants are growing vigorously, two and sometimes three feet are often lost at the bottom of the plants before any fruit can be set. Fruit can usually be set on the side shoots from where they take the upright turn, thus giving fruit from top to bottom.

Numerous varieties of forcing to-



Establishment of the Butte Floral Co., Gregson, Mont.

(The only known greenhouses requiring no smokestack.)

necessary to sustain the plant in health, and if this extra supply is not evaporated either by sun or fire heat before night it will bring about conditions favorable to black spot. The fight to keep down spider and keep the houses from getting so wet as to favor black spot will keep us busy for a week or two.

It seems almost unnecessary to revert

ruins the entire leaf. They are very numerous, especially on Glory of Pacific, Fee du Champsaur and Helen Bloodgood. I have used kerosene emulsion but without effect. What is the remedy?

S. M. H.

This maggot is caused by a fly and is very similar, if not the same insect that

matoes are being introduced from time to time. Some do fairly well, while others prove unsatisfactory, but for a reliable, free growing and free setting variety for general use, I have not found anything to surpass the old. Sterling Castle is good, though the fruits are not so large. It is a free grower and abundant bearer and is not very susceptible to the attacks of fungous diseases, which render many otherwise good varieties unprofitable.

W. S. CROYDON.

TEMPERATURE OF CUTTING BED.

What method is usually employed to keep the temperature down in the propagating beds? Ours, although shaded, have stood from five to ten degrees higher than the temperature of the soil. We are losing a high per cent. of the rose cuttings put in.

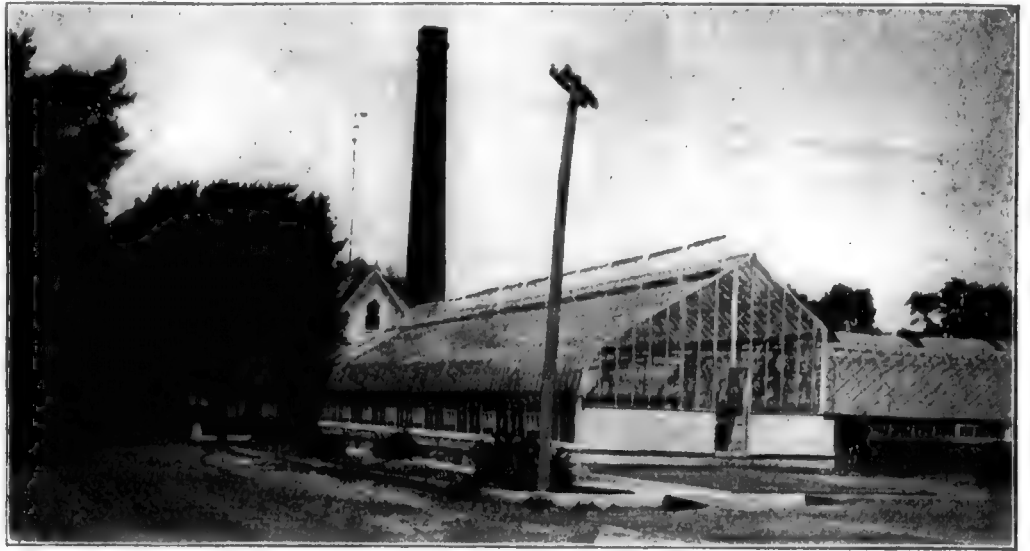
B. N.

From an inquiry at this time it is evident that B. N. is propagating now and using beds under glass, and also, presumably, without any fire heat. If the glass is shaded with lattice or a white-wash of some sort, and ventilation is given, that is about all you can do. The day temperature will go up in spite of all you can do and it will affect the temperature of the sand. To explain more definitely what I mean, if the temperature of the house ran up to 70 degrees every day and receded to 50 degrees every night, the sand would be found to remain at about 60 degrees. As long as you have no heat beneath the sand it is impossible to keep it as warm as the atmosphere on a warm day. These are not the ideal conditions for propagating, except it be for some tropical plants. I don't know anything about the climate of Oregon except what I read, but I fancy that the same methods which we follow in the east would be successful in the mild and beautiful climate of the north Pacific coast. In the east August or early September would be considered a very unfavorable time for propagating roses, from the fact that it is too warm. By the middle of October we can begin fire heat and warm the sand while the atmosphere of the house is cool, and then we have the conditions that give us good results. I have seen hybrid perpetual roses propagated very successfully at the end of June and in early July in hot-beds heavily shaded, just as all the hardy shrubs will propagate from the young spring growth. As I don't know whether it is hybrid perpetual or tea roses that B. N. is propagating, I had better not enlarge on that and will conclude by saying that tea roses from the middle of October until the middle of May are, in the east, about as sure and easy to root as any plant we grow.

WILLIAM SCOTT.

TROUBLE WITH FERNS.

A subscriber, whom we will call "Mr. Altoona," sends a portion of frond of *Cyrtomium falcatum* which was too much dried up before it reached me to tell much about it, yet I could see that the edges were more withered and dried up than the middle portion. He says he has eighteen varieties of table ferns and most of them have the appearance of having been burnt by the sun. He says he shades from bright sun and waters daily. Gardeners don't water daily; they water when a plant needs it. It may be every day and it may be that they want water only once in three days. Yet over watering, unless it were car-



Show House of Geo. A. Kuhl, Pekin, Ill.

ried to great excess, would hardly account for the condition he describes. Altoona adds that on examination he found "small green bugs the size of a pin head, ten to fifteen close together on different leaves, also hundreds of little, long, narrow, black bugs that cannot fly, but crawl on the under sides of the leaves." These green bugs are not aphids, he says. He can find none on any of the plants except the ferns mentioned.

Now, I am sorry I cannot help Mr. Altoona, for I know of no crawling creature that troubles ferns. Scale, which does not crawl, infests some of the larger ferns, and the common aphid or greenfly is sometimes troublesome on the adiantums, but I have never seen or heard of "crawling bugs" on ferns, and the leaf sent was not injured by anything eating it. You must look to some other cause. Is your soil what it should be? The best adiantums I ever saw grown on a bench were planted in good rose soil, a heavy loam with a fourth or fifth of cow manure. A good, fresh loam will grow almost any ferns.

Mr. Altoona says he used a formula for hydrocyanic gas that was published in the Review last July, in a house 20x80, keeping the house closed all night, and in the morning was surprised to find that little white fly still very much alive among his heliotropes, fuchsias, etc. If he had read that formula carefully he would have seen that the five ounces of cyanide, one quart of sulphuric acid and one quart of water was the quantity for 2,000 cubic feet of atmosphere in the house. He does not give height of house, but if it is eighty feet long, twenty feet wide and of ordinary height, side walls, say four to five feet, this house would have 12,000 cubic feet and would need six times that quantity. Measure the gable end of your house, find out how many square feet there are in the end, and then simply multiply by the length and you have the cubic air space of your house. And for every 2,000 feet of air space the formula quoted above is safe, except it be for such plants as are easily hurt by tobacco smoke. For those use one-half quantities and operate on two successive evenings.

WILLIAM SCOTT.

A TRIP TO THE GAS BELT.

Having finished planting and establishing our carnations, I had a few days to spare and I took a flying trip up to the "gas belt" to see how the boys

up there are behaving themselves and what improvements have been made since I last visited that neck of the woods. My first stop was at Anderson, where Stuart & Haugh are doing a fine business. Both of the proprietors were out of the city, so their able foreman, Mr. Hyatt, showed me around. Their stock, from beginning to end, looked the picture of health and showed the careful growing it has received. Their carnations had just been housed and were taking hold nicely. The plants are fine. Avondale, which originated on their place, is their favorite pink variety, although they grow a bench of Lawson and a few hundred of several other pink ones. A couple of hundred plants of McKinley were in fine shape. They still find a limited use for those two old varieties, Daybreak and Lizzie McGowan. The rose houses were showing some fine growth, both of young plants and second-year stock. Only the teas are grown here; lack of room forbids the growing of Beauty. Exhibition 'mums have been given up, as they did not pay as well for the room they took up as other crops do. Not that they do not win any premiums though; they always won their lion's share and we shall miss them at our show this fall. There is, of course, the usual variety of miscellaneous stock found on every retail place, which needs no special mention. This firm believes in expansion, as is shown by ground they have leased next to their own place.

From there I moved down to New Castle, which has been named the "rose city of the west," and after looking through the several ranges you can but say that the name has been well chosen. The first place I struck out for was that of our good friends, the Heller boys, and a warm welcome is always in store for any stranger who happens out there. They take great pleasure in showing you through their large place, and well they may, as you can see only the finest kind of stock all through the place. I found Herbert Heller at the place (his brother was in New York buying, not green goods, but dry goods) and if you are acquainted with Herbert you will know that I was well taken care of. They were just finishing up a fine lot of funeral work, of which they do a lot, he told me.

The American Beauty range is a sight; strong, healthy growth all the way from two feet high up to the tall, blooming shoots five and six feet high, and not

a sign of black spot or spider anywhere to be seen. Thrips show on a bud here and there, but Mr. Heller says that all they want is a few cool days to stop them. House after house of Bride and Maid were in various stages of growth, according to the date they were planted, and several houses of two-year-old plants were making fine breaks. This firm has had extraordinary success with this carried-over stock in years past. A house of Liberty looked fine, but Mr. Heller says it has not been a profitable rose with them. A house of old Mme. Cusin looked nice and they find ready sale for the blooms on account of their beautiful color. Franz Deegen enjoys a house to itself and is doing well. They like it and would have planted more, only it sold too well last spring. Several houses are planted to Golden Gate and they think well of Ivory, of which they have several houses. Sunrise also has a house to itself.

In one of these houses we came across a bench planted with a red rose which will interest rose growers pretty soon. The variety is not owned by them but is the property of Storrs & Harrison, who bought it from the E. G. Hill Co., the originators. It is called Gen. McArthur, and I understand it is to be offered to the trade next spring. Here is a red rose you can grow successfully in the same house with your Brides and Maids and it needs no expert, either, to grow it. There are many other interesting features about this place. The large sheds, the coal cellars, the boilers and heating system are all interesting, but time and space forbid. Just now they are trying to figure out how they can do with two of their boilers what it now takes six boilers to do, and do it easier, as certain heating experts tell them. Mr. Heller says that greenhouse heating is to be revolutionized in the near future.

After dinner we drove over to the Benthey place, where we found Otto Benthey and his force of men engaged in fierce combat with an army of aster bugs which were determined to devour the finest batch of asters I have ever seen. It is a new variety of their own and these plants are being raised for seed. The blooms are pure white and four inches across without any disbud-ding, and they look like white chrysanthemums. There is also a pink one just like the white, save for the color. The stock in the rose houses is all in full growth and healthy throughout, showing a high degree of cultivation. The arrangement of this place is ideal. The houses are built on a gently rising hill-side, not steep enough to tire one, and the boiler shed is on the lower side. No trouble in getting the water to return to the boiler on that place. Their pipe threading machine must have saved them many a backache while they were fitting up their heating system.

From here we drove across town to Reinberg & Weiland's place, where Peter Weiland holds the fort. He was getting ready to drive out, so while he was making his toilet his foreman showed us through. Here again it was roses, roses, roses, and roses again, all in tip-top shape and prospects for a big cut this winter. This place used to grow quantities of carnations, but roses have evidently been found more profitable.

Just across from the depot is L. A. Jennings' place and here we found

Mr. Bender, the grower, busy with his roses, of course. All looked fine, and after spending a short half hour I had to hurry across for the train going down to Richmond, without having time to go back to see Wm. Dittman's place, where I am told he is growing very good Beauties. Oh! yes! I saw many interesting things at Richmond, but this is enough for this time and I am going over to Richmond again soon and will perhaps have something to tell then.

I just want to say one more word, and that is I was glad to see the genuine friendship that exists between the boys at New Castle. You do not find it so in all cities where there are several establishments competing with one another, although competition in business does not necessarily need to make personal enemies.

A. F. J. BAUR.

O'MARA TO THE RESCUE.

ED. FLORISTS' REVIEW:—In common with the rest of your readers I am always interested, entertained, instructed and amused by the contributions from "W. S.," our own "Great Scott." Very seldom, indeed, is there anything in his writings to criticize or amend. But in his witty rejoinder, "Mr. Carmody's Humor," which appeared in your issue of September 3, is the following: "Irishmen, so numerous and prominent now, have been coming here only for the past sixty years. There were a few scattering ones before, but not enough to leave any mark on the national character." Now, surely Mr. Scott did not give much thought to the matter when he made that statement.

The Irish began emigrating to the Colonies as soon as they were formed, but the first great exodus took place when they were "assisted" out of Ireland by the late, but not lamented Mr. Oliver Cromwell. The commissioners appointed by him in 1652, to get rid of the native population in Ireland, did their work only too well. Bruodin estimated that over 100,000 souls were expatriated to the Colonies. Dr. Lingard estimated the number at 60,000. Prendergast states that the total number of Irish transported to the Colonies from 1651 to 1660 exceeded the total number of inhabitants at that period. The emigration did not stop there, but continued through succeeding reigns. The next great exodus took place from 1771 to 1773, mostly from the North of Ireland, owing to Agrarian troubles, the total number in these two years being estimated at 25,000. Spencer estimated the number at 17,350.

The total number of Irish in the United States in 1790, by birth and descent, is given as 1,141,920. That vast number must have left and did leave their mark on the national character. It would be tiresome to enumerate the men of the Irish race who took prominent parts in winning the freedom which we now enjoy. Twelve of them are signers of the Declaration of Independence. One was the "perpetual secretary" of Congress. Famous in the annals of the War of the Revolution are Sullivan, Wayne, Hand, Reed, Moylan, Morgan, Fitzgerald, Barry, Knox, Maxwell, Stark, Montgomery, Jasper, Stewart, Conway, Dooly and many others, all Irishmen or descendants of Irishmen. The rank and file of the Continental army was largely Irish. That fact was settled beyond dispute by the investigations of the committee of the House of Commons appointed to investi-

gate the cause and conduct of the war. The traitor, Jos. Galloway, who was a delegate to the first Continental Congress was examined by that committee on June 16, 1779, and in answer to the question: "What were the troops in the service of Congress chiefly composed of? Were they natives of America or were the greatest part of them English, Scotch or Irish?" Galloway replied: "I can answer the question with precision. There were scarcely one-fourth natives of America, about one-half were Irish, the other fourth English and Scotch." Major General Robertson, testifying before the same committee said: "I remember General Lee telling me that half the rebel army was from Ireland." Lord Mountjoy, in the House of Commons, told the ministers: "You have lost America through the Irish." Even Froude admits the same general fact. As early as 1737 a Charitable Irish Society was founded in Boston. Washington was an honorary member of the "Friendly Sons of St. Patrick."

I might go on and recite much more showing that the Irish race was a factor in forming the government of this country, but am not writing a history. Sufficient has been said, I hope, to disabuse Brother Scott's mind of the delusion that hardly any Irish came here before the days of Tapscott and Castle Garden.

In the council and on the forum, as well as on the tented field and watery main, Irishmen were prominent in the conflict following "the shot heard round the world." As a matter of fact Sullivan's capture of Fort William and Mary was the first real act of war, long before Lexington; and, by the way, Major Barrett, of that immortal day, was of the Irish race.

Patrick Henry it was who boldly cast all petty subterfuge and suggestions of compromise to the winds and demanded liberty. When the first Continental Congress assembled and the issue was in doubt, his was the mind and his the tongue which fused the body into one mass for independence. Sam Adams, almost in despair of the result before Henry spoke, exultantly cried when he sat down that now the die was cast. When the infant republic was struggling with the royalist tendency which threatened to make it a weak imitation of monarchy it was Matthew Lyon, an Irishman born, who began the movement which ended with Jefferson's election and made of the republic a true democracy.

A few words more and I have done. In Saint Paul's church yard, New York City, the remains of three distinguished Irishmen are laid, over whose ashes a grateful country and admiring citizens have erected monuments, viz: Montgomery, Mac Nevin, Emmett. Speaking of the latter the late Abram S. Hewitt said: "Next to Washington and Lafayette I think that Emmett has exercised a wider influence on the formation of American character than any other man with whom our history is at all connected. His associates who found a refuge in this country were men of very remarkable elevation of character and exercised a powerful influence in the formation of a pure democracy."

I will not venture to indicate the source from which American wit has sprung, but am satisfied that if it is as stated by Brother Scott, then undoubtedly it has been clarified by and derives its pungency from the sons and daughters of Ireland.

PATRICK O'MARA.

SPARTA, WIS.

Death of Z. K. Jewett.

The announcement of the death of Mr. Jewett, which occurred at the hospital in Rochester, Minn., September 11, came with the force of a shock to the community, the hope for his recovery having been so strong. He was taken to the hospital in Rochester something over two weeks before, his ailment, affecting the intestines, having assumed a phase which it was thought would necessitate a critical surgical operation. He underwent a partial operation and rallied at once to so marked a degree that his certain recovery was looked for, and he was about to return home, when all at once his strength apparently failed and there was hardly time to notify his friends before the end came. He passed away peacefully and without pain.

Mr. Jewett was one of our best and most substantial citizens, and more than that, one so much identified with the life, the business and society of Sparta that hardly a resident of the city but feels his death as a personal loss. He was one of the older class of citizens, having come here in 1865. His birthplace was in Aurora, Portage County, Ohio, but most of his early life was passed in and around northern Illinois. He went to California in 1858, remaining about five years. Coming here, Mr. Jewett located on a farm in Lafayette at first, but subsequently, in company with his brother, A. H. Jewett, established a nursery. He purchased his brother's interest in 1873, and developed a large and growing business in nursery stock. His son, Arthur, and daughter, Miriam, came into the business, the former managing a branch, dealing in packing moss, a conspicuous feature, while extensive greenhouses were established in 1897 and developed a large business under charge of Miss Miriam Jewett. The Jewett nursery and greenhouses acquired a wide reputation, and enjoyed a large trade.

He was married in the spring of 1866 to Miss Eliza Judd, whose home was in Antioch, Ill. She survives him, together with Arthur J., son, and Misses Miriam and Maude, daughters. His brother, A. H. Jewett, resides at White Salmon, Wash., and a sister, Mrs. L. C. Morehouse, at San Leandro, Cal.

NEW YORK.

Institute Exhibition.

The seventy-second fair of the American Institute of New York began yesterday (Tuesday) afternoon, and will continue until 10 p. m. on Thursday in the Berkeley Lyceum building. The prize list includes flowers and ornamental plants, fruits and vegetables, farm crops and implements, and an aggregate amount of over \$800 will be distributed in prizes, besides medals and certificates. This promises to be one of the best exhibitions the society has ever given. The entries are numerous and the opening day demonstrated an unusual public interest. The limited space of the Lyceum for exhibition purposes is again apparent, and the necessity for a horticultural hall in New York city becomes more and more evident every month. The grand room which will be tested this fall by the Chrysanthemum Society, will demonstrate to the satisfaction of all, I am confident, the necessity for



Arthur J. Jewett.

The late Z. K. Jewett.

Three Generations of the Family of Z. K. Jewett.

such a building and the appreciation of a critical public.

The Market.

Following the summer temperature of a week ago came one of the greatest storms of recent years, almost local in its character, but strenuous to a damaging degree. Following this has come a period of New York autumnal glory, with sunny days and chilly mornings that will fill humanity with hope and ambition, and make its influence felt in improved quality of flowers and activity in the business that has been so long delayed. The supplies of cut flowers during the past week have been enormous, and there seems to be no end to the quantity. Everything is abundant and the surplus each day would supply almost any city in the country with a sufficiency for its regular requirements. Violets have recovered from the set-back of summer temperature, and there are now too many, even of greatly improved quality. Chrysanthemums grow in number and beauty daily. Before the end of the month the autumn queen will again be enthroned. Some fine Enchantress are in the market, and novelties must again be added to the weekly quotations.

Various Notes.

Langjahr's new store will open about October 1. He is refurnishing, painting and making necessary alterations, having had possession of the premises since last July.

Mallon's, in Brooklyn, under the superintendency of Louis Michel, is receiving its annual renewing and promises to look as good as any store in the city of churches in time for the fall opening next week. Lou has been summering at Fort Lee, and his genial employes have been at Brighton and Saratoga.

The primary elections made a busy scene at Bradshaw & Hartman's last week. This firm has a splendid lot of Boston ferns on exhibition, and intends to maintain a wholesale plant department this fall as usual.

Young & Nugent are making their big store spick and span with paint and electric lights, and J. K. Allen's annual house renewal is over, and enough white paint has been used to beautify the Flatiron building.

August Rhotert arrived yesterday from Europe on the Kaiser Wilhelm, and A. Dimmock floated in on the Umbria last Saturday.

Cassidy & Sons' greenhouses burned last week, with a loss of several thousand dollars, and Frank Miller, of De Kalb avenue, Brooklyn, had a fire in his store that ate up the profits of several Saturdays.

Enchantress carnations and Crowe-anum ferns at Raynor's last week, were much in evidence, the former reaching the top price for the new season.

The auction business began its season at Elliott's on Tuesday last, and now every Tuesday and Friday until the snow flies the voice of the auctioneer will be heard in the land. About a dozen of the wideawake retailers were present and picked up some palm bargains. The prices realized were very satisfactory, and among those who consigned their goods to the tender mercies of Mr. Elliott, I find the familiar names of Louis Schmutz, Siebrecht & Son, George Lorenz, Pankok & Schumacher, Will Siebrecht and Anton Schultheis.

A. Scollay has just completed the building of two houses for Hession, of Flatbush, two for Charles Weber, of Lynbrook, L. I., and his largest contract of the year, the conservatory at the private estate of millionaire George A. Sheldon.

Mackintosh has just installed a handsome 200-dollar electric sign over the doors of his new store, which gives it a very metropolitan appearance.

Bowe's new wagon is a beauty and in keeping with his growing business.

John H. Carroll, of Thorley's, has returned from his two and one-half months' stay at Atlantic Highlands, where with golf, swimming and other outdoor sports he has had a strenuous time, winning five out of six swimming races, and the silver cup in the golf tournament on July 4. He has some novelties up his sleeve for Christmas that will throw his trunks, chariots and automobiles of other years in the shade.

Julius Roehrs, Sr., who has spent the summer in Europe, returned last Saturday. During his absence J. R., Jr., has demonstrated his ability to conduct the immense establishment safely and

enterprisingly. Eight large houses have been rebuilt, and a great increase in the orchid output established. Every variety of stock for florists' use is here in unlimited quantities.

The Cut Flower Exchange in the Coogan building is putting on some new clothes for the coming season, and now lacks only one of the century, having ninety-nine stand holders on its list. The life and hubbub of a busy morning there can be imagined.

Fred Atkins is looking remarkably well after his European trip, and his big stock of bulbs was being unloaded and repacked for shipment when I called. Three new houses, 30x135, have been completed this summer, and are stocked with large kentias, the stock of which in Europe, he tells me, is becoming depleted. The nursery department has not been forgotten and immense additions and importations are provided for. The big storm nearly precipitated a catastrophe, swaying the palm houses dangerously near to a complete collapse. But fortunately rapid bracing saved them, and the valuable stock they sheltered. Bobbink & Atkins have their own cypress tub factory, employing several hands, and finding a ready sale for all they can manufacture.

W. H. Gunther has enjoyed an added outing for a few weeks with his family at Highlands, N. Y. While there he took a trip among the violet growers around Poughkeepsie and found an epidemic of typhoid fever in the Bahret and Knauss families, eleven of the growers being down with the disease, and C. G. Knauss, unfortunately, one of its victims. These gentlemen have been shipping violets to Mr. Gunther since 1893. Then he could see his growers in that section in a day. Now it takes two weeks to visit all of them. All the wholesalers who have visited the violet section of the Hudson report the stock as never having looked better, and an enormous output is predicted.

William Sampson, the wholesale florist of the Coogan building, has decided to forego the strenuous responsibilities of the cut flower trade this season and has arranged to join the forces of Thomas Young, Jr. Mr. Sampson was with Mr. Young for nearly ten years, so that it will be like returning home to get back to the old duties again.

J. AUSTIN SHAW.

ST. LOUIS.

The Market.

Business during the past week was fair and there is considerably more life in the cut flower market than there has been for some time, still several leading retailers report that they find trade slow to open. Several large wedding orders have been booked by them for October. Some smaller wedding work was done the past week, but nothing elaborate in the way of decorations was noted. The call for light colored material has been quite good, and some days the market was entirely cleaned up on white stock, as there was a lively demand for funeral work.

Last week there came a cold snap, which necessitated firing at night, and stock shortened up considerably. White roses became very scarce the latter part of the week, although in colored roses there were enough for the demand. Bridesmaids are of better color since the

cool weather began, but some mildew is noticed on them. Meteors are showing better wood and color. The top price for good stock is about \$5 per 100, and \$3 for the second grade. Quite a lot of Beauties are coming in and are of good quality, with longer stems. The demand for these is good, the best always selling well at any time. The choicest bring \$3, and from that they grade down to 75 cents per dozen. Carnations are improving every day, with fancies still very scarce. There is plenty of outdoor stock coming in, which is very small and sells slowly. Most of our growers are not cutting much yet from their housed stock. The best sell at \$1.50 to \$2, and the outdoor stock at 50 cents per 100. No chrysanthemum blooms are in, but some are promised in a week or ten days. A few violets have been seen, but no regular shipments are as yet noted. Lily of the valley continues good and the demand is fair at \$4 per 100. Very little outdoor stuff is coming in. Hydrangeas and asters are good; dahlias are few and poor, and tuberose stalks are about the only good outdoor stock that comes in at present. The green market is in good condition, plenty of everything to be had at the usual prices.

Various Notes.

The members of the Florists' Club will please take notice that owing to the next regular meeting of the club falling on October 8, big Thursday of fair week, it has been decided to hold the meeting a week later, which will be Thursday afternoon, October 15, at 2 o'clock, in Odd Fellows' building.

Twenty-five years ago last Thursday the St. Louis Floral and Horticultural Society was organized, from which sprang the present St. Louis Florists' Club. Among the most prominent of the organizers at that time were the Hon. Henry Shaw, Carew Sanders, E. A. Michel, Eli Foster, J. M. Jordon, Charles M. Ellerd, Dr. Enno Sanders, John J. O'Fallon, Dr. Louis Boisligniere, Palus Gast, Charles Cannon, A. S. Mermod, James E. Yeatman, Norman J. Coleman and others. Most of these have passed beyond, and the one left, who is now a member of the St. Louis Florists' Club, Carew Sanders, is at the present time enjoying the best of health, having just returned from a month's pleasure trip with his wife through Colorado and Kansas.

R. H. Walker called on the trade last week, representing the McCray Refrigerator Co. Mr. Walker says that their sales have been big from their advertisement in the REVIEW.

F. W. Maas, of the Plant Seed Co., and Adolph Corneli, of the Schisler-Corneli Seed Co., have returned from their trips to Chicago. Both firms are busy with bulb orders.

Rudolph Windt, son of J. F. Windt, the Bayard avenue florist, will leave this week for New York to accept a position in one of the large establishments in that city. Mr. Windt is an energetic young man and a willing worker. The firm which secures his services will not regret it.

J. L. Irwin, who has charge of the Philippine Island World's Fair exhibit, will house his orchids and palms for the winter at Old Orchard in the house owned by the Michel Plant and Bulb Co.

The Bentzen Floral Co., on Marcus avenue, reports that it is shipping a great many plants through its advertisement in the REVIEW. A fine lot of pot chrys-

anthemums at this place will soon be ready for the market.

The St. Louis Fair Association will open its annual fair on Monday, October 5. Colonel John Ayres, who is superintendent of Floral Hall, says that the usual prizes will be given for plants, designs and cut flowers, and that quite a few entries have already been made by the local florists. Our friend, Max Herzog, has again been selected as judge of the exhibition.

William Lamar is still keeper of Forest Park and it looks as if he will remain. Mr. Lamar is a Republican, working under a Democratic administration, and is perhaps too good a man to dispense with, and is kept to help out those who know very little about running a big park like Forest.

The Cannon Floral Co., at Webster Groves, is sending in some good roses and carnations. John Cannon reports that he is much pleased with the outlook for the coming season.

Ostertag Bros. furnished the floral decorations at the opening of the Missouri Athletic Club on last Saturday. The decorations were elaborate and much admired. Henry Ostertag reports trade good in that line.

Charlie Ford, who represents A. Herrmann, of New York, is in town booking supply orders and reports trade very satisfactory in his line.

Bowling.

The Bowling Club had a delightful night for bowling. Three games were rolled and most of the scores were good. Carl Beyer was high man, followed by Beneke and Kuehn, all being in the 500-class. The scores:

Player—	1st.	2d.	3d.	Av.
Carl Beyer	180	156	200	178
J. J. Beneke	171	179	178	176
C. A. Kuehn	190	163	162	171
F. C. Weber	114	185	163	154
Theo. Miller	150	184	141	158
F. M. Ellis	147	146	148	147
Will Adels	141	144	141	142
John Young	125	120	168	137
Fred Meinhardt	121	126	131	126

The ladies of the bowlers will roll their first games on Wednesday afternoon at the Blue Ribbon alleys, Jefferson avenue and Locust street, and every Wednesday hereafter at 2 o'clock will find the ladies bowling.

J. J. B.

PHILADELPHIA.

The Market.

Business continues to improve in all branches of our great industry. The weather has at last been kind, it really owes us something, bringing in flowers of a higher grade, which brought advanced prices. This is especially noticeable in Beauties, Maids and carnations—Queen Louise and Enchantress ideal. Jacob Becker's new pink rose has made its appearance. The first single violets are in, but are hardly at home yet. Dahlias are arriving in immense quantities. W. P. Peacock sent in 5,000 to S. S. Pen-nock on Monday. The demand for them is excellent. Valley goes rather slowly now; it should be different next week. W. J. Baker is receiving some nice yellow daisies. Robert Craig & Son are bringing some nice Harrisii lilies to the Flower Market. Greens are selling better.

East vs. West.

A keen rivalry has sprung up between the two great centers in the wholesale cut flower business divided by Broad

street. For a long time the western district has held almost undisputed sway, but lately the eastern has been gaining in strength, while today the leading wholesalers in that section claim that the business center has shifted and that the volume of trade done there is even greater than on the other side. It is stated that P. J. Hauswith, of Chicago, who visited all the principal wholesalers last Saturday, said there was more business done about Twelfth street than near Sixteenth. Whether this is a fact is difficult to ascertain. At any rate, competition is the life of trade and both sides will do their very best to keep up healthy rivalry.

Dahlias at Atco Continued.

Fifteen years ago W. P. Peacock made up his mind that success was most likely to reward the efforts of a specialist. The dahlia had not been specialized up to that time. Situation, soil and the beautiful variety *Nymphæa*, decided him in favor of that flower. He devotes his entire attention to dahlias and has persevered steadily, aiming to produce the best. The advance has been marvelous and today his dahlias are known all over the country for their high quality. The principal business is in the roots. Six thousand dollars worth was sold in one month, March. Plants grown from cuttings and seed are also sold in quantity, as well as the cut flowers. Two hundred thousand seedlings were grown this year, but very few prove better than standard varieties. In hybridizing a double cross is always made, contrary to the method employed by carnationists. The erect flowers of the cactus varieties, and the French collarettes seemed to me especially beautiful. An interesting point is that the tops mixed with commercial fertilizers are plowed under each season, so that manure is only needed every third year. Mr. Peacock's skill and integrity have won him the confidence of all our leading seedsmen, who send to him their varieties to test with certainty that everything possible will be done to develop them and that their confidence will be guarded. A force of from twenty to forty men is at work throughout the year, and from their intelligent efforts Mr. Peacock gains excellent support.

Various Notes.

Edward Reid is just returned from the west.

C. A. Dunn spent several days this week in northern New Jersey.

Stephen Mortensen, of South Hampton, is sending in very fine Brides and Maids to S. S. Pennock.

G. C. Watson's address on peonies for the Germantown Horticultural Society last week was full of interest. He told his hearers that fifty-four of the best varieties had been planted, correctly labeled, in Fairmount park, and that he hoped in time that the tangle of names would be straightened. He was followed by Edwin Lonsdale, who gave some cultural ideas. Mr. Lonsdale expressed himself greatly pleased with the size and appreciativeness of his audience.

Last week's dahlia show of the Pennsylvania Horticultural Society was well attended. Besides the magnificent display of dahlias, the finest ever seen in this city, there was a perennial exhibit of seventy varieties from the Riverton nurseries of Henry A. Dreer.

A. Farenwald, of Hillside, will ship

half his stock of Beauties and Liberties to Leo Niessen. The balance goes to Young & Nugent, of New York. As Mr. Farenwald has doubled his plant this season, this city will see as many of his roses this season as in the past.

Harry Schröyer, of Lancaster, was in town last week. His buyer followed.

Charles E. Meehan is greatly encouraged by the success of the Flower Market. The growers are supporting it in fine style, and many of the best buyers come there each morning.

Edward Fancourt, who has charge of S. S. Pennock's ribbons and novelties, states that their business is unusually heavy this fall. He has some beautiful violet pins, hampers, and some new cat-tleya and Meteor ribbons.

Leo Niessen has reason to be proud of the roses he has secured for the coming season. With Beauties from George Burton, Liberties and Beauties from Farenwald and Brides and Maids from Andre and Bevis, he will have a collection hard to equal.

William Wunder is cutting some fine Enchantress.

Edwin Lonsdale recently spent a week in the south and west. He visited fifteen states, returning home well satisfied with good old Pennsylvania.

It is charged that the horticultural press of this city is becoming a sort of parish register or announcement column, chronicling the arrival of "the people one ought to know." As W. P. Craig cleverly puts it, of course this is indignantly denied by Robert Kift, by David Rust and by PHIL.

MADISON, N. J.

Current Events.

The Pierson Sefton Co. commenced this week the erection of a range of green-houses for Dr. L. D. Ward, of this place, which will, when the plan is finished, give a complete series of model houses for private use. They include rose, carnation, fruit and general houses, grape-ries and melon houses, and are to be all of the new galvanized "U" bar construction. Dr. Ward is one of our millionaire residents and has an estate of several thousand acres which he is constantly adding to. His gardener, W. F. Ross, has a fine batch of chrysanthemums which he is hoping to flower in the new houses. A series of lakes and water-courses form a prominent feature of the landscape effects on this estate.

I called on J. R. Mitchell the other day and found him busy top dressing his benches of carried over roses. He is a firm believer in two-year-old plants, and certainly his record as an exhibitor and grower of the highest grade of tea roses entitles him to speak with authority. A bench of Ivory was noticed here, and while on this subject I may mention that Beauties, Brides and Maids are almost the only roses grown in this vicinity. The novelties have got to prove their worth in a very decided manner before the Madison grower will take them up. Some few growers have a house of Meteor, and at the Holmes establishment, where Benjamin Gary holds the fort, one may see some very fine stock of President Carnot and Bon Silene, but as a general thing one sees only Brides and Maids, with the large growers running mostly to Beauties.

One not acquainted with the town can hardly realize the magnitude of the rose

growing business here. There are some sixty different growers, all shipping from the Madison depot to New York, and the scene on a winter's morning is an animated one. Holiday times the stock is shipped by the carload and now there is a wagon express that runs down by road.

One cannot see half the establishments in this vicinity unless he comes here to stay a few days, and takes a horse and lots of time. The fertilizer drummers and members of that fraternity stay for a week. VISITOR.

CHICAGO.

The Market.

The market has taken a brace and lively times have been the rule. The cool weather at the end of last week, which reduced supplies, may have had something to do with the skirmishing for stock, but since summer returned demand has continued brisk. Monday was a big shipping day and on Tuesday the market felt the influence of the Jewish New Year.

There are some good Beauties coming in, fair stem and large bud, but a little bleached. Brides are fair, but Maids off color. Meteor is hard to get in quantity, and only a few Liberty are seen. Golden Gate is the most easily obtainable rose, but with continued bright days the cuts will increase all along the line. Carnations are already coming in heavily, and of fair quality for the season, but the demand this week has been equal to all receipts. Asters are practically out of it. A few chrysanthemums are seen, and a small box of violets now and then. There is a brisk call for green goods.

To Rejuvenate the Club.

At a meeting last Thursday evening a report was made of the financial end of the S. A. F. entertainment. Approximately \$1,500 was raised and there will be a rebate of about one-third. Subsequently the matter of the status of the Florists' Club and Horticultural Society was discussed at length, the unanimous opinion being that it would be a misfortune to the craft should the autumn exhibition cease to be an annual event. It was agreed that the only way to insure the continuity of our shows is to have at least one live society to keep the trade interest up and it was decided to place the matter in the hands of a committee of seven of the more than twenty present, to report at a special meeting of the Florists' Club. The supper table around which the discussion was held was decorated with some fine blooms of W. N. Rudd's light pink carnation, Phyllis.

The committee met at the Union on Monday evening and it was decided to call a special meeting of the Florists' Club for Friday evening at the Sherman House, and a large attendance is pledged. All members and those who have the good of the trade at heart should be on hand.

The first regular meeting of the club for election of officers is on Wednesday, October 14.

Various Notes.

Among those who are disappointed that the Kansas City flower show has been abandoned and that the Chicago exhibition cannot be held in the event of failure to find a hall speedily, none are more seriously affected than H. W. Buckbee,

of Rockford, and his foreman, C. W. Johnson. Not only have they a fine lot of single-stemmed blooms in prospect, but one house, 22x150, has been devoted to specimen plants, and better could hardly be asked. John Reardon, too, gardener to Martin A. Ryerson, has an unusually good lot of plants, or had until he stopped training them, when he learned the status of affairs. The old Hibbard, Spencer, Bartlett & Co. building, corner Wabash and Lake, is suggested for the show.

The express companies have united in serving notice on the wholesalers that there will be no "pick-up" after six p. m. Out of town buyers will therefore take notice, and get the orders in early enough to give time to get the boxes packed before the last call of the wagons.

J. Mendel has opened a store at 422 W. Eighteenth street.

A new store at Fifty-first and Woodlawn has been opened by a Fleischman who has no connection with the State street firm.

The property at the corner of Madison and Wabash, now occupied in part by the Anderson Floral Co., has been leased to Otto Young for a term of years at a price which makes it the most valuable lot on Wabash avenue. A big office building will be put up next summer.

Paul Kopanka, of the Chicago Carnation Co., has received word of the safety of a brother long thought to be dead.

George Reinberg reports a constantly increasing demand for carnation plants.

James Hartshorne rode the Elks' goat at Joliet a couple of weeks ago, and upon dismounting found a mere scratch on his foot, but it kept him in bed for a week with a touch of blood poisoning.

P. J. Foley is figuring on getting some time to "mix" with the trade this winter, for he has his brother, J. P. Foley, here from Seattle to take charge of the office end of the business. He is an old Chicago newspaper man.

B. E. Gage, of the Peterson Nursery, is out after a two weeks' siege of the grippe.

Swain Nelson & Sons are building a new greenhouse at their west side nursery.

Visitors: Simon Dumser and Miss Dumser, Elgin, Ill.; T. L. Metcalfe, Hopkinsville, Ky.

CINCINNATI.

The Market.

Cold weather arrived with a vengeance during the past week, the temperature dropping over 30 degrees in one night. It was not quite cold enough for frost, but there was a decided shortening in stock. This was noticed in all lines, but in asters the supply seemed to be cut off between two days. The demand for them, which had been very good right along, did not diminish, so there was a decided rush for what few were to be had. The supply of American Beauties also went down and the quality of the stock was also affected. Brides are not sufficient to fill orders. Maids are more plentiful and some of them are very good. Ivory also is good and the short-stemmed ones sell well for funeral work.

Carnations are coming better every day. The floral world would be a sorry one without this flower and its return after the summer months meets a hearty reception. Some blooms of Enchantress are very

good and there is no trouble in disposing of them. Many other varieties are showing up well and soon will be up to the standard. Some cosmos is coming in now and it sells well. The market is still well supplied with green goods.

Table Decorations.

On September 17 the contest for the prizes offered by the Fall Festival Association for the best decorated table was decided. This brought forth the finest examples of the florists' art in this kind of work ever seen in this city. The tables were truly beautiful, and the judges, five society ladies of this city, had all they could do to decide which was the best. As everything on the table was taken into consideration in judging, there was some beautiful cut-glass, silver and china shown. The table winning the first prize of \$200 was decorated by Hardesty & Co. American Beauty roses and valley were the flowers used. The winner of the second prize, \$150, Julius Baer, showed a table of very pretty design. Kaiserin roses and valley were the flowers used. The green and white made a very pretty effect, and the detail work was well done. Miss Edith Kyrk and Charles Gardner won the third prize of \$100. Their table was made up of plants only and was a model in that class of table decorations. The plants used were adiantums, pandanus, begonias and crotons, with favors of valley.

There were seven entries competing for the prizes, and those who, according to the judges, failed to win, still received much praise from the public and their exhibits were truly worthy of it.

Notes.

Jos. R. Goldman, who has been spending the summer months in touring California, is at home again. He is in much better health and was well pleased with what he saw.

Visitors during the past week, most of whom came to see the table decorations at the fall festival, were, Louis Elsass, of Chillicothe, O.; Geo. Wiegand, Indianapolis, Ind.; Miss White, Lexington, Ky.; H. H. Ritter, Dayton, O.; Theo. Bock, Hamilton, O. C. J. OHMER.

PITTSBURG.

The Market.

The reports from different retailers indicate that fall trade has opened up quite satisfactorily and that the society calendar shows many social affairs and weddings for the next two months. This looks very encouraging for a good season's business. Growers in this vicinity say the stocks of roses, carnations and Beauties were never so good. A sufficient supply of carnations is now arriving; the color of the flowers is almost perfect and the blooms are remarkably good for so early. Most all the newer sorts of carnations planted this season are doing finely. Asters are no more a glut and in about one more week they will be done for this season. Gladioli are still numerous and sell slowly. Some dahlias are arriving but meet with poor sale.

Various Notes.

At the Pittsburgh Rose & Carnation Company's place at Bakerstown the Beauties, Maids and Brides are looking good and show promise of an abundant crop in the near future. Some space is

also devoted to that oldtime rose, Cusin. With them last year this rose produced large cuts of first-class flowers. They are growing the following varieties of carnations: Boston Market, Queen Louise, Flora Hill, Lawson, Hector, Nelson, Joost, Goethe, Adonis, Lillian Pond, Morning Glory, Genevieve Lord, Enchantress and Peru. This place is the largest in this section and the best constructed. They consign the cut to the Pittsburgh Cut Flower Company.

The first chrysanthemums reached this market September 17. Marquis de Montmort was the variety, shipped by Henry Eichholz, of Waynesboro. F. Burki is now shipping the Cut Flower Company some good Fitzwygram.

B. L. Elliott, of Cheswick, is branching out as a dahlia grower. He is cutting some good blooms of this flower.

Ernest Fisher has opened a flower stand in the Pittsburgh Market.

Frank Faulk has started a new enterprise in the Allegheny Market. He is manufacturing a very good red immortelle bell.

Breitenbaugh & Brother recently made a floral freight car, six feet long, two feet wide and three feet high. The work was well executed.

Gustav & J. W. Ludwig are displaying a very fine pink dahlia which they have named Ludwigana.

Henry Blind acted as "our host" last Tuesday. The affair was a "corn roast" and about thirty florists and their wives enjoyed the fresh, sweet green corn.

E. C. Ludwig entertained his friends at his home September 17. The affair was a stag card party and a most enjoyable evening was spent.

Mrs. E. A. Williams is on a business trip to Boston.

Recent visitors included J. W. Glenn, Kittanning; T. Malbrony, Johnstown; H. G. Flemming, Fairmount, W. Va.; Max Schreiber, McDonald; Edward Reid, Philadelphia. Hoo-Hoo.

THE INDIAN PIPE.

I forward herewith a plant I found growing near Detroit, which no one can identify. There were a number of clumps in a damp, shady place, the stalks growing directly out of the ground.

B. H. G.

The plant forwarded is a fine specimen of the Indian pipe, *Monotropa uniflora* L., the type of the fourth sub-order of the Ericaceae, a singular little plant which is always something of a pleasant surprise to the collecting botanist. Its pure white color and graceful shape and its waxy texture at once distinguish it from the rest of nature's handiwork. The Indian pipe is a low, fleshy plant which grows parasitically on the roots of the trees under which it is found, in this region mostly under lindens, in deep, rich woods. The stems bear scales instead of leaves, and spring from a dense mass of gristly-looking, matted fibrous rootlets. Each stem bears one pendant flower turned to one side, making, with the waxy stem, a pretty model of a tiny calumet, or pipe of peace. This strange plant has, besides, a host of popular names. It is called American ice plant, bird's nest, fit-plant, one flowered wax plant, corpse plant, etc. The Indian pipe, being a root parasite, can hardly be transplanted, and the chance of growing it from seed is exceedingly small.

JOHN HIGGINS.

ASPARAGUS—Long Strings.

The decorators in the big cities are using Asparagus extensively (hundreds of strings at a time for store openings, etc., in Chicago) and your customer would want it if you showed him how big the showing is for the money.

We can supply the goods so you can do the work and make a nice profit. Strings from 25c to 50c.

ALL OTHER STOCK IN SEASON.

E. C. AMLING,

**The Largest, Best Equipped and Most Centrally Located
Wholesale Cut Flower House in Chicago.**

32-34-36 Randolph St.,
Long Distance Telephones 1978 and 1977 Central.

Chicago, Ill.

Mention the Review when you write.

RECENT HAIL LOSSES.

The following losses have been paid by the Florists' Hail Association since August 1, 1903. At present only one loss remains unadjusted.

Geo. B. Christie, Clifton Heights, Pa...	\$ 27.94
James Cole, Philadelphia.....	136.55
J. Wm. Colfesh, Philadelphia.....	17.85
Wm. K. Harris, Philadelphia.....	173.49
Joseph Esslinger, Denver, Colo.....	450.95
A. J. Pennock, Lansdowne, Pa.....	32.64
Colfax Ave. Floral Co., Denver, Colo..	1,280.23
Ed. Palmer, Chicago, Ill.....	6.58
Meyers & Co., Bluffton, Ind.....	59.95
Claus Matthies, Omaha, Neb.....	81.50
R. C. Seeger, St. Paul, Minn.....	52.70
The Park Floral Co., Denver, Colo.....	364.02
Swain Nelson & Sons, Chicago, Ill.....	36.61
C. & G. L. Pennock, Lansdowne, Pa.....	111.02
Wm. Didden, Philadelphia.....	26.71
Wm. C. Walters, Denver, Colo.....	339.80
George Pastor, Huntington, Ind.....	266.41
August Lutz, Philadelphia, Pa.....	7.40
Geo. R. Geiger, Nazareth, Pa.....	2.24
Geo. Zimmer, Sr., Omaha, Neb.....	27.16
Henry Sweitzer, Mendota, Ill.....	244.83
Walter & Richmond, Harman, Colo.....	51.65
Louis Zadina, South Omaha, Neb.....	7.00
Henry Carstens, Omaha.....	40.00
Phillip Tulmer, Cardington, Pa.....	34.52
Claude J. Hurt, Harman, Colo.....	21.45
Mrs. Annie Cranney, Minneapolis.....	29.92
Richard I. Smith, Secane, Pa.....	63.10
Robt. Scott & Son, Sharon Hill, Pa.....	20.22
Emil Glauber, Montclair, Colo.....	1,426.66
Karl Muller, Sr., Philadelphia.....	20.45
Geo. H. Borenscheer, Denver, Colo.....	32.60
Hess & Swaboda, Omaha, Neb.....	155.95
Geo. K. Kester, Cardington, Pa.....	16.45
J. N. Spanabel, East Palestine, O.....	19.25
Thomas Morris, Harman, Colo.....	9.50
A. Donaghue, Omaha, Neb.....	115.71
J. F. Ammann, Edwardsville, Ill.....	29.56
Fred Hall, Montclair, Colo.....	29.01
R. J. Groves, Atchison, Kas.....	6.10
Mrs. R. Mauff, Denver, Colo.....	480.17
C. E. Carbine, Wadsworth, Ohio.....	5.65
J. S. Bowdry, Raton, N. M.....	10.64
R. Tindall, Independence, Mo.....	40.66
J. C. Rennison, Sloux City, Ia.....	158.52
Mathew Kronz, Great Falls, Mont.....	25.60
Alfred Broman, Independence, Mo.....	115.17
E. G. Bunyar, Independence, Mo.....	90.00
Chaffin Floral Co., Cheyenne, Wyo.....	150.00
Edward Kline, Sr., Streator, Ill.....	6.74
Otto Androcar, Central Valley, N. Y.....	3.54
Salter Bros., Rochester, N. Y.....	26.00
Fred Bishop, Sloux City, Ia.....	161.90

SAN FRANCISCO.

The Market

In speaking today to one of our most prominent Sutter street florists, he complained that never since he had been in business had good flowers been so scarce as they have been during the past four months. He called my attention to his windows, in which were displayed a half dozen jars of carnations and about the same number of roses, and surely they were a sorry lot. "Now that the asters are gone and the chrysanthemums will not be plentiful for several weeks," said he, "we are especially un-

fortunate. They are the best to be had and there is not a larger display seen anywhere in town, but there seems to be something the matter with the growers for the entire summer and I cannot get any good stuff." I found that all our retailers are of the same mind and many of them claim they have been utterly unable to fill the orders sent them by their regular patrons. It is a fact that good roses are impossible to get at any price. They are either covered with mildew, are weak and puny or they are off-color entirely. I have not seen any fancy Beauties for months and Bridesmaid and Testout are of very poor quality also. With carnations we have had only fair flowers to offer and some of our swellest florists have had to fill up their windows week after week with asters and other common truck to make any showing whatever. I am in hopes that with the cooler weather that will be here shortly I will be able to say something more pleasant about the quality of flowers grown in and around San Francisco.

Notes

P. McDonnell, of Alden; A. Galloway, of Fruitvale, and Wm. Bennett, of Tamescal, are all building carnation houses at present.

One of the largest and most elaborate wedding decorations ever displayed in California was that at the Hearst county seat at Pleasanton. The occasion was the marriage of Miss Apperson, a cousin of W. R. Hearst. The Misses Worn were given carte blanche regarding material to be used and the verdict of every one was that it was the largest and most artistic house decoration ever seen in this neighborhood.

Sievers & Boland have been extremely busy for the last two days. They have made almost all the designs for the funeral of I. Schwartz, the Gautemalan millionaire, who was buried here. This firm arranged a pall of orchids and ferns that was about the finest piece of work I have seen. G.

GREENFIELD, O.—Robert Buck, who within the past year has built up a successful florists' business here, was married recently to Mrs. Lizzie Ensworth, matron of the Soldiers' Orphans' Home, Xenia, O., where Mr. Buck was formerly employed.

AMERICAN BEAUTY, Per doz.

24-inch stem.....	\$2.50	
20-inch stem.....	2.00	
15-inch stem.....	1.50	
12-inch stem.....	1.00	
Short stem.....	\$4.00 to \$5.00 per 100	
		Per 100
Brides and Maids.....	\$3.00 to \$5.00	
Meteors and Gates.....	3.00 to 5.00	
Kaisers.....	3.00 to 8.00	
Carnations.....	1.50 to 2.00	
Auratum Lilies, per doz., \$1.25 to \$1.50		
Gladiol.....	2.00 to 3.00	
Tuberose. 50c to 75c per doz.		
Valley.....	4.00	
Asparagus, per string, 25 to 50c.		
Asparagus Sprengeri.....	3.00 to 6.00	
Ferns...per 1000, \$1.25	.15	
Galax, bronze, per 1000, \$1.50	.15	
green, 1.00	.15	
Adiantum.....	.50 to .75	
Smilax.....per doz., \$1.25	8.00	
Leucothoe sprays	.75	

Subject to change without notice.

**Grown Right
Cut Right
Packed Right
Shipped Right
Priced Right**

ALL RIGHT Winterson's CUT FLOWERS

**OUR
FALL AND WINTER
CATALOGUE
OF**

**Everything used by FLORISTS,
NURSERYMEN, GARDENERS,
SEEDSMEN,
Cemeteries, Parks, etc., etc.
NOW READY.**

**IT WILL BE WORTH YOUR WHILE
TO GET A COPY.**

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E. F. Winterson Co.
MODERN SUPPLY HOUSE,
45, 47, 49 Wabash Ave.
CHICAGO.

Mention Review when you write.

The Florists' Manual

NURSERY NEWS.

AMERICAN ASSOCIATION OF NURSERYMEN.

Pres., N. W. Hale, Knoxville, Tenn.; Vice-Pres. F. A. Weber, St. Louis; Sec'y, Geo. C. Seager, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-eighth annual convention will be held at Atlanta, Ga., June, 1904.

THE American elm, in sizes from 4-inch up, is a scarce article.

STOCKS of flowering shrubs are low in the East, because of large demand last spring and the poor growing season.

A CALL is out for a meeting of Illinois cemetery officials at Springfield, September 29, to form an association for mutual benefit.

WARREN H. MANNING, the Boston landscape architect, has been visiting Minneapolis, Milwaukee and other western points where he is doing work.

THE Hawks Nursery Co., of Rochester, N. Y., has filed articles of incorporation to do business in Wisconsin with \$5,000 capital. T. J. Ferguson, of Wauwatosa, is vice-president of the company.

THE Jonesboro, Ark., Nursery and Plantation Co. has filed articles of incorporation, capital stock \$2,500. J. W. Ligon is president, P. S. Hudspeth, vice-president, and C. M. Galeener, secretary and treasurer.

CHARLES J. DAWSON, of the Eastern Nurseries, Jamaica Plain, Mass., died quite suddenly September 15, aged 32 years. He was the son of Jackson Dawson, of Arnold Arboretum, and was very popular with the trade.

THE late Z. K. Jewett, of Sparta, Wis., was a charter member of the American Association of Nurserymen, Florists and Seedsmen, when all branches of the trade were in one society, and attended every meeting of the nurserymen's organization except in 1901 and 1903.

AT the recent New York State Fair at Syracuse Prof. F. A. Waugh, of Amherst, Mass., awarded first premium, \$300 for best and largest display of fruits to the New York State Fruit Growers' Association, although the Western New York Horticultural Society, winning second premium of \$200, had 2,300 plants in its exhibit.

SCALE ON CYCAS AND KENTIAS.

Kindly let me know the safest, quickest and most effective remedy for scale on cycas revoluta and Kentia Belmoreana. H. C. C.

The safest, quickest and most effectual remedy for scale on these plants is to sponge them carefully with a solution of whale-oil soap, or tobacco soap, and if the leaves are hard and thoroughly developed the solution may be quite strong, for example, two to three ounces of the soap to a gallon of water, but I would not use so strong a dose on a young kentia leaf. The cycas is subject to attacks of the large brown scale, and in that case a careful sponging would effect at least a temporary cure, but if the plant in question is badly affected with white scale it might be better to cut off the fronds than to attempt to clean them, for this pest would leave the foliage badly spotted after cleaning. W. H. TAPLIN.

My New Catalogue

has again been published and is to be obtained on application. Those who wish to have first-class plants at moderate prices should not fail to ask for it.

B. W. DIRKEN,
Nurseryman,
OUDENBOSCH, HOLLAND.

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American WHITE ELM

Nursery Grown Transplanted Trees.

Best Trees for Park and Boulevard.	Each
25,000 White Elm 2 to 3 in. diam.,	\$1.00
5 000 White Elm 3 to 4 "	1.50
1 000 White Elm 4 to 5 "	2.50
1 000 Hackberry 2 to 3 "	1.25
250 American Linden 2 to 3 "	1.25
50 European Mt. Ash 2 to 3 "	1.50
1,000 Hardy Catalpa Speciosa 4 to 6 ft. high,	10c
1,000 Russian Mulberry 5 to 7 "	10c
500 Russian Mulberry 8 to 10 "	25c

Thirty-one years' experience growing Nursery Stock in Minnesota. Send for Price List.

Address **CHAS. HAWKINSON,**
EXCELSIOR, MINN.
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Lithographing, Printing, Engraving,
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SEEDSMEN and NURSERYMEN
Sample Colored Plates free—Send for Catalogue
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For { Trees, Shrubs, Vines,
Your { and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.,
Morrisville, Pa.
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Peterson Nursery,

164 La Salle St., CHICAGO.
PEONIES
And HARDY ORNAMENTAL STOCK.
Write for illustrated price list.
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W. & T. SMITH COMPANY,

GENEVA, N. Y.

Wholesale **O**rnamental Trees, Shrubs,
Growers of **R**oses, Clematis, Fruit
Trees, and Small Fruits
in great variety.
Send for our Wholesale Price List.
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Hydrangea Otaksa

Field-Grown Plants.
Strong and Stocky.
\$8.00 per hundred.
FRED A. DANKER, Albany, N. Y.
Mention the Review when you write.

Seed Trade News.

AMERICAN SEED TRADE ASSOCIATION.

Pres., S. F. Willard, Wethersfield, Conn.; First Vice-Pres., J. Chas. McCullough, Cincinnati, O.; Sec'y and Treas., C. E. Kendel, Cleveland, O. The 23d annual meeting will be held at St. Louis, Mo., June, 1904.

VISITED ST. LOUIS: W. H. Crossland, of Northrup, King & Co., Minneapolis.

ROGERS BROS., Alpena, Mich., have ninety hands at work in their sorting room.

F. BARTELDES, Lawrence, Kan., will be in Chicago September 26 for the centennial celebration.

THE L. L. Olds Seed Co., Clinton, Wis., has been incorporated with \$50,000 authorized capital stock.

IF "time is money" the onion set grower who is waiting for the "thick necks" to bottom will probably get rich.

THE Haven Seed Co., South Haven, Mich., reports that hail, flooding rains and blights have caused very serious damage to the seed crops.

It is reported that the D. M. Ferry Seed Co., Detroit, took 151.36 bushels of American Wonder peas off of one four-acre tract at Charlevoix, Mich.

VISITED CHICAGO: George Tilton, of A. Tilton & Sons, Cleveland; J. G. Peppard, Kansas City, on his way to New York; J. C. Robinson, Waterloo, Neb.

THE freeze at Rocky Ford, Colo., which cut the melon crop there, is likely to add to the seed supply of that variety. Frosted melons do not stand shipping, but they may make seed.

A. RINGIER returned to Chicago this week from a trip to Colorado. He reports business west in a very healthy condition. W. W. Barnard is on an eastern trip for two weeks.

THE fine weather of the present week will add something to the bean crop. It will also help late varieties of sweet corn, and may change the situation on other seed staples which have not been promising of late.

RECENT reports from Utah point to a more liberal supply of alfalfa. The extremely high prices this seed commanded during last spring causes farmers to expect good figures this fall and indications are that they will get them.

It is very late, but in some places the harvest of onion sets is not yet completed. Up to the middle of the past week quite an acreage was still unharvested at Chicago. Unfavorable weather is responsible in part for the delay, but the variation in the ripening of the sets is the main reason for the lateness of the harvest.

ON September 20 the Western Seedsmen's Association issued its crop bulletin No. 2, which gives a general idea of the crop situation, and the association's judgment as to what seed values are likely to be the coming season. It puts sweet corn and cucumber prices high, and states that the deliveries on peas will probably fall ten per cent lower

Away BELOW Cost. CYCAS STEMS. Only 10 cases unsold—speak quick if you want one.
Price only \$4.00 per hundred lbs.
 Write or telegraph.
STUMPP & WALTER CO., 50 Barclay Street, New York City.

Mention the Review when you write.

than former estimate on earlies and from fifteen to twenty-five per cent lower on late varieties. In the general summing up the bulletin advises that dwarf peas, wax beans, late sweet corn, cucumbers and other vine seeds, should be advanced and prices held firm.

WORD was received at Chicago September 23 that the John H. Allen Company's plant at Sturgeon Bay, Wis., has been destroyed by fire. No particulars are at hand, but the loss, if total, may have considerable effect on the prices of peas, as quite a quantity of Alaskas and early wrinkled sorts had been taken in by them, and it is hardly likely that any large shipments had been made at this date.

THE cucumber situation has not improved. Present reports from Nebraska, New York and Michigan make things look worse. Fields that two weeks ago gave promise of fairly good yields are now in such shape as to be almost failures. The reports at hand cover nearly all the growing sections, and indicate that the crop generally will be as short as last year. With little or no surplus carried over, the proposition is serious.

FRANK T. EMERSON, Waterloo, Neb., writes September 18: "We beg to report having experienced a rather severe frost throughout the vine seed growing section of Nebraska the night of September 15. We were in hopes the frost would hold off until at least October 1, thereby allowing a great many small, undeveloped fruits on the vines to become matured for seed purposes, but the frost has checked all growth of small fruit and it looks to us as though the general crop will be much shorter than heretofore estimated, as in making estimates we have figured on the most favorable season possible. At the present moment our estimates are all out of line and it will be impossible to form anything like a correct idea until we complete another tour of inspection. The early varieties of seed field and sweet corn were practically out of danger from frost, but second early and late varieties were in a great many instances hard hit. We cannot say until time has demonstrated the matter how much these crops have been damaged. A great deal will depend upon the balance of the season. If we have a number of heavy frosts in the near future, quite a large percentage of the late varieties will be injured beyond redemption."

VALUES OF SEEDS.

The New York Commercial of September 16 says: "Judge Waite, of the Board of United States General Appraisers, gave a hearing today to representatives of the D. M. Ferry Seed Co., of Detroit, at which testimony was submitted purporting to show the values upon which duties should be estimated by the customs authorities. The Ferry Co. imports large quantities of seeds, and the collector at Detroit levied duties on

Burpee's Seeds Grow

SEEDS THE ALBERT DICKINSON CO.
 Timothy, Clovers, Flax, Hungarian, Millets, Red Top, Blue Grass, Lawn Grass, Orchard Grass, Pasture Mixtures, Bird Seeds, ENSILAGE CORN, POP CORN, BUCKWHEAT, BEANS, PEAS, ETC.
 COTTON GRAIN BAGS. CHICAGO ILL.

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 In St. Louis**

PAPER WHITE GRANDIFLORA.
 Selected Bulbs.....\$1.00 per 100; \$9.50 per 1000

.....IN STOCK NOW.....
 Freesia, Callas, Harrisii, Bermuda Longiflorum, Candidums, Roman Hyacinths, Dutch Hyacinths, Tulips, etc.

BULB CATALOGUE
 NOW READY FOR MAILING.

**PLANT SEED CO.
 ST. LOUIS.**

**LONGIFLORUMS,
 HARRISII,
 FREESIA, OXALIS,**

Now ready for delivery. **CALLAS.**

Annual Trade List of **BULBS** sent on application.

W. W. RAWSON & CO., Seedsmen
 12 and 13 Faneuil Hall Square, BOSTON.
 Mention the Review when you write.

the basis of the contract price on seeds shipped from France, though the market price dropped before the time of shipment. The questions at issue are of much interest to the seed-importing trade, and the outcome of the controversy is being watched by importers. Judge Waite took considerable testimony in the case last spring and, with the additional testimony supplied today, it is hoped a decision may be made soon. It is reported that the Ferry protest involves customs duties aggregating \$250,000."

BUCKLEY, ILL.—C. M. Hemala has just returned from an extensive European trip.

HOT SPRINGS, VA.—J. H. Small & Sons, of Washington, came here and put up a very fine decoration for the Gilpin-Fuller wedding, September 15.

LIMA, N. Y.—During a recent storm the wind blew off part of the wind mill at Keating Brothers' greenhouses, dropping it on the glass, with considerable breakage.

ESTABLISHED 1802.

**Thorburn's
 Bulbs**

Our Wholesale Catalogue of Bulbs and Flower Seeds for Florists now ready.

We have a large stock of extra fine strong bulbs of

Lilium Harrisii

Send for our prices before ordering elsewhere.

Dutch Hyacinths, Narcissus, etc.

Now Ready.

J. M. THORBURN & CO.
 36 Cortlandt St., NEW YORK.

Winter Flowering SWEET PEAS

Seed for forcing only.

ZVOLANEK'S CHRISTMAS—PINK.
FLORENCE DENZER—PURE WHITE.

Price—One pkt., 75c; 1 lb., \$2.50, mailed free. Not less than 75c worth will be sold. Sold only in my original packet, with directions.

Stock seed of this variety is carefully selected in my greenhouses from stems over 14 inches long. These two varieties, if sowed the first part of September, will bloom for Christmas. When planted in December, after latest mums, will bloom in February. Only small quantity left. First come, first served.

ANT. C. ZVOLANEK,
GRAND VIEW, N. J.
 Money Orders: Sommerville, N. J.

PANSY.

Superb mixed, unexcelled strain, 1/8-oz., 75 cts. oz., \$5.00.

CINERARIA.

Dwarf and tall, finest mixed, each 50 cts. and \$1.00 per packet.

FERNS.

Pieroni, doz., \$3.00; per 100, \$22.00. Bostonensis, doz., 60 cts.; per 100, \$4.00.

Splendid stock out of 2 1/2-inch pots.

W. C. BECKERT, - ALLEGHENY, PA.

SAMUEL S. PENNOCK,

Dahlias.

See Florists' Review of Sept. 10 and American Florist of this week.

We are open daily from 7:30 a. m. to 6 p. m.

Wholesale Florist,
1612 Ludlow St., PHILADELPHIA.

Pittsburg Cut Flower Co. Ltd.

ROSES, VALLEY, CARNATIONS. 504 Liberty Ave., Pittsburgh, Pa.

Mention Review when you write.

BOILER SCALE.

In the FLORISTS' REVIEW I see some one wants to know how to remove scale from a boiler, so I take pleasure in writing this note. My husband has for twenty-five years been used to locomotive and stationary boilers. He says if the boiler is small use half a pound of powdered slippery elm bark; if a large one use a pound. Wet the powder over night, stir it up in the morning, pour in the boiler. Run it a week or ten days, then blow it out and the boiler will be clean. He has often practiced this himself and never knew it to fail. No pounding or scraping is needed.

MRS. F. H. JOHNSON.

WANT ADVERTISEMENTS.

Advertisements under this head one cent a word, cash with order. Plant advertisements NOT admitted under this head.

Every subscriber is entitled to a free situation wanted or help wanted advertisement not exceeding 35 words in any one issue during the year. If the advertisement exceeds 35 words, send at the rate of one cent for each additional word.

When answers are to be addressed in our care, add 10 cents for forwarding.

SITUATION WANTED—As working foreman, by a first-class grower of cut flowers and general stock; roses a specialty. Address 179, care Florists' Review, Chicago.

WANTED—Experienced grower of general greenhouse plants; must come well recommended; steady position; applicant must furnish satisfactory reference. The Livingston Seed Co., Columbus, Ohio.

WANTED—Good young florist for forcing valley. H. N. Bruns, 1409 Madison St., Chicago.

WANTED—A second-hand steam boiler; must be cheap; best offer taken. Andrew J. Haley, Union City, Ind.

WANTED—Catalogues and price lists concerning the trade in general. Simon Brouwer, Athens, Ohio.

WANTED—Sober, reliable man for general work, with some experience in potting, tying, etc., to work under foreman. Mrs. C. F. Gibbs, St. Johnsbury, Vt.

SITUATION WANTED—By a young florist, 29 years old, on October 15 or later; 14 years' experience in Europe and in this country; Chicago or Detroit preferred; best of references. Address No. 176, care Florists' Review, Chicago.

SITUATION WANTED—In a first-class place by a temperate young man; six years' experience; good design and bouquet maker; also a first-class clerk; New York or New England preferred. Address No. 174, care Florists' Review, Chicago.

FOR RENT—Part of large corner store with fixtures for florist business; room is steam heated and choice location for first-class retail florist; rent very reasonable. Apply 5501 Indiana Ave., corner Garfield Blvd., Chicago.

FOR SALE—50 boxes new glass, 16x18 D. S. B., at \$3.40 per box. Also 100 feet of 1 1/4-inch new black pipe at 7c per foot. Davis Bros., Morrison, Ill.

SITUATION WANTED—By middle aged man of long experience. Good grower of roses, carnations, violets, mums and miscellaneous stock; capable of taking charge wholesale or retail place; reliable and energetic; no family. Address Florist, 137 Harrison Ave., Boston, Mass.

WANTED—Working foreman; carnation specialist; Eastern New York. Address, with references and particulars, No. 178, care Florists' Review, Chicago.

WANTED—Young lady who understands florist business to take charge of established retail store on South Side; fine opportunity for bright girl. Apply at 16 E. 43rd St., Chicago, Ill.

WANTED—Two single men for roses and carnations. Pittsburg Rose & Carnation Co., Crystal Farm, Gibsonia P. O., Pa.

WANTED—Florists' Review, Nos. 215, 227, 163, and 184; look through your back numbers. Quote prices to L. H. Wise, Montague, Mich.

WANTED—Florist, competent to take charge 6000 feet glass; grow cut flowers and general stock; state wages with references, etc. J. C. Steinhäuser, Pittsburg, Kansas.

FOR SALE—Cheap for cash, second-hand 4-in. cast iron pipe and fittings. Good condition. Address Cole Bros., Box 577, Peoria, Ill.

FOR SALE—Cast iron boiler for 2500 ft. of glass, \$50.00 cash. Dann & Son, Westfield, N. Y.

FOR SALE—Ballard's greenhouse, Perry, Iowa; cause, poor health. Wm. Ballard, Perry, Ia.

FOR SALE—Some extra good second-hand 3-inch pipe, guaranteed sound, at 6c per foot; also some 4 inch. W. H. Salter, Rochester, N. Y.

WANTED—Florist, good steady single man, as assistant in commercial place; German preferred. Address, with references, Jos. F. Klimmer, Desplaines ave. and Harrison st., Oak Park, Ill.

FOR SALE—Greenhouse property—12,000 feet of glass, 2 acres of good land centrally located in a live city of 15,000; 8-room dwelling, new, everything heated and lighted by natural gas; all stock in fine shape and business established 30 years; will bear the closest investigation; price \$7,000. Address No. 172, Florists' Review, Chicago.

FOR SALE—Wholesale florist's ice box, almost new, filled with granulated rock, lined with galvanized sheet iron; 8 feet wide, 5 feet deep, 3 feet high, in sections: \$90.00 f. o. b. Pittsburg. Fred Burki, Bellevue, Allegheny, Pa.

WANTED—At once, a reliable, all-round man for commercial place; single and German preferred; reference required. Boehringer Bros., 325 Park Avenue, Bay City, Mich.

FOR SALE OR RENT—Eight greenhouses, two 12x20, one 13x24, two 6x24, one 50x12, and two 6x12. All heated by steam; hot-air pump and windmill; also 9 room dwelling, heated by steam from greenhouses, with hot and cold water; several acres of ground. Apply to William Yeager, 68 East Main St., Norristown, Pa.

FOR SALE—Stock of carnations, mums, etc., in good condition, together with lease or sale of 4 greenhouses; also store that sells more than place grows. Address No. 171, Florists' Review, Chicago.

WANTED—A night fireman on steam boilers; wages \$12 a week. Morton Grove Greenhouses, Morton Grove, Ill.

FOR SALE—Well-established wholesale and retail bulb and plant business. Ten acres of ground; 5 acres in cultivation. Two greenhouses, 2,000 square feet. Large warehouse, 35x45; large barns, all newly built; eight-room dwelling and other out-houses. Some very useful stock. Eleven miles from New York City. A grand opportunity. Address No. 167, care Florists' Review.

For Sale. Wilks Hot Water Boiler, No. 24, in good condition. Price \$45.00 cash. W. T. STEPHENS & CO., Brookfield, Mo.

FOR SALE—New greenhouse material as follows: New 2-in. black pipe, long lengths, 10 cts. per ft.; 6x8, 50 ft. boxes, American glass, single, \$2.25 per box; 6x8, 50 ft. boxes, American, double, \$2.70 box; 6x8, 100 ft. boxes, French, single, \$4.00 box; 8x10 single French glass, \$4.50 per 100 ft. box; 12x14, 16x18, 14x14, 50 ft. boxes, American glass, double, \$3.60 box; 12x12, 10x14, 50 ft. boxes, American glass, single, \$3.40 box. Clear gulf cypress greenhouse material, and everything for building. Send for prices. S. Jacobs & Sons, 1365 to 1375 Flushing Ave., Brooklyn, N. Y.

Situation Wanted.

A first-class decorator and cut flower worker, experienced in handling the best class of trade, wants position; west preferred. Now employed in one of the leading stores of the east. Best of references.

Address No. 175,
Care Florists' Review, Chicago, Ill.

A Great Nurseryman in Holland

Wishing to extend business in America, asks an active person acquainted with the trade to sell his goods (especially **WEeping, ORNAMENTAL AND FOREST TREES, SHRUBS AND CONIFERS, ETC.**) under personal responsibility.

Send solicitations with references to
No. 169, care Florists' Review,
Chicago.

WANTED. CARNATION FOREMAN

Must be an expert grower and competent to handle ten or a dozen men. If married, a new six room house provided. This is a permanent position with an up-to-date reliable firm within fifty miles of Chicago. State wages and full particulars.

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For Sale at Auction

Long established florist business; finest trade and doing well; large seed trade also. About six acres of land in heart of city of 30,000 population; upwards of 40,000 ft. glass; well stocked; steam heat. Office on main street on line of trolley cars; two apartments; two tenant houses; barns, horses, wagons, thousands of pots, all necessary tools and implements.

A live plant, completely equipped. Will be sold as it stands, upon the premises No. 382 Broadway, Newburgh, Orange county, N. Y., on Friday, October 2, 1903, at 12 o'clock noon, to settle an estate. For particulars, inquire of

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64 Second St., Newburgh, N. Y.

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Are you sowing this strain? If not, what is the reason? Don't you want something better than you have been using to **INCREASE YOUR PANSY SALES?** AN **INTRODUCTORY ORDER** (1000 seeds), for 30c, will convince you of its superior merits and put you in possession of the **RICHEST STRAIN OF GIANT PANSIES** now offered to the trade.

1000 seeds, 30c 2000 seeds, 50c 5000 seeds, \$1.00 Per ounce, \$5.00

NEW CROP BURBANK'S SHASTA DAISY, carefully grown for the florists' trade. per 100 seeds, 20c; per 1000, \$1.25; per 5000 seeds, \$5.00.

Now Ready. **FRENCH AND DUTCH BULBS** for Fall Planting. Our **NEW BULB LIST** is ready. Send for it.

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Growers of **CUT FLOWERS** at Wholesale.

Regular shipping orders given special attention. We have the largest plant west of Chicago.

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QUEENS, - L. I., N. Y.

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Wholesale Florists...

CLEVELAND, - OHIO.

Zirngiebel GIANT PANSIES

Huge Jewels of Velvet and Gold. (Boston Transcript)

The finest strains in cultivation, either here or abroad. Trade packet at \$1.00 each. Also plants for sale at \$5.00 per 1000.

DENYS ZIRNGIEBEL, Needham, Mass.

Mention the Review when you write.

Wholesale Cut Flower Prices.

Philadelphia, Sept. 23.

	Per doz.	Per 100
Beauties, Specials.....	\$ 2.00 to \$ 4.00	
Extra.....	1.25 to 1.50	
No. 1.....	.75 to 1.00	
Queen of Edgely, Specials.....	2.00 to 4.00	
Seconds.....	1.50	
Thirds.....	.75 to 1.00	
Brides Specials.....	4.00 to 6.00	
No. 2.....	2.00 to 3.00	
Bridesmaids, No. 2.....	2.00 to 3.00	
Specials.....	4.00 to 6.00	
Kaiserin, Firsts.....	5.00 to 8.00	
Seconds.....	3.00 to 4.00	
Liberty, Firsts.....	5.00 to 8.00	
Seconds.....	3.00 to 4.00	
Ideal.....	4.00 to 6.00	
Perle.....	2.00 to 4.00	
Sunrise.....	2.00 to 4.00	
Carnations, Commons.....	1.00 to 1.50	
Fancy.....	2.00 to 2.50	
Enchantress.....	1.00	
Lilies, Harrisii.....	12.50 to 18.00	
Violets, Single.....	.20 to .50	
Adiantum Cuneatum.....	1.00	
Lily of the Valley.....	2.00 to 4.00	
Gladioli.....	1.00 to 2.00	
Asters.....	.75 to 1.50	
Dahlias.....	.75 to 1.50	
Fancy.....	3.00 to 5.00	
Daisies, Yellow.....	1.00 to 1.50	
Smilax.....	10.00 to 15.00	
Asparagus, Strings.....	35.00 to 50.00	

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128 W. 6th Street, MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

WILD SMILAX—Flowers billed at market prices.

Shippers of Choice Cut Flowers and Greens of all kinds. Try us.

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WHOLESALE FLORISTS.

MILWAUKEE, - WIS.

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Eugene Bernhelmer

WHOLESALE FLORIST.

Beauties, Brides, Maids and Carnations.

11 South 16th Street,

PHILADELPHIA, PA.

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WILLIAM J. BAKER, WHOLESALE FLORIST,

Dahlias! Valley!

YELLOW DAISIES.

1432 South Penn Square, Philadelphia.

Mention the Review when you write.

C. A. DUNN & CO.

Wholesale Florists,

1516 Sansome St., PHILADELPHIA.

Roses, Carnations and Asters.

Bell and Keystone Telephones.

Consignments of Choice Stock Solicited.

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FOR SOUTHERN WILD SMILAX

(Where Quality is First Consideration.)

Write, Wire or Phone the introducers.

Caldwell The Woodsman Co., Evergreen, Ala. or their agents: L. J. Kreshover, New York; J. B. Deamud, Chicago; H. Bayersdorfer & Co., Philadelphia; W. F. Kasting, Buffalo; J. M. McCullough's Sons, Cincinnati, Ohio; H. G. Ber-ning, St. Louis, Mo.

Mention the Review when you write.

Peacock'sDahlias

For plants, bulbs or cut blooms. Address

W. P. PEACOCK,

Dahlia Specialist. ATCO, N. J.

Mention the Review when you write.

Smilax Seedlings,

50c per 100.

SAMUEL S. PENNOCK,

1612-18 Ludlow St., Philadelphia.

Mention The Review when you write.

Pandanus Veitchii

JOHN WELSH YOUNG, GERMANTOWN, Upsal Station, Penna. R. R.

Strong, clean plants, cool-grown, 6-in. pots, \$1.00 each; \$12.00 doz. 7-in., \$1.50 each; \$18.00 doz. 8-in., \$2.50 each. Also 9 and 10-inch.

Philadelphia.

Charles Millang, New York

We are headquarters
for every kind of Cut
Flowers in their season.

"THE LILY KING."

Reasonable Prices.
Square Dealing.
Out-of-town florists promptly attended
to. Telephone for what you want.
Tel. 2230 Madison Square.

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SHIPPING ON COMMISSION.
Tel. 2034 and 2239 Madison Square.

Established 1891.
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Teleph. 789
Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND.
ORCHIDS A SPECIALTY.
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WHOLESALE COMMISSION,

The largest commission house in America for
Roses, Violets and all other varieties of Cut Flowers. **57 W. 28th Street, NEW YORK.**

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Special arrangements this season for the extensive handling of American Beauties.

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We ship all over the United States. Consignments realize with
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39 West 28th St., NEW YORK.
(Established 1883)
Receiving Extra Quality American Beauties
and all other varieties of Roses.
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OPEN ALL DAY!
AN UNEQUALLED OUTLET FOR CONIGNED FLOWERS.
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The finest stock in the market always on hand.
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Telephone 2239 Madison Sq.
VIOLETS and SWAINSONA our specialties.
Shipping orders receive prompt attention.
Always mention the Florists' Review when
writing advertisers.

Wholesale Cut Flower Prices.

New York, Sept. 23.

	Per 100
Beauties, Specials	\$10.00 to \$20.00
" Extra	5.00 to 10.00
" No. 1	4.00 to 5.00
" Shorts	1.00 to 3.00
Brides and Maids, Specials	4.00 to 6.00
" Extra	2.00 to 4.00
" No. 1	1.00 to 2.00
" No. 2 .....	.50 to 1.00
Kaiserin	1.00 to 6.00
Liberty	2.00 to 6.00
Meteor	1.00 to 4.00
Queen of Edgely	5.00 to 20.00
Cattleyas	50.00 to 75.00
Carnations, Common .....	.50 to 1.00
" Selects	1.00 to 2.00
" Fancies	2.50 to 8.00
Adiantum cuneatum .....	.25 to .50
" Croweatum .....	.50 to .75
Asparagus plumosus, Strings	35.00 to 50.00
Asters, Selects	1.00 to 3.00
" Common .....	.20 to .50
Dahlias .....	.25 to 1.00
Lilium Harrisii	5.00 to 8.00
Lily of the Valley	2.00 to 3.00
Mignonette, Ordinary .....	.50 to 1.00
Smilax	5.00 to 8.00
Tuberose .....	.50 to 1.00
Violets, Ordinary .....	.25 to .50

With seasonable weather business improved
somewhat on Monday, and prices are steady,
with an upward tendency. The long period of
depression seems to have reached its limit, and
the usual progress toward normal conditions has
begun.

GEO. SALTFOORD,
Author of "HOW TO MAKE MONEY GROWING VIOLETS."
WHOLESALE FLORIST,
46 West 29th Street, NEW YORK CITY.
Telephone No. 3393 Madison Sq.
CONSIGNMENTS OF ALL FIRST-CLASS FLOWERS SOLICITED.
VIOLETS our specialty.

GALAX. Bronze or Green,
75c per 1000 in 2000
lots or more.
Leucothoe Sprays, Green, 90c per 100.
Southern Smil-x, fresh stock, per 10-lb. case,
\$6.00; per 25-lb. case, \$3.50.
Green Sheet Moss, choice stock, \$2.50 per
barrel sack.
Sphagnum Moss, \$1.75 per large bale.

Florists' Supplies of every
description.

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West 27th St. New York.
TEL. 597 MADISON SQUARE.
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Tel. 1903 Madison Sq.

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LABIATA
and all other choice
Orchids in season.
Everything in Cut Flowers—the best in the market
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New York

Send for Quotations
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Strictly Wholesale, 34 W. 29th Street,
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The New York Cut Flower Co.
55 and 57 West 26th Street,
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Daily Reports. Weekly Payments.
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Wholesale Commission Florist,
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Telephone 939 Main.
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AMERICAN BEAUTY, BRIDESMAID, BRIDE, LIBERTY, METEOR,
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TOP GRADE FOR SHIPPING

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MICHIGAN CUT FLOWER EXCHANGE.
WHOLESALE FLORISTS AND CUT FLOWER COMMISSION.
Full line of FLORISTS' SUPPLIES and SUNDRIES.

WM. DILGER,
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COMMON FERNS, \$1.00 per 1000.
GALAX, Bronze or Green, 1.25

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Wholesale Florist.
Special conveniences for both Wholesale
sellers and Retailers this season. None bet-
ter in the country.
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Telephone 1738 Madison.
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ESTABLISHED 1872.
John J. Perkins
WHOLESALE and COMMISSION FLORIST,
115 West 30th St., NEW YORK.
Telephone No. 956 Madison Sq.
WANTED a few more reliable growers of
Carnations and Violets. Only first-class stock
handled.
BRANCH STORE, 48 West 30th St.,
New York. R. W. PERKINS, Manager.
Consignments Solicited. Quick returns to Ship-
pers. Highest Market Prices Guaranteed.
Mention the Review when you write.

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45 West 29th St., NEW YORK
Tel. No. 1214 Madison Sq.
and
53 W. 28th St.
(Basement)
Tel. 1797 Madison Sq.
Stands at Cut
Flower Exchange
Coogan Bldg. W.
26th St., and 34th Street Cut Flower Market.
SPECIALTIES
GALAX LEAVES, FERNS and
LEUCOTHOE SPRAYS.
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The Florists' Manual
Is a book
that you
need in
your
business.
If you haven't a copy already,
order one now.

Wholesale Cut Flower Prices.

Detroit, Sept. 23.

	Per 100
Beauties, Specials.....	\$25.00
Extra.....	20.00
No. 1.....	15.00
Shorts.....	5.00 to 10.00
Brides and Maids, Specials.....	6.00
Extra.....	5.00
No. 1.....	4.00
No. 2.....	3.00
Cusin.....	8.00 to 5.00
Kaiserin.....	3.00 to 6.00
Meteors.....	3.00 to 6.00
Mrs. Morgan.....	3.00 to 5.00
Perle.....	3.00 to 5.00
Cattleyas.....	50.00
Cypripediums.....	25.00
Carnations, Common.....	1.00
Fancies.....	2.00
Adiantum Cuneatum.....	1.00
Asparagus plumosus, Strings.....	40.00 to 50.00
Sprengerl, Sprays.....	2.00 to 4.00
Asters.....	.50 to 2.00
Gladioli.....	2.00 to 8.00
Lilium Harrisli.....	10.00 to 12.00
Lily of the Valley.....	3.00 to 4.00
Mignonette.....	2.00
Smilax.....	12.50 to 15.00
Galax.....	.15
Common Ferns.....	.10

Boston, Sept. 23.

	Per 100
Beauties, Specials.....	\$25.00
Extra.....	\$11.00 to 20.00
No. 1.....	8.00 to 10.00
Shorts.....	2.00 to 6.00
Brides and Bridesmaids, Specials ..	6.00 to 8.00
Extra.....	3.00 to 4.00
No. 1.....	2.00
No. 2.....	.50 to 1.00
Carnot.....	2.00 to 8.00
Kaiserin.....	2.00 to 8.00
Liberty.....	1.00 to 8.00
Meteor.....	1.00 to 6.00
Carnations, Common.....	2.00
Selects.....	3.00
Fair Maid.....	5.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, Strings.....	50.00
Sprays.....	1.00 to 2.00
Sprengerl, Sprays.....	1.00 to 4.00
Asters.....	.25 to 1.00
Longiflorum.....	10.00
Lily of the Valley.....	2.00 to 4.00
Mignonette, Ordinary.....	1.00
Smilax.....	12.00
Tuberose.....	3.00
Galax.....	.15
Common Ferns.....	.10

ADAMS, MASS.—A. J. Boothman is busy building an addition to his plant, a house 18x75. Lord & Burnham furnish the material and the heating is done by a Furman boiler. The street car company is building a line by his place and Mr. Boothman is in hopes to increase his business.

FRANK H. TRAENDLY. CHARLES SCHENCK.
TRAENDLY & SCHENCK,
Wholesale Florists
AND CUT FLOWER EXCHANGE
38 W. 28th St., NEW YORK
Telephones 798 and 799 Madison Square. CONSIGNMENTS
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Wholesale Florists and
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108 Livingston Street, BROOKLYN, N. Y.
Tel. 3660-3661 Main.

We are head- **HARDY CUT FERNS!**
quarters for
Fancy or Dagger, 50c per 1000. Contracts
made to supply the year around. Use our
Laurel Festooning. It's the best decorative
material to be found, we make it fresh daily 4c,
5c and 6c per yd. Bargains in Galax, A No. 1
quality, Bronze or Green, 75c per 1000 in
10,000 lots. Mosses, &c.
Send us your wants and
be well satisfied.


CROWN FERN CO.
MILLINGTON, MASS.
Tel. Office, New Salem.
Long distance telephone connections.

FIELD-GROWN CARNATIONS.

200 Roosevelt.....	per 100, \$7.00
400 Joost.....	" 7.00
300 Dorothy.....	" 7.00
400 Glacier.....	" 7.00
200 Alba.....	" 7.00
100 Norway.....	" 7.00
100 Crocker.....	" 7.00

ROSE PLANTS.

200 4-inch American Beauties.....	\$10.00 per 100
300 4-inch Meteors.....	7.00 per 100
50 4-inch Bridesmaids.....	7.00 per 100
200 2 1/2-inch Baldwins.....	4.00 per 100
Boston Ferns—7-inch, \$1.00 each; 8-inch, \$1.25 each; 9-inch, \$1.50 each.	

CASH OR C. O. D.

W. J. & M. S. VESEY, Ft. Wayne, Ind.
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National Florists' Board of Trade.

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PROMPT COLLECTIONS
AND PROMPT RETURNS.

Full information concerning all claims entrusted to us. Plenty of time to attend carefully to your interests.
Satisfaction guaranteed. No delays. No neglect. No waiting. NEW OFFICES, 56 PINE STREET, NEW YORK CITY.
Telephone 4673 John Street. Rooms 601, 602, 603.
HARRIS H. HAYDEN, Pres. WM. A. MOORE, Vice-Pres. JNO. E. WALKER, Sec. and Treas.
Mention Review when you write.

Wholesale Cut Flower Prices.

Chicago, Sept. 23.

	Per doz.
Beauties, 24-inch stems.....	\$2.50
" 20 ".....	2.00
" 15 ".....	1.50
" 12 ".....	1.00
" Shorts.....	.75
Per 100.	
Bridesmaids, Specials.....	\$4.00 to \$6.00
" Firsts.....	2.00 to 3.00
" Seconds.....	1.00
Brides, Specials.....	4.00 to 6.00
" Firsts.....	2.00 to 3.00
" Seconds.....	1.00
Kaiserin.....	4.00 to 8.00
Liberty, Specials.....	8.00 to 10.00
" Firsts.....	6.00 to 8.00
" Seconds.....	3.00 to 5.00
Golden Gate, Firsts.....	4.00 to 6.00
" Seconds.....	2.00 to 3.00
Meteor, Firsts.....	4.00 to 6.00
" Seconds.....	2.00 to 3.00
Mme. Chateaufort, Firsts.....	6.00 to 8.00
" Seconds.....	3.00 to 5.00
Carnot, Firsts.....	6.00 to 8.00
" Seconds.....	3.00 to 4.00
Ivory, Firsts.....	4.00 to 6.00
" Seconds.....	2.00 to 3.00
Perles, Firsts.....	4.00 to 5.00
" Seconds.....	2.00 to 3.00
Carnations, Fancy.....	1.50 to 2.00
" Commons.....	1.00
Gladioli.....	2.00 to 5.00
Dahlias.....	1.00 to 4.00
Auratum Lilies.....	\$1.00 to \$1.50 doz
Valley.....	4.00
Tuberose.....	4.00 to 6.00
Adiantum cuneatum.....	.75 to 1.00
Asparagus plumosus, Strings.....	25.00 to 50.00
" Sprays.....	2.00 to 3.00
Asparagus Sprengeri, Sprays.....	3.00 to 6.00
Smilax.....	\$1.25 to \$1.50 per doz.
Common ferns, per 1000.....	\$1.50
Galax Leaves, \$1.00 to \$1.50 per 1000	

Pittsburg, Sept. 23.

	Per 100
Beauties, Specials.....	\$25.00 to \$30.00
" Extra.....	15.00 to 20.00
" No. 1.....	8.00 to 12.00
" Shorts.....	2.00 to 4.00
Brides and Maids, Specials.....	6.00
" Extra.....	4.00
" No. 1.....	1.00 to 2.00
Carnot.....	2.00 to 4.00
Cusin.....	2.00 to 4.00
Kaiserin.....	2.00 to 8.00
Liberty.....	2.00 to 6.00
Carnations, Commons.....	.50 to .75
" Selects.....	.75 to 1.00
" Fancy.....	1.50 to 2.00
Adiantum Cuneatum.....	1.00
Asparagus plumosus, Strings.....	30.00 to 50.00
" Sprays.....	2.00 to 3.00
" Sprengeri, Sprays.....	2.00 to 3.00
Asters.....	.75 to 2.00
Chrysanthemums, ordinary.....	8.00 to 15.00
" fancy.....	20.00
Dahlias.....	.50 to 2.00
Gladiolus.....	2.00 to 4.00
Lily of the Valley.....	3.00 to 4.00
Smilax.....	12.50 to 15.00
Leucothe.....	1.00
Common Ferns.....	.20

Baltimore, Sept. 23.

	Per 100
Beauties.....	\$4.00 to \$8.00
Brides and Maids.....	3.00 to 4.00
Golden Gate.....	3.00 to 5.00
Meteors.....	4.00 to 5.00
Perle.....	2.00 to 3.00
Cochet.....	2.00 to 3.00
Carnations, Commons.....	.50 to .75
" Selects.....	.75 to 1.00
Asparagus plumosus, Sprays.....	1.50 to 2.00
" Sprengeri, Sprays.....	1.50 to 2.00
Asters.....	.75 to 1.50
Gladiolus.....	3.00 to 4.00

The mercury has been in the neighborhood of 40 degrees for three successive nights, slight frosts, and outdoor stock does not develop. Trade is beginning to move and prices are hardening. Good stock is scarce, but ordinary material is in abundant supply.

ALBERT M. HERR

LANCASTER, PA.

Carnations, Geraniums,
Smilax, Asparagus.

Correspondence Solicited.

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THE "OLD RELIABLE" FOR

**Wholesale
Cut Flowers**

Hunt's Flowers Go Everywhere.

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Greenhouses at Hinsdale, Ill.

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A. L. RANDALL,
Wholesale FloristDon't forget we are at
19 and 21 RANDOLPH ST., CHICAGO.

Write for special quotations on large orders.

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37-39 Randolph Street CHICAGO.

Roses and
Carnations
A Specialty.....WHOLESALE
GROWER OF**CUT FLOWERS****WIETOR BROS.**Wholesale
Growers of.. **Cut Flowers**All telegraph and telephone orders
given prompt attention.

51 Wabash Avenue, CHICAGO.

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WEILAND-AND-RISCHCHICAGO'S RELIABLE WHOLESALE
GROWERS AND SHIPPERS OF...

CUT FLOWERS,

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SEND FOR WEEKLY PRICE LIST.

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Cut Flowers.Wholesale
Growers of
and Dealers inAll telegraph and telephone orders given prompt
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F. F. BENTHEY, Manager. Wholesale and
Consignments Solicited. Commission**FLORISTS**

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PETER REINBERG,

Grower and Wholesaler of Cut Flowers

800,000 SQUARE FEET OF GLASS.
Headquarters for American Beauty.

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JOHN MUNO,WHOLESALE
GROWER OF Cut Flowers,

51 Wabash Avenue, - - CHICAGO.

GREENHOUSE, ROGERS PARK, ILL.
Telephone Central 3588.**SINNER BROS.**Wholesale Growers
and Shippers of **CUT FLOWERS**

58-60 WABASH AVE., CHICAGO, ILL.

With the Flower Telephone—
Growers' Co. Central 3087.
All telephone and telegraph orders
given prompt attention.

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FRANK GARLAND,Wholesale
Grower of Cut Flowers.Special attention
given to Hardy Cut **FERNS.**

55-57 Wabash Avenue, CHICAGO, ILL.

Telephone Central 3281.

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WHOLESALE DEALER IN AND **CUT FLOWERS**

.....GROWER OF

Two daily shipments from my greenhouses.

Fresh Stock always ready for orders.

Write, wire or phone. Quick Service Given.

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Lily of the Valley**H. N. BRUNS,**

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Lily of the Valley

of good quality always on hand.

AUGUST JURGENS,

134 to 144 Herndon St., CHICAGO.

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The Philadelphia Wholesale Flower Market.

Consignments of Double and Single Violets solicited.
We need them and will make weekly returns.

The finest BEAUTIES
in Philadelphia.
LIBERTIES and all other
Choice Stock.

OPEN FROM 7:00 A. M. TO 6:00 P. M.

1228 CHERRY STREET, PHILADELPHIA.

Wholesale Cut Flower Prices.

Cincinnati, Sept. 23.

	Per 100
Beauties, Extra.....	\$20.00 to \$25.00
No. 1.....	10.00 to 15.00
Shorts.....	4.00 to 5.00
Brides and Maids, No. 1.....	4.00 to 5.00
No. 2.....	2.00 to 3.00
Golden Gates.....	2.00 to 5.00
Kaiserin.....	2.00 to 5.00
Liberty.....	2.00 to 5.00
Meteor.....	2.00 to 5.00
Perle.....	2.00 to 4.00
Carnations, Commons.....	.75 to 1.00
Selects.....	1.00 to 1.50
Fancies.....	2.00 to 2.50
Adiantum Cuneatum.....	.75 to 1.00
Asparagus plumosus, Strings.....	35.00 to 50.00
Sprenger, Sprays.....	2.00 to 4.00
Asters.....	.50 to 2.00
Dahlias.....	2.00 to 3.00
Gladiolus.....	2.00 to 3.00
Lily of the Valley.....	2.00 to 4.00
Smilax.....	12.50 to 15.00
Tuberose.....	2.00 to 3.00
Galax.....	.15
Common Ferns.....	.15

Buffalo, Sept. 23.

	Per 100
Beauties, Specials.....	\$20.00 to \$25.00
Extra.....	10.00 to 15.00
No. 1.....	5.00 to 8.00
Shorts.....	1.00 to 3.00
Brides and Maids, Extra.....	4.00 to 5.00
No. 1.....	1.00 to 2.00
No. 2.....	2.00 to 3.00
Carnot.....	2.00 to 5.00
Cusin.....	1.00 to 4.00
Golden Gate.....	1.00 to 5.00
Kaiserin.....	2.00 to 5.00
Liberty.....	2.00 to 5.00
Mme. C. Testout.....	1.00 to 4.00
Meteor.....	1.00 to 5.00
Mrs. Morgan.....	1.00 to 5.00
Perle.....	2.00 to 5.00
Sunrise.....	1.00 to 3.00
Carnations, Common, all colors.....	.75 to 1.00
Selects.....	1.50 to 2.50
Fancies.....	3.00 to 3.50
Adiantum Cuneatum.....	.50 to 1.00
Farleyense.....	8.00 to 10.00
Asparagus plumosus, Strings.....	40.00 to 50.00
Sprays.....	1.00 to 2.00
Sprenger,.....	1.00 to 1.50
Asters.....	.50 to 1.50
Chrysanthemums, Ordinary.....	8.00 to 10.00
Gladiolus.....	1.00 to 2.50
Lilium Speciosum.....	2.00 to 5.00
Harriell.....	15.00
Lily of the Valley.....	2.00 to 4.00
Smilax.....	12.50 to 15.00
Violets, ordinary.....	.30 to .60
Galax.....	.10 to .15
Leucothoe.....	.50 to .75
Common Ferns.....	.10 to .15

GRAND RAPIDS, MICH.—Henry Smith was the principal prize winner in the floral section at the fair last week. The new range of greenhouses to replace the ones destroyed by fire last spring are nearly completed and the place is in first-class shape.


The Anna Foster Fern.

Ready-Cut from bench for 6-in. at \$35 per 100. Beautiful plants. Pot plants 50c. 75c. \$1. \$2. \$3. \$4 and \$5 each. Boston Fern—Large plants cut from bench, at \$50 per 100. Kentia Palms—From 50c to \$3 each. Asparagus Plu. Nanus—3-in. \$3 per 100. Asparagus Sprenger—2½-in. \$3 per 100. L. H. FOSTER, 45 King St., Dorchester, Mass.

Mention Review when you write.

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Cut Flowers and Florists' Supplies.
Manufacturers of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.
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Mention the Review when you write.



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WHOLESALE FLORIST,
1402 Pine Street,
ST. LOUIS, MO.
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Wm. Murphy,

Grower and Commission Dealer in.....

Cut Flowers and Florists' Supplies,
Telephone Main 980.
130 E. 3d Street, CINCINNATI, OHIO.
Mention the Review when you write.

J. M. McCULLOUGH'S SONS, Seedsmen and Wholesale Florists.

Consignments solicited. Special attention given to shipping orders.
316 Walnut Street, CINCINNATI, OHIO.
Mention the Review when you write.

ARDISIAS, fine, healthy, strong plants, 5 and 6-inch, \$50.00 per 100.
A. SPRENGERI, strong plants, 3-in., \$4.00; 4-in., \$8.00; 5-in., \$15.00; 6 in., \$20.00 per 100.
A. PLUMOSUS, strong plants, 3-in., \$10.00 a 100.
POINSETTIAS, strong plants, 2½-in., \$5.00; 3-in., \$7.50; 4-in., \$9.00 per 100.
UMBRELLA PLANTS, strong plants, 4-in., \$7.00; 5-in., \$10.00 per 100.
BOSTON FERNS, fine, strong plants, 3-in., \$10.00; 4-in., \$20.00; 6-in., pans, \$10.00 per 100. 8-in. pans, \$1.00 each; 10-in. pans, \$1.25 each.
CHRYSTANTHEMUMS, strong, bushy plants, 6-in. pots, \$15.00 per 100.
STEVIAS, strong, bushy plants, 6-inch pots, \$12.50 per 100.
VINCA Variegata, strong plants, 4-inch, \$12.50 per 100; 6-in., \$20.00 per 100.
Surplus stock -- We must have room.

Bentzen Floral Co.

4025 Marcus Ave. ST. LOUIS, MO.
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CINERARIAS — **DWARF**, large flowering, Strong, 2¼ inch.....\$2.00 per 100; 3¼ for \$5.00
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Beauties, Specials.....	\$2.50 to \$3.00
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No. 1.....	.75 to 1.00
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All grades and kinds of

...ROSES...

cheap, medium or high-grade

Carefully packed and promptly shipped to all points. New customers that commence now will get best service when roses are scarce.

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(CONTINUED.)

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OFFERS ALL THE TIME IN THE
REVIEW'S CLASSIFIED ADS.*****

HUGH GRAHAM

104 So. 13th Street, Philadelphia.

I am in a position to handle any orders for Philadelphia or vicinity, either large or small; would be pleased to have correspondence with the trade in general.
Our facilities for handling orders, either for flowers or plants, are of the very best.

U. J. VIRGIN,
838
nal Street,
NEW ORLEANS, LA.

S. B. Stewart,
No. 119 16th Street, **OMAHA, NEB.**

RANDOM NOTES.

BINGHAMTON, N. Y.—J. G. Tully is around after a long siege of illness following a strained leg, which happened just at the busiest time. Mrs. Barnes reports a good season and has prepared a well-grown stock in anticipation of a first-class fall business.

JAMESTOWN, N. Y.—Messrs. Roney and Worden returned from the convention right side up, and well pleased with what they saw at the cities by Lake Michigan. Mr. Worden has a retail business and learned some new ideas for that branch. Mr. Roney saw much that interested him in the mammoth establishments adjacent to the western metropolis, but was not convinced that stock of higher quality was grown than can be produced right here, and there is no reason why there should be, for more favorable conditions than we have would be hard to get. Stock at the Lake View Rose Gardens is in excellent shape. Palms have much improved of late, and are giving entire satisfaction. Walter Mott has been visiting the craft in Canada and Buffalo. I understand the bulb business has been good with his firm and that his second year showed a flattering increase in business over the preceding one.

BRADFORD, PA.—G. L. Graham has been busy during the summer, rebuilding a range of houses, which will give him a handy, complete plant. He grows en-

tirely for a first-class retail trade, which is handled at his down-town store by his genial manager, Mr. Valentine. W. C. Rockwell intended giving up the retail branch and going into wholesale entirely, but the vexed question of reliable help has made him change his plans. He has a handsome store, ably managed by his wife, a most pleasant lady. Will Graham and wife, of Binghamton, were visiting G. L. Graham at the time of my call. They reported a good season.

OLEAN, N. Y.—D. R. Herron is making preparations for a busy season; stock is in excellent shape; considerable wholesale business is done. Llewellyn & Son are growing roses for the first time and have a promising stock. In fact, many of these small concerns can give the big folk pointers when it comes to growing fine stock. Mrs. F. H. Johnson has one of the neatest places possible. Her business embraces the cream of the trade. I was shown a fine specimen of lemon and sampled a cooling drink flavored with the fruit. It was delicious and fully appreciated with the thermometer at 90 degrees in the shade. We have had a few days of real hot weather, grand for the corn, but not just what the florist is looking for just now.

HORNELLSVILLE, N. Y.—W. A. Wettlin is away for a brief spell, exploring the wilds of Canada. His stock looks well and at the time of my visit everyone was busy rushing out a big order for funeral work.

CORNING, N. Y.—A. H. Woepfel is finishing a new place which will be the most complete plant in the section. It is a Lord & Burnham construction, five houses, each 20x100 feet, with frontage of 100 feet. Houses run north and south with offices about twenty-five feet square in the northwest corner. The cement

cellar beneath will afford excellent cold storage. A work shed runs through the rear of the houses, with ample storage for coal near the boiler. Four acres of fine, loamy land adjoins, located directly opposite one of the largest cemeteries, with a second close by. The location is an excellent one and Mr. Woepel feels justly proud of this, his latest venture. The old plant will be kept to grow green goods for the present. M.

VARIETY OF FERN.

I send a fern frond and would like
the name of the variety! G. H. M.

The fern in question is *Nephrolepis rufescens tripinnatifida*, a very beautiful fern that has been in cultivation for twenty years or more. The fronds of this fern are divided in a manner slightly resembling those of the Pierson fern, but the stems of *N. rufescens tripinnatifida* are more woolly than those of the above, and it is probable that the Pierson fern is somewhat more hardy. This is, however, a valuable fern, and worthy of more extended cultivation.

W. H. TAPLIN.

NEW BEDFORD, MASS.

The first annual fall show of the New Bedford Horticultural Society was held September 17 and 18 at the City Hall. There were several groups of plants arranged for effect, these in the center of the hall, and along the sides were the tables of cut flowers, principally dahlias, H. F. Burt, of Taunton, winning most of the firsts, but losing on general display to J. K. Alexander, of East Bridgewater. S. S. Peckham had the best roses, heliotropes and geraniums; W. A. Johnson was first for groups of eighty feet, A. H. Jahn second. R. H. Woodhouse was first for groups covering forty feet. The amateurs contributed largely to the exhibits and success of the show. Arthur Cowee brought a first-class lot of gladioli from Berlin, N. Y. *Nephrolepis Piersoni*, in the group of J. H. Garthley, gardener to H. H. Rogers, was given a certificate of merit. The judges were John Farquhar, of Boston, and William Winters, of Mansfield.

HUNTINGTON, L. I.—Wm. O'Hara is cutting some very good Kaiserin roses.

CLASSIFIED PLANT ADVERTISEMENTS.

Rates for advertisements under this head, 10 cents a line net, per insertion. New ads. and changes must reach us by Wednesday morning at latest to secure proper classification in issue of Thursday.

ABUTILONS.

Abutilon Souv. de Bonne (variegated), fine, bushy plants in 4½-in. pots, \$20.00 per 100. Cash with order.

S. Muir, 3530 Michigan Ave., Chicago.

New abutilon Pink Beauty, novelty, 2½-in., \$4.00 per doz.

Ozone Park Nurseries, Ozone Park, L. I., N. Y.

Abutilons in variety, 2½-in., \$2.50 100; \$20.00 1000. R. Vincent, Jr., & Son, White Marsh, Md.

ACALYPHAS.

Acalypha Macafeeana, \$3.50 100.

R. Vincent, Jr. & Son, White Marsh, Md.

ALTERNANTHERAS.

Alternantheras, 1200 R. C. of red alternantheras, August struck, 60c per 100.

Jacob Rohr, Naperville, Ill.

ALYSSUM.

2500 Giant dbl. alyssum, 3-in. pots, \$3.00 per 100; \$25.00 per 1000. Cash, please.

E. J. Cloud, L. B. 32, Avondale, Pa.

Alyssum, 3-in., strong plants, \$3.50 100. Cash. Converse Greenhouses, Webster, Mass.

Alyssum, double, 2½-in. pots, \$3.00 100. N. Smith & Son, Adrian, Mich.

AMPELOPSIS.

Ampelopsis Veitchii, strong seedlings, \$1.00 100. Cash. Chas. B. Stahl, 27 S. 11th St., Phila.

ARAUCARIAS.

ARAUCARIA EXCELSA.			
In. pots.	In. high.	Tiers.	Each.
4	10 to 12	3	\$0.50
5	12 to 14	3 to 4	.60
6	14 to 16	3 to 4	.75
6	16 to 18	4 to 5	1.00
6	18 to 20	4 to 5	1.25

HENRY A. DREER, Philadelphia, Pa.

ARAUCARIAS OUR SPECIALTY.			
In. pots.	In. high.	Tiers.	Each.
5	10 to 12	3 to 4	\$0.50
5½	13 to 16	3 to 4	.60
5½	13 to 16	3 to 4 ex. broad	.75
6	16 to 20	4 to 5 80c, 90c, 1.00	

Godfrey Aschmann, 1012 Ontario St., Phila.

Araucaria excelsa, 2-in. pots, 2 tiers, \$10.00 100. A. imbricata, 2½-in. pots, strong plants, \$10.00 100.

F. LUDEMANN, 3041 Baker St., San Francisco, Cal.

Araucaria excelsa. We have a fine stock of this desirable plant in all sizes, from 75c to \$2.00 each; perfect tiers. Satisfaction guaranteed.

Ozone Park Nurseries, Ozone Park, L. I., N. Y.

Araucaria excelsa, strong, stocky 3 and 4 tiers, 5-in., \$1.00 ea. Ridge Lawn Greenhouses, Pine Ridge, Buffalo, N. Y.

ARDISIAS.

Ardiasia, fine, strong plants, 5 and 6-in., \$50.00 100. Bentzen Floral Co., 4025 Marcus Ave., St. Louis, Mo.

The Florists' Manual, by William Scott, is a whole library on Commercial Floriculture. Send for terms on the installment plan. Florists' Pub. Co., 334 Dearborn St., Chicago.

ASPARAGUS.

ASPARAGUS PLUMOSUS NANUS.			
In. pots.	Per doz.	Per 100.	Per 1000.
2	\$0.60	\$ 4.00	\$35.00
3	1.00	8.00	70.00
5	3.00	20.00	.....

HENRY A. DREER, Philadelphia, Pa.

Asparagus plumosus nanus, true, 2-in., 50c doz., \$3.50 100, \$30.00 1000; 3-in., \$1.00 doz., \$8.00 100, \$70.00 1000. Send for complete illustrated price list.

GEO. WITTBOLD CO., Chicago.

Asparagus Sprengerii, 3-in., \$4.00 100; 4-in., \$8.00; 5-in., \$15.00; 6-in., \$25.00. A. plumosus, 3-in., \$10.00 100. All strong plants.

Bentzen Floral Co., 4025 Marens Ave., St. Louis, Mo.

Asparagus Sprengerii, field-grown, strong plants, from 6-in. pots, will take 7-in. to 8-in. pots, \$25.00 100.

A. M. Davenport, 88 Grove St., Watertown, Mass.

Asparagus plumosus, fine plants, in 2 and 2½-in., ready for 3-in., \$3.00 per 100; \$25.00 per 1000. Theodore Miller, Ironton, Ohio.

Asparagus plumosus nanus, strong 2½-in., \$3.00 100; \$25.00 1000. A. Sprengerii, \$2.00 100; \$15.00 1000. Cash, please.

G. M. Naumann, Doan St., Cleveland, O.

Asparagus plumosus nanus, 2½-in., \$3.00 100. A. Sprengerii, 2 and 2½-in., \$2.00 100; 3-in., \$2.50 100; 4-in., \$8.00 100.

Bell Conservatory Co., Sacramento, Cal.

Asparagus plumosus, 2-in., \$5.00; 3-in., \$8.00; 4-in., \$15.00 100. Sprengerii, 2-in., \$3.50; 3-in., \$5.00; 4-in., \$10.00 100.

Geo. A. Kuhl, Pekin, Ill.

Asparagus Sprengerii, from flats transplanted, \$5.00 per 1000. To clean out. Express prepaid to your city.

CALIFORNIA CARNATION CO., Loomis, Cal.

Asparagus Sprengerii, from flats, \$1.00 100, \$6.00 1000; 5000 for \$25.00; 2½-in., \$1.50 100, \$12.50 1000.

S. Whitton, 15 Gray Ave., Utica, N. Y.

Well-grown Asparagus Sprengerii, from 3-in., \$2.50 100, \$20.00 1000; seedlings, 75c 100, \$5.00 1000.

S. S. PENNOCK, 1612 Ludlow St., Philadelphia.

Plumosus nanus, 2½-in. pots, \$3.50 per 100. Sprengerii, 2½-in., \$2.25 per 100; \$20.00 per 1000.

JACKSON & PERKINS Co., Newark, New York.

Asparagus Sprengerii, 2½-in. pots, \$3.00 per 100. HENRY ENGLER, 4651 Lancaster Ave., Philadelphia.

Asparagus Sprengerii, Good strong plants, 2½-in., \$2.00 per 100; 5-in., \$15.00; 6-in., \$25.00.

A. M. Wringley, Norton, Mass.

ASPARAGUS PLUMOSUS NANUS.

Cut strings, 60 cents each.

W. H. ELLIOTT, BRIGHTON, MASS.

Asparagus Sprengerii, good, strong plants. Per 100: 2-in., \$2.00; 3-in., \$5.00; 4-in., \$8.00.

A. G. Fehr, Belleville, Ill.

Asparagus plumosus, Strong 4-in. stock, ready for 5 in., \$15.00 per 100. Cash with order.

F. A. Imobersteg, Toledo, Ohio.

Asparagus Sprengerii and plumosus, extra strong, 2-in., at \$2.00 and \$3.00 per 100.

WHITE'S CONSERVATORY, Sandusky, O.

Asparagus Sprengerii, 2-in., \$2.00; 2½-in., \$2.50; 3-in., \$3.00 100. Express prepaid.

LOOMIS FLORAL CO., Loomis, Cal.

Asparagus plumosus, strong plants, 3-in., \$5.00 per 100; 3½-in., \$8.00 per 100.

Maurice J. Brinton, Christiana, Pa.

Asparagus Sprengerii, 2-in. pots, \$2.00 100. A. plumosus nanus, \$2.50 100. Cash.

Jos. H. Cunningham, Delaware, Ohio.

Plumosus nanus, 3-in. pots, fine, strong plants, \$8.00 100. Cash with order.

Joseph Towell, Paterson, N. J.

Asparagus Sprengerii and plumosus, extra strong, 2-in., \$30.00 1000.

C. BETSCHER, Canal Dover, O.

Asparagus plumosus, 4-in. pots, \$12.50 per 100. Cash with order.

H. H. BARROWS & SON, Whitman, Mass.

Asparagus Sprengerii, Feb. sown seed, 2-in. pots, \$2.00 100. Cash.

John Brod, Niles Center, Ill.

Plumosus nanus, 3-in., \$8.00 100. Sprengerii, 2½-in., \$3.00 100.

L. H. Foster, Dorchester, Mass.

Asparagus plumosus, 3-in., at the rate of \$10.00 per 100.

Godfrey Aschmann, 1012 Ontario St., Phila.

Asparagus plumosus, strong plants, 6-in., \$25.00 100.

Thorn Hedge Greenhouses, Newtown Square, Pa.

Asparagus plumosus, 2½-in., \$4.00 100; 3-in., \$6.00 100.

S. M. Harbison, Danville, Ky.

Asparagus plumosus, 2½-in., \$3.50 100; \$30.00 1000. Cash. W. F. Kasting, Buffalo, N. Y.

Asparagus plumosus, 2-in. pots, \$3.00 per 100.

Wm. Kelr, Pikesville, Md.

Asparagus plumosus nanus, 2½-in., \$4.00 100.

H. Weston, Hempstead, N. Y.

Asparagus Sprengerii, 2½-in., \$1.00 per 100. The Iola Greenhouses, Iola, Kan.

Asparagus Sprengerii, strong, 2-in., 2c. Cash. Byer Bros., Chambersburg, Pa.

Sprengerii, large sizes, low prices. Write RONEY BROS., West Grove, Pa.

Asparagus Sprengerii, 2-in., \$2.50 per 100.

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Asparagus Sprengerii, 2-in., \$1.50 100.

E. I. Rawlings, Quakertown, Pa.

Asparagus plumosus, all sizes.

A. S. MACBEAN, Lakewood, N. J.

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Aspidistras, green, 4-in., \$1.50 doz.; 5-in., \$2.50 doz.; variegated, 4-in., \$2.50 doz.; 5-in., \$3.50 doz. Cash.

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Aspidistras. Cheaper than they can be imported. 5 and 6 leaves, 5-in. pots, \$2.25 doz., \$18.00 100.

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Aspidistra lurida, 4-in., \$25.00 100.

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Azalea indica, for Xmas forcing, pot-grown. Deutsche Perle, Simon Mardner, Vervaeneana, also 10 to 15 more good varieties for Easter forcing, 40c, 50c, 75c, \$1.00 and more each. Cash.

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Bay Trees. Have just received a fine lot of standards and pyramids.

F. W. O. Schmitz, Prince Bay, N. Y.

Among our specialties, bay trees, boxwood, palms, evergreens, etc.

BOBBINK & ATKINS, Rutherford, N. J.

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Lorraine begonias. I have good, healthy plants from 2½-in. pots, taken from sand end of July and early August. Will make good plants in 4-in. and 5-in. pots for Christmas. "The Size That Sells." Largest, \$12.00; smaller, \$10.00 per 100. Would exchange for Boston Ferns from 4-in. pots. Cash with order.

John Doughty, Kimberly Av., New Haven, Conn.

Rex begonia, fine varieties in perfect condition, 3½ and 4-in., 6c. B. argenteo, 4-in. pots, 4c. Cash please.

R. G. Hanford, Norwalk, Conn.

Rex begonias, a number of the best varieties, 2-in., \$4.00 100. Begonia aurea manicata, 2-in., \$4.00 100.

N. O. CASWELL, Delavan, Ill.

Mammoth begonias, in flower, 4-in., \$8.00 100.

S. Whitton, 15-17 Gray Ave., Utica, N. Y.

Begonia racinifolia maculata, 2-in., \$4.00 per 100.

C. W. BAKER, Springfield, Ohio.

Begonia de Lorraine, 2½-in., \$15.00 100; \$140.00 1000. Julius Roehrs, Rutherford, N. J.

BERRIED PLANTS.

Solanum ciliatum or Adams apple, large, bright red berries, 3-in. pots, 5c; 4-in. pots, 8c; 6-in. pots, 25c each. Solanum annuum or celestial peppers, 4-in. pots, 10c; 5-in., 20c; 6-in. pots, 30c each. Solanum capsicastrum or Jerusalem cherry, large berry, var., 3-in. pots, 5c. Plants are strong and clean and ready to shift. Satisfaction guaranteed. Cash.

M. F. La Roche, Collingdale, Pa.

Celestial peppers, fine plants and full of fruit, in 5-in. pots; beautiful for table decoration, 50c.

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Jerusalem cherry trees, field-grown, dwarf and bushy, well set with berries, \$8.00 100. Cash. Converse Greenhouses, Webster, Mass.

Christmas Peppers, fine plants out of 2½-in., \$2.00 100; \$15.00 1000.

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Celestial peppers, 5-in., \$1.50 doz., \$12.00 100. Oechslin Bros., 1688 W. Madison St., Chicago.

BOUVARDIAS.

Bouvardias, pink and white, strong plants from field, \$8.00 100. C. E. Meehan, Slocun and Musgrove, Germantown, Pa.

Pink and white bouvardias, \$8.00 per 100; less than 100 lots, \$10.00 per 100.

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White Roman Hy., 11x15....	\$0.25 \$2.00 \$19.00	
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Freesia, pure white, large bulbs	.10 .65 6.00	
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Dutch bulbs. Hyacinths; Tulips; Crocus; Narcissus, Von Slon, dbl. nosed, etc. Send for our special price list.

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6x750 4.00 35.00	
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Oxalis in four colors, yellow, rose, white and lavender.		
Grand Duchesse15 1.00 8.00	
Large flowering Oxalis, all colors, mixed10 .75 6.00	

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NOW READY. White Roman Hyacinths and P. W. G. Narcissus. 100. 1000. Hyacinths, 12-15 cms.....\$2.90 \$26.00 Narcissus, 13 cms. and over.....1.00 9.00 Freesias, Bermuda-grown, fine bulbs, 10c doz., 60c 100, \$5.00 1000.

Selected Dutch bulbs, ready for delivery. Get our prices.

JOHNSON & STOKES, 217-219 Market St., Philadelphia, Pa.

Special offer of Paper White narcissus. We have a shipment of these bulbs coming this week from Marseilles, France, which we are selling at \$7.50 per 1000, in cases of 1300 and 1400 each. Order at once.

N. Le Page, 46 S. 12th Ave, Mt. Vernon, N. Y.

L. candidum, Harrisii and longiflorum. Freesias, Romans. Paper White and Chinese narcissus. Full stock of Dutch hyacinths, tulips, narcissi, crocus, etc., etc.

W. W. BARNARD & CO., 161 Kinzie St., Chicago.

We have a large stock of extra fine strong bulbs of LILIUM HARRISII, DUTCH HYACINTHS, NARCISSI, etc. Send for our price list before ordering.

J. M. THORBURN & CO., 36 Cortlandt St., N. Y.

Longiflorum, Harrisii, freesias, oxalis, callas now ready. Send for our annual trade list of bulbs.

W. W. RAWSON & CO., Boston, Mass.

Bulbs, Plants, Seeds, Hyacinths, Tulips, Narcissus, Lilies, etc. Special prices on application. JAMES VICK'S SONS, Rochester, N. Y.

Calla bulbs, \$4.00 per 100. Gustav Noack, Batavia, N. Y.

CAMELLIAS.

CAMELLIA JAPONICA, 5-in. pots, 12 to 15 inches high, bushy plants, \$6.00 per doz., \$45.00 per 100. HENRY A. DREER, Philadelphia, Pa.

CARNATIONS.

FIELD-GROWN CARNATIONS.

Fine, healthy plants, guaranteed to be satisfactory.

Flora Hill	Per 100. Per 1,000	
White Cloud	\$5.00 \$45.00	
Norway	5.00 40.00	
Queen Louise	5.00 45.00	
Her Majesty	7.00 60.00	
Prosperity	7.00 60.00	
Guardian Angel (Sport).....	4.00 35.00	
Lawson	7.00 65.00	
Marquis	4.00 35.00	
Mrs. Higginbotham	5.00 45.00	
Mrs. Potter Palmer.....	5.00 45.00	
America	4.00 30.00	
Chicago (Red Bradt).....	5.00	

WLETOR BROS., 51 Wabash Ave., Chicago, Ill.

FIELD-GROWN CARNATIONS.

It has been a good growing season and plants are in fine shape, strong and bushy.

100. 1000.	100. 1000.	
G. Angel ..\$4.00 \$35.00	Norway ...\$5.00 \$40.00	
Lord 3.00 25.00	Dorothy ... 6.00 50.00	
Triumph .. 4.00 35.00	Nelson 6.00 50.00	
Orane 5.00 40.00	Marquis ... 5.00 40.00	
Palmer ... 4.00 35.00	Cressbrook . 5.00 40.00	
America .. 5.00 40.00	Galeity 5.00	

All stock sold under express condition that if not satisfactory it is to be returned immediately, when money will be refunded. Cannot accept orders for less than 50 of a variety.

P. REINBERG, 51 Wabash Ave., Chicago.

Carnations. Write for our list and prices. Crabb & Hunter, Grand Rapids, Mich.

Field-grown carnations, clean plants.

Dorothy, D. Whitney,	
Higinbotham, Palmer,	
Lord, Crane,	
Marquis, Mrs. Wood,	
Joost, Norway,	
Crocker, Roosevelt,	
Alba, Estelle,	

\$5.00 per 100; 2nd size, \$3.00 per 100. Apollo and Prosperity, \$6.00 per 100.

Terms cash.

Joseph Heini, Jacksonville, Ill.

Field-grown carnation plants, strong and healthy.

100. 1000.	100. 1000.	
Hill .....\$5.00 \$40.00	G. Angel...\$4.00 \$35.00	
W. Cloud. 5.00 40.00	Joost 8.00 25.00	
Q. Louise. 5.00 40.00	Marquis ... 3.00 25.00	
Norway ... 4.00 35.00	Lord 8.00 25.00	
Triumph .. 4.00 35.00		

All plants guaranteed A No. 1. If not satisfactory when received, return at once and get your money back.

GEO. REINBERG, 51 Wabash Ave., Chicago.

FIELD-GROWN CARNATIONS NOW READY.

2000 Crocker.	800 Joost.
1000 Fisher.	450 Scott.
100 Marquis.	

\$5.00 per 100; \$45.00 per 1000.

Also about 3500 Portia, 1000 Genevieve Lord and 200 Joost, \$3.50 per 100; \$30.00 per 1000. Cash with order from unknown parties.

WM. F. KASTING, Buffalo, N. Y.

Fine field-grown carnation plants.

Per 100	Per 100	
Estelle .....\$6.00	Norway .....\$5.00	
Floriana 6.00	BonHomme Rich. 6.00	
Queen Louise.... 6.00	Dr. Mitting 6.00	
Dorothy 5.00	Mrs. Lawson 7.00	
Mrs. Bradt 8.00	Cash with order.	

EVENDEN BROS., Williamsport, Pa.

Field-grown carnations, strong and healthy.

100	100	
1000 Hill .....\$6.00	4000 Joost .....\$5.00	
600 Portia 6.00	1000 Scott 5.00	
500 Dean 6.00	150 Lord 6.00	
100 America ... 6.00		

Leo Niessen, 1217 Arch St., Phila., Pa.

Field-grown carnations.

Per 100:	
200 Roosevelt ...\$7.00	300 Dorothy.....\$7.00
100 Norway 7.00	400 Joost 7.00
200 Alba 7.00	400 Glacier 7.00
100 Crocker 7.00	

Cash or C. O. D.

W. J. & M. S. Vesey, Fort Wayne, Ind.

Field-grown carnation plants, clean, strong and bushy.

100. 1000.	100. 1000.	
America ..\$4.00 \$35.00	Joost .....\$3.00 \$25.00	
Gomez 4.00 35.00	Scott 3.00 25.00	

A. B. EVERETT, Berneau and No. Oakley Aves., Chicago.

Field-grown carnation plants, strong, healthy and free from disease.

100. 1000.	100. 1000.	
Norway ..\$4.00 \$35.00	Joost .....\$3.50 \$30.00	
Glacier ... 3.50 30.00	Nelson 5.00 45.00	
Alba 3.00 25.00	Wolcott ... 5.00 45.00	

A. C. CANFIELD, Springfield, Ill.

2075 extra fine bushy carnation plants at \$5.00 per 100. Albertini, 900; Lawson, 300; Crane, 300; Ivory, 100; Queen Louise, 100; Marquis, 100; Bradt, 100; Red Bradt, 100; White Cloud, 75; Mary Wood, 100.

C. B. FLECK, Fort Wayne, Ind.

CARNATIONS. A snap. White Cloud, Flora Hill, G. H. Crane, Gov. Roosevelt and Marquis, fine, healthy plants; packed light. Safe arrival and satisfaction guaranteed or your money back. \$4.00 per 100. Order now.

FRANK BERRY, Stillwater, Minn.

Carnations extra large size, clean and healthy. Prosperity, \$8.00 100; Ethel Crocker, Gen. Gomez, \$5.00 100; Gen. Maceo, second size, \$3.00 per 100.

F. Schnackenberg, 382 Clarkson St., Flatbush, L. I., N. Y.

About 2000 field-grown carnations, good, healthy plants of following varieties: Estelle, Crane, Lawson, \$6.00 per 100; Morning Glory, Flora Hill, White Cloud, Ethel Crocker, \$5.00 per 100.

Crown Point Floral Co., Crown Point, Ind.

WESTERN GROWERS SAVE TIME

and express on carnation plants. 2000 Wm. Scott and 2000 Alaska, \$2.50 100; 2000 Mary Wood, \$3.00 100. Cash from unknown parties. WM. L. ROCK FLOWER CO., Kansas City, Mo.

Strong, healthy, field-grown plants, Hill, Gomez, America, Morning Glory, Crane, Marquis, Joost, \$3.00 to \$5.00 100, according to size; \$25.00 to \$40.00 1000.

W. H. WATSON, SON & CO., Lapeer, Mich.

Field-grown plants of our new cerise colored carnation MRS. SCHULTHEIS, \$6.00 per 100; \$50.00 per 1000. This price includes packing. Cash with order.

ANTON SCHULTHEIS, College Pt., L. I., N. Y.

1,000,000 unrooted carnations now ready. For varieties and prices see displayed adv. in this issue.

CALIFORNIA CARNATION CO., Loomis, Cal.

Field-grown carnations. Write for varieties and prices. H. Weber & Sons, Oakland, Md.

2000 carnations of the following varieties: Joost, Fair Maid, Eleanor, Ames, Norway, Maceo and Marquis. Very fine plants at \$5.00 per 100. Cash.

Wilfrid Wheeler, Box 670, Concord, Mass.

Carnation plants that are strong, vigorous and healthy.

Per 100: Prosperity\$6.00 Nelson\$6.00

Norway 5.00 Alba 5.00

A. C. BROWN, Springfield, Ill.

Field-grown carnations; clean, healthy stock.

100 1000	100 1000	
W. Cloud.\$5.00 \$40.00	Scott ....\$3.50 \$30.00	
Evanston . 4.00 35.00	Portia ... 3.50 30.00	

John Munro, 51 Wabash Ave., Chicago.

New carnation LOUISE NAUMANN, a most brilliant dark pink, fringed variety. Cuttings, \$1.25 doz.; \$8.00 100; \$70.00 1000. January delivery.

G. M. NAUMANN, Doan St., Cleveland, O.

Field-grown carnation plants, strong and healthy. White Cloud, Crane, Cartledge and McGowan, \$5.00 per 100; \$40.00 per 1000. Cash with order. Geo. R. Geiger, Nazareth, Pa.

Carnations, strong, healthy, field-grown plants, free from stem-rot and spot, Wm. Scott, Mrs. Joost, The Marquis, \$5.00 100. Cash with order. John Curwen, Glen Head, L. I., N. Y.

Carnations Hill, Freedom, Gomez, Marquis, Bon Ton, Scott, Bradt, Gov. Roosevelt, Joost and Daybreak, \$5.00 100. Cash.

Chas. H. Green, Spencer, Mass.

3000 McGowan, \$3.00 per 100. 250 Cressbrook, \$5.00 per 100. 150 Genevieve Lord, \$3.00 100. 500 Admiral Cervera, \$5.00 100.

F. H. Kimberly, New Haven, Conn.

Strong, field-grown plants, Goodenough, white, \$5.00 100; Joost, pink, \$5.00 100. Cash with order from unknown parties.

Sidney Littlefield, North Abington, Mass.

Carnations. Mrs. Joost, Triumph, Higinbotham, Armazindy, Bon Homme, Bradt, \$5.00 100; Cressbrook, \$6.00 100.

W. H. Gullett & Sons, Lincoln, Ill.

Surplus carnations. Norway, Morning Glory, Scott and a few others in small lots, \$4.00 per 100, \$35.00 per 1000.

J. M. Smely, 354 So. 4th St., Aurora, Ill.

SURPLUS CARNATIONS. Clean, healthy plants of Norway and Queen Louise, \$5.00 100. This stock will please you.

W. E. HALL, Clyde, O.

Carnations, field-grown, fine plants, strong and healthy; Floriana and Lorna, \$5.00 100. Order at once as stock is limited.

Joseph Towell, Paterson, N. J.

Field-grown carnations, strong and in fine condition. We have no stem-rot nor rust. Send your list for prices.

J. L. Dillon, Bloomsburg, Pa.

1200 Servia, a good white; 300 Mrs. Joost. Price, \$4.00 per 100; \$35.00 per 1000. Good plants and all right.

A. Batley & Son, Maynard, Mass.

Scott and Joost carnations at 30c per 100, \$25.00 per 1000. Queen Louise, \$5.00 per 100, \$40.00 per 1000.

Mrs. A. M. Schafer, 229 Balmoral Ave., Chicago.

Joost, Crocker and McGowan carnations, fine, large plants, \$3.00 per 100. No other varieties for sale.

J. Bennett, Blue Point, L. I., N. Y.

Strong, healthy carnation plants. Crocker, Joost and Happy Day (cerise pink) in field at \$3.00 per 100. ALBERT HAKE, Manchester, Pa.

275 field-grown Flora Hill, \$5.00 100. All for \$11.00. Henry Krinke, 43 W. Jessamine St., St. Paul, Minn.

Field-grown carnations. 300 Norway, 4c; 200 Joost, 3 1/2c; 400 McGowan, 3c; good, healthy stock. Jno. Milne & Son, Fairbury, Ill.

Field-grown carnations, 1000 healthy plants. Mrs. Joost, Eldorado, \$5.00 per 100, \$40.00 per 1000.

H. Madsen, West Springfield, Mass.

Carnation plants, 400 Prosperity, extra strong, healthy plants, field-grown, \$7.00 100.

I. H. MOSS, Govanstown, Md.

Fine stocky plants of Lawson, Prosperity, Queen Louise and Bradt, \$6.00 per 100.

James Patience, Stamford, Conn.

Extra fine field-grown carnations. Joost, A. Cervera and Cressbrook, \$4.00 per 100.

S. S. PECKHAM, Fairhaven, Mass.

Field-grown carnations. 700 Evanston, 250 Crane and 200 Hill, 3c. Good stock.

KRING BROS. Fairbury, Ill.

A surplus of 2,000 fine field-grown plants in 7 varieties. Prices right. Write me.

O. B. Stevens, Shenandoah, Iowa.

20,000 field-grown carnation plants, mostly white. Write for prices.

LLEWELLYN, Florist, Olean, N. Y.

Ethel Crocker, field-grown carnation plants, \$5.00 per 100. Cash.

Rockville Greenhouses, Rockville Center, N. Y.

2000 Mrs. F. Joost, extra strong field-grown plants, \$4.00 per 100.

J. J. McManmon, Lowell, Mass.

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2000 Mrs. F. Joost, field-grown, fine plants, \$4.00 per 100. W. & H. F. Evans, Rowlandville, Phila. Pa.

First-class JOOST, FOSTER, \$3.75 a 100. Otto Bourdy, Lowell, Mass.

1000 Norway plants to close out, \$3.50 per 100. John Brod. Niles Center, Ill.

G. H. Crane, large, well-branched plants, \$6.00 100. Nathan Smith & Son, Adrian, Mich.

CHRYSANTHEMUMS.

Leading mums in pots, 4, 5 and 6-in., 15c, 25c and 50c ea. Fall and winter stock for cuttings from 3, 4 and 5-in. pots, at \$8.00, \$10.00 and \$15.00 100.

D. S. Beach, Box 253, Bridgeport, Conn.

Chrysanthemums, strong, bushy plants, 6-in., \$15.00 100.

Bentzen Floral Co., 4025 Marcus Ave., St. Louis, Mo.

3500 2½-in. chrysanthemums, including Chadwick, Wedding, Appleton, etc., \$20.00 per 1000. Liger and Richardson, 2½-in., \$15.00 100.

Poehlmann Bros. Co., Morton Grove, Ill.

Pompon chrysanthemums, 50 varieties, \$2.00 100; \$17.50 1000.

R. Vincent, Jr. & Son, White Marsh, Md.

CINERARIAS.

Cineraria hybrida, Michell's finest strain, 2-in. pots, \$2.25 100. Cash with order, please.

Godfrey Aschmann, 1012 Ontario St., Phila.

Cinerarias, dwarf, large flowering, 2-in., \$1.50 per 100. Cash.

J. W. MILLER, Hatton, Pa.

Large-flowering, 2½-in., \$2.00 100; 300 for \$5.00.

C. Whitton, City St., Utica, N. Y.

Cinerarias, 2-in., \$2.00 per 100.

Jos. H. Cunningham, Delaware, O.

COLEUS.

Coleus in variety, \$2.00 100; \$17.50 1000.

R. Vincent, Jr. & Son, White Marsh, Md.

Coleus. 2000 R. C. of Verschaffeltii, Firebrand and Golden Bedder, 50c per 100 by mail.

Jacob Rohr, Naperville, Ill.

Are you looking for someone who is looking for a bargain? You'll find him—by advertising that bargain in the Review's classified ads.

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CYCUS REVOLUTA. An elegant lot of established plants.

Each.	
6-in. pots, 5 to 6 leaves.....	\$0.50
6-in. pots, 7 to 8 leaves.....	.75
7-in. pots, 8 to 10 leaves.....	1.00
7-in. pots, 10 to 12 leaves.....	1.50

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CYCAS STEMS. Only 10 cases unsold. Speak quick if you want one. Price only \$4.00 per 100 lbs.

STUMPP & WALTER CO., 50 Barclay St., N. Y.

Cycas revoluta (sago palm), perfect, 6 to 7-in. pots, 4, 5, 6, 7, 8 leaves, only 9c per leaf. Cash.

Godfrey Aschmann, 1012 Ontario St., Phila.

Cycas revoluta, the long leaf var., stems from ½ to 6 lbs., \$7.50 per 100 lbs.

F. W. O. Schmitz, Prince Bay, N. Y.

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CYCLAMEN SPLENDENS GIGANTEUM. The finest strain in the world. A splendid stock of plants from 3-in. pots, \$7.00; from 3½-in. pots, \$10.00; from 4-in. pots, \$12.00 per 100.

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Cyclamen giganteum, finest strain, extra strong and thrifty plants, all colors, 4-in. pots, \$20.00 100. Special rates for large orders.

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Cyclamen. Only the large giganteum grown; 3-in., \$7.00.

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Cyclamen, fine plants, 5-in., \$12.00 100.

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Cyclamen, per. giganteum; large flowered, 3-in. \$5.00 100; 4-in., \$10.00 100.

S. Whitton, 15 Gray Ave., Utica, N. Y.

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DAHLIAS FOR FORCING. Specially prepared for forcing. Send for cultural leaflet. Storm King, Camellia Alba and A. D. Livoni, \$1.00 per doz., \$8.00 per 100. Twentieth Century, \$2.00 per doz., \$15.00 per 100.

HENRY A. DREER, Philadelphia, Pa.

DAHLIAS. For plants, bulbs or cut blooms, write

W. P. PEACOCK, Atco, N. J.

50,000 field clumps named. Send for list.

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Daisies, the very best double red and white, guaranteed double, cuttings, no seedlings, 50c per 100.

Anton Wenisch, Williamsbridge, New York City.

Double daisies, Giant and Longfellow, \$3.00 per 1000. Cash.

Byer Bros., Chambersburg, Pa.

DRACÆNAS.

Dracaena indivisa, strong, field-grown plants, ready for 5-inch pots, \$10.00 per 100.

HENRY ENGLER, 4651 Lancaster Ave., Philadelphia.

Dracaena indivisa, strong, from open ground, ready for 5 and 6-in. pots, 20 to 24 inches high, \$15.00 per 100.

E. F. Rose, Taunton, Mass.

Dracaena indivisa, fine, perfect plants ready for 5 and 6-in. pots, at \$13.00 per 100.

Joseph Labo, Joliet, Ill.

Dracaena indivisa, field-grown, \$2.00 doz.; \$15.00 100.

W. G. Kroeber, Danbury, Conn.

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Farfugium grande, 4-in., \$1.50 doz. Cash.

Joseph Heintz, Jacksonville, Ill.

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FERNS FOR FERN DISHES. All the standard varieties, 2½-in. pots, \$3.00 per 100, \$25.00 per 1000.

PIERSON FERN. Reduced prices. Fine, strong plants, 2½-in. pots. In lots of 12 plants, 35c each; 50 plants, 30c each; 100 plants, 25c each; 500 plants, 22½c each; 1000 plants, 20c each. Fine, 5-in. pots, \$1.00 each; 6-in. pots, \$1.50 each.

FERNS IN FLATS. The following varieties can still be supplied in flats of about 200 plants each at \$2.00 per flat. Each flat contains but one variety and not less than one flat of any one variety will be sold. Adiantum cuneatum, Aspidium tsussimense, Lastrea aristata variegata, Nephrolepis cordata compacta, Davallia stricta, and the following varieties of pteris: Argyræa, cretica albo-lineata, magnifica, Ouvrardi, serrulata, serrulata cristata, tremula and Wimssetti.

HENRY A. DREER, Philadelphia, Pa.

BOSTON FERNS. Extra fine stock.

5-in.....	\$3.00 per doz.,	\$20.00 per 100
6-in.....	5.00 per doz.,	35.00 per 100
7-in.....	7.20 per doz.,	50.00 per 100
8-in.....	12.00 per doz.,	85.00 per 100

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Boston ferns, 2½-in., \$5.00 100; 3-in., \$10.00; 4-in., \$15.00; 5-in., \$25.00; 6-in., \$40.00; 7-in., \$60.00; 8-in., \$1.00 to \$1.50 each; 10-in., \$2.00 to \$2.50. Pierson ferns, 2½-in., 35c each; 50 at 30c each, 100 at 25c; 3-in., 50c ea.; 4-in., 75c; 5-in., \$1.00; 6-in., \$1.50; 7-in., \$2.50; 8-in., \$3.00.

GEO. A. KUHL, Pekin, Ill.

Alsophila australis, specimens in 11-in. pots, 4-ft. tall, \$3.00 each. Bostoniensis and Davallioides furcans, 4-in., \$2.50; 5-in., \$4.00; 6-in., \$6.00 doz. Lomeria giba, 4-in., \$1.75; 5-in., \$3.50; 6-in., \$4.50 doz. 5 per cent discount for cash with order.

N. STUDER, Anacostia, D. C.

Small ferns for fern dishes. Pteris Wimssetti, argyræa, serrulata, serrulata cristata, albo-lineata, adiantoides, Ouvrardi, Aspidium tsussimense, and Cyrtomium falcatum, nice plants in 2½-inch pots, \$3.00 per 100; \$25.00 per 1000. Cash.

Oechslein Bros., 1688 W. Madison St., Chicago.

SEEDLING FERNS. 1000 flats, ready for pots, in best commercial varieties. Write us for list of kinds. If carefully divided, each flat will average about 400 plants; \$2.00 per flat, 12 flats \$21.00.

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Boston ferns, 5-in. pots, 25c to 35c each; 6-in. pots, 40c to 50c each. Adiantum cuneatum (Maiden hair), 4-in. pots, very bushy, \$1.80 doz. Ferns for fern dishes, 2½-in. pots, finest varieties, only \$4.00 per 100, worth \$5.00. Cash.

Godfrey Aschmann, 1012 Ontario St., Phila.

Boston ferns, good, strong plants, transplanted once, \$5.00 100; \$40.00 1000. From bench, transplanted several times, extra fine, from 25c to \$1.50 each. Cash.

A. M. Davenport, 88 Grove St., Watertown, Mass.

Boston ferns, vigorous plants from benches, ready for 6, 7 and 8-in. pots or pans, 25c, 35c and 50c each.

Small ferns, 2½-in., good assortment, \$2.50 100; \$20.00 1000.

Ozone Park Nurseries, Ozone Park, L. I., N. Y.

Ferns for dishes. Nice hardy plants of Pteris Wimssetti, P. serrulata, P. serrulata cristata, P. Ouvrardi, Aspidium tsussimense and Cyrtomium falcatum, \$3.00 100, \$25.00 1000.

GEO. WITTBOLD CO., Chicago.

BOSTON FERNS. I make a specialty of Nephrolepis Exaltata Bostoniensis, \$10.00, \$15.00, \$20.00 and \$25.00 per 100. Taken from bench; extra fine plants.

WM. A. BOCK, North Cambridge, Mass.

BOSTON FERNS. Samples of fine Bostons from benches, ready for 5 to 7-in. pots, sent to prospective buyers who make us best offer on such plants. Write us.

J. A. Swartley & Sons, Sterling, Ill.

Ferns for fern pans or growing on. Good, healthy stock in 2-in. pots. Pteris Ouvrardi, P. cretica albo lineata. P. cristata and P. tremula, \$3.00 100.

Wagner Park Conservatories, Sidney, O.

Pierson ferns, 2½ and 2½-in., \$25.00 100; \$112.50 500. Bostons, 2½-in., \$5.00 100; \$22.50 500.

Chas. H. Campbell, 3601 Germantown Ave., Philadelphia, Pa.

Boston ferns, fine, strong plants, 3-in., \$10.00 100; 4-in., \$20.00; 6-in. pans, \$40.00; 8-in. pans, \$1.00 each; 10-in. pans, \$1.25 each. Bentzen Floral Co., 4025 Marcus Ave., St. Louis, Mo.

100 Boston ferns from bench. Fine, strong plants from 5 to 7-in. pots, \$20.00 cash, if taken at once. Must have this room.

F. A. Belt, 1711 E. Third St., Sterling, Ill.

Boston ferns. Fine, strong plants from bench for 4-in., \$15.00 per 100; 5-in., \$25.00 per 100; 6-in., \$35.00 per 100. Cash.

Mercer Floral, 1200 E. Hamilton, Trenton, N. J.

Pierson ferns, doz., \$3.00; per 100, \$22.00. Bostoniensis, doz., 60c; per 100, \$4.00. Splendid stock out of 2½-in. pots.

W. C. Beckert, Allegheny, Pa.

Boston sword ferns. Strong, bushy plants from bench, ready for 7 and 8-inch pots, 50c each. Cash with order.

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Nephrolepis Bostoniensis, strong plants from bench.

L. Mosbaek, 85th St., near South Chicago Ave., Chicago, Ill.

The ANNA FOSTER fern, from bench, for 6-inch, \$35.00 100. Pot plants, from 50 to \$5.00 each.

BOSTONS, large plants, cut from bench, \$50.00 100.

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Boston and compacta ferns, 5 and 6-in., pot-grown plants, 40c and 75c ea. Ridge Lawn Greenhouses, Pine Ridge, Buffalo, N. Y.

Ferns for ferneries now ready. 12 to 15 varieties in 2½-in. pots, \$3.00 100; \$25.00 1000.

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Boston ferns, 2½-in., \$3.50 per 100. Also a good stock of 4, 5, 6 and 7-inch at low prices.

Davis Bros., Morrison, Ill.

Adiantum capillus veneris, strong, bushy plants from 2½-inch pots, \$4.00 100.

Nathan Smith & Son, Adrian, Mich.

Ferns in flats in the leading varieties; per flat of 110 clumps, \$2.00. Cash.

F. W. O. Schmitz, Prince Bay, N. Y.

Boston ferns, from bench for 5 and 7-in. pots, 15 and 25c, fine stock. Cash.

Byer Bros., Chambersburg, Pa.

Boston ferns, 3, 4 and 5-in., \$10.00, \$15.00 and \$25.00 100. Cash.

Joseph Heintz, Jacksonville, Ill.

Boston ferns, 7-in., \$1.00; 8-in., \$1.25; 9-in., \$1.50 each. Cash.

W. J. & M. S. Vesey, Fort Wayne, Ind.

Boston ferns, all sizes. Fine Pierson, in 2½-in. pots.

JOHN SCOTT, Keap St., Brooklyn, N. Y.

Fern balls in fine condition, 7x9, \$22.50 per 100.

F. W. O. Schmitz, Prince Bay, N. Y.

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400 bushy smilax from 3-in. pots, \$2.50 per 100. Would exchange for good cineraria or primrose plants.

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4000 smilax, 3-in. pots, strong, healthy plants, \$3.00 100. A. L. Brown & Son, Davis Ave., Kearney, N. J.

20,000 smilax. A No. 1 stock, from 2-in. pots, \$1.00 100, \$8.00 1000; 250 at 1000 rate.

E. I. Rawlings, Quakertown, Pa.

Smilax. 250 surplus, fine, strong plants, from 2½-in. pots, the lot for \$5.00.

John Thurton, East Yonkers, N. Y.

500 No. 1 smilax in 2-in. pots. They are fine, strong plants, \$1.50 per 100.

T. C. Breece, West Berlin, Ohio.

Smilax, 2-in., strong, cut back twice, \$7.50 1000; 90c 100. 250 at 1000 rate. Cash.

R. Kilbourn, Clinton, N. Y.

Smilax, 2½-in., strong, ready for planting. \$1.00 100; \$8.00 1000.

Buckley Plant Co., Springfield, Ill.

Smilax, fine plants from 2½ and 3-in. pots. \$2.00 per 100.

Andrew Andersen, Govanstown, Balto. Co., Md.

Smilax, cut string, heavy, 5 feet, 12½c. Cash. Mercer Floral, 1200 E. Hamilton, Trenton, N. J.

Field-grown smilax, \$3.00 per 100; \$25.00 per 1000. Leo Niessen, 1217 Arch St., Phila, Pa.

Smilax, 2-in., extra strong, \$100 100. Cash. John Brod, Niles Center, Ill.

Smilax, 3-in., strong, \$2.00 100. Cash. Joseph Heintz, Jacksonville, Ill.

Smilax, 2½-in., \$2.00 per 100. Cash. Rockville Greenhouses, Rockville Center, N. Y.

Strong, field-grown smilax, \$3.00 100. Nathan Smith & Son, Adrian, Mich.

Smilax seedlings, 50 cents per 100. S. S. Pennock, 1812 Ludlow St., Philadelphia.

Smilax, 500 2-in., \$1.50 100. Crabb & Hunter, Grand Rapids, Mich.

Smilax, \$2.00 100. R. Vincent, Jr. & Son, White Marsh, Md.

STEVIAS.

Stevias, strong, bushy plants, 6-in., \$12.50 1000. Bentzen Floral Co., 4025 Marcus Ave., St. Louis, Mo.

Stevia, 2½-in. pots, 2½c each; 4-in. pots, 6c each. Var. stevia, 3-in. pots, 5c. Cash.

M. F. La Roche, Collingdale, Pa.

Stevia, from 3½-in. pots, fine plants, \$4.00 100. Cash, please.

P. Planten, 15 Totowa Ave., Paterson, N. J.

SWAINSONAS.

Swainsona alba, 2½-in., \$2.00 100. R. Vincent, Jr. & Son, White Marsh, Md.

SULTANAS.

White sultana, Platypetala, flowers large, pure white, with red dot in the center. Now is the time to stock up for the coming season. IT SELLS. Strong plants, \$1.00 per doz.

N. O. CASWELL, Delavan, Ill.

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Sultana Platyapetala (Evening Star), white with red dot in center; good, strong plants, 75c per doz., \$5.00 per 100. Good seller for catalogue trade.
SCHMIDT & BOTLEY, Springfield, Ohio.

TAMARISKS.

Beautiful silver tamarisks, hardiest of all, very cheap. C. S. HARRISON, York, Neb.

UMBRELLA PLANTS.

Good, strong 2½-in. umbrella plants, \$2.00 per 100; 3½-in., \$5.00 per 100. Cash with order.
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Umbrella plants, strong, 4-in., \$7.00 100; 5-in., \$10.00 100. Bentzen Floral Co., 4025 Marcus Ave., St. Louis, Mo.

Umbrella plants. They will please you at 25c per doz., \$1.00 100, prepaid.
S. J. Galloway, Eaton, Ohio.

VEGETABLE PLANTS.

CABBAGE—Early and Late Flat Dutch, Savoy and other varieties, 25c per 100; \$1.00 per 1000.

CELERY—White Plume, Golden Heart, Giant Pascal and other varieties, 25c per 100; \$1.00 per 1000; \$8.50 per 10,000.

TOMATO—25c per 100; \$1.00 per 1000.
PARSLEY—25c per 100; \$1.25 per 1000.
Cash with order.

See our flower plant adv. in this issue.
R. VINCENT, JR. & SON, White Marsh, Md.

To close them out, 35,000 best transplanted celery, good size and well-hardened, at \$1.00 a 1000. The lot for \$25.00. Half of them at same rate. White Plume, G. Self-blanching, B. Market and G. Pascal. First come, first served.
R. Kilbourn, Clinton, N. Y.

Strong, stocky lettuce plants, ready for greenhouse. Grand Rapids; Simpson; Morse, new; Hittinger's Belmont; Rawson's Hot-house, new, and Tennis Ball, \$3.00 per 1000. Write for prices on large orders to
Frank Shearer & Son, Binghamton, N. Y.

LETTUCE PLANTS. Grand Rapids plants, stocky and well rooted, \$1.00 per 1000. Cash, please.
James A. Keeney, Box 402, Monongahela City, Pa.

VERBENAS.

Lemon verbenas, 2½-in., \$2.50 100.
R. Vincent, Jr. & Son, White Marsh, Md.

The Florists' Manual, by William Scott, is a whole Library on Commercial Floriculture.

VINCAS.

Vinca variegata, strong plants, 4-in., \$12.50; 6-in., \$20.00 100.
Bentzen Floral Co., 4025 Marcus Ave., St. Louis, Mo.

Vincas, 2000 strong, field-grown plants, ready for 4 and 5-in. pots, \$3.00 to \$4.00 100.
W. W. Coles, Kokomo, Ind.

Strong field-grown Vinca var. maj. for 4 to 6-in. pots, \$3.00 per 100. Cash.
Dann & Son, Westfield, N. Y.

Vinca variegata, field-grown, strong plants for 5-in., \$5.00 per 100. Cash.
Mercer Floral, 1200 E. Hamilton, Trenton, N. J.

Vinca var., field-grown, strong, bushy plants, \$5.00 100. Cash, please.
Godfrey Aschmann, 1012 Ontario St., Phila.

10,000 Vinca major, field-grown, \$1.50 per 100; \$10.00 per 1000.
James M. Lamb, Fayetteville, N. C.

MYRTLE, perfectly hardy. Strong rooted cuttings, 75c 100. S. J. Galloway, Eaton, Ohio.

100 var. vincas, strong, field-grown, at \$4.00. Cash.
F. J. Prouty, Spencer, Mass.

Vinca variegata, fine, bushy plants, \$4.00 per 100.
GOVE BROS., Bliddeford, Me.

Vinca variegata, field-grown, \$4.00 100. Cash.
Converse Greenhouses, Webster, Mass.

Vincas, 3 and 4-in. pots, 5c and 10c each.
D. S. Beach, Box 253, Bridgeport, Conn.

500 field-grown vincas, \$5.00 per 100.
H. Madsen, West Springfield, Mass.

Vincas, field-grown, strong, \$6.00 100.
W. G. Kroeber, Danbury, Conn.

Vinca major, 6-in., \$3.00 doz.
L. H. Foster, Dorchester, Mass.

VIOLETS.

2000 Farquhar violet plants from 3-in. pots, all sand-rooted, from clean stock, Feb. and March struck, strong rooted and fine foliage, \$2.75 per 100, \$25.00 per 1000. Cash with order.
A. J. Thompson, 757 Campbell Ave., West Haven, Conn.

Fancy violet stock, potted, set with buds. Imperial, Swanley White, Wales, Marie Louise, Farquhar, Campbell, Hardy English, from 3, 4 and 5-in. pots, \$4.00, \$5.00 and \$6.00 100.
D. S. Beach, Box 253, Bridgeport, Conn.

20,000 VIOLETS. Campbell, M. Louise, Farquhar, Swanley, 2½-in., fine, \$3.00 100, \$25.00 1000. California, from flats, \$1.50 100. All fit to bench and No. 1. Cash, please.

BENJ. CONNELL, West Grove, Pa.

Strong, clean, healthy Marie Louise violet plants, 2½-in. pots, at \$3.00 per 100; \$23.00 per 1000. Cash with order. Sample 10c.

Jacob K. Bahret, Violet Ave., Poughkeepsie, N. Y.

California violets, field-grown, \$3.00 per 100; 3-in. pots, \$2.00 per 100. Campbell, 2½-in. pots, \$2.50 per 100. All good stock ready for immediate planting.
Evergreen Lodge, Clarksville, Tenn.

12,000 violet plants, fine, healthy, field-grown clumps of The Farquhar, Marie Louise, Campbell and California, \$5.00 100; \$45.00 1000. Sample, 10c. Herman Bowman, White Plains, N. Y.

Violets Campbell, good, healthy, field-grown, from sand rooted cuttings. Medium plants, \$2.00 per 100; \$15.00 per 1000. Securely packed. Cash with order.
CHAS. BLACK, Hightstown, N. J.

Field-grown violets, fine, healthy clumps. Hardy English, \$6.00 100; Marie Louise and Campbell, \$4.00 100. Marie Louise, 2-in., \$2.00 100; 5-in., \$5.00 100. GEO. ENGEL, Xenia, O.

15,000 violet plants, strong, healthy, field-grown clumps of Marie Louise, Farquhar and Lady Campbell, \$5.00 per 100; \$45.00 per 1000.
Richard Langle, White Plains, N. Y.

Violets, Princess of Wales, strong plants, field-grown, \$8.00 100; California, \$6.00 100; Campbell, not so strong, \$3.00 100. Cash.
Converse Greenhouses, Webster, Mass.

Lady Campbell violet plants, strong field-grown clumps from sand struck cuttings, \$5.00 per 100; \$40.00 per 1000. Samples, 10c.
ALBERT H. BROWN CO., Westboro, Mass.

Marie Louise violet plants, clean, healthy stock, \$20.00 per 1000; also out of 2½-in. pots, \$30.00 per 1000. Cash with order.
C. F. Bahret, Poughkeepsie, N. Y.

Violets. Fine, strong clumps of Campbell, free from disease, \$5.00 100; \$40.00 1000. Prompt shipment; low express rates.
W. G. Kroeber, Danbury, Conn.

Violet clumps and the best field-grown Campbell, \$3.50 per 100. Swanley white, \$4.00 per 100. By the violet grower.
A. B. CAMPBELL, Cochranville, Pa.

Marie Louise violet plants, 2½-in. pots, \$2.50 per 100, \$20.00 per 1000. Good, healthy stock. Send 10c for sample.
J. Bennett, Blue Point, L. I., N. Y.

Marie Louise violets, strong, healthy plants, 3-in. pots, \$3.00 per 100. Cash, please.
Carl Petersen, Stryker Ave. and Annapolis St., St. Paul, Minn.

Violet plants, Marie Louise, clean, healthy, \$3.00 per 100. Cash with order.
Geo. B. Dehsinger, R. F. D. No. 1, Poughkeepsie, N. Y.

Princess of Wales violets, field-grown plants, at \$6.00 to \$10.00 per 100; \$60.00 to \$75.00 per 1000.
WM. SIM, Cliftondale, Mass.

Princess of Wales violets, strong field-grown, \$5.00 100. Nathan Smith & Son, Adrian, Mich.

Marie Louise violets, large field-grown clumps, 5c each. C. M. Hemala, L. B. 29, Buckley, Ill.

Farquhar and Imperial violets, 2½-in., \$4.00 100. Cash. Chas. H. Green, Spencer, Mass.

Princess of Wales violets, 2 and 2½-in., \$1.00 per 100. The Iola Greenhouses, Iola, Kan.

California violets, strong, field-grown plants, at \$4.00 per 100. F. Rentschler, Madison, Wis.

Violets, field-grown Marie Louise, \$5.00 100. Davis Bros., Morrison, Ill.

California violets, 3-in. \$2.50 100; \$20.00 1000. S. M. Harbison, Danville, Ky.

TO EXCHANGE.

To Exchange—300 fine, field-grown Clothilde Souper, 150 Sombreuil suitable for 5 to 7-in. pots, at 10c, and 1200 fine 3-in. Bridesmaid, at 3c, for Lorna, Queen Louise, Flora Hill or Glacier carnation plants. Samples exchanged.
Becker The Florist, Columbia, S. C.

To Exchange—Small ferns, in variety, out of 2 and 2½-in. at \$2.50 and \$3.00 per 100 for good 2½-in. stock of Chinese primulas, cinerarias, cyclamen or good varieties of geraniums.
Wagner Park Conservatories, Sydney, O.

To Exchange—California field-grown violets and Lady Hume Campbell from pots, for palms, ferns or anything we can use.
Evergreen Lodge, Clarksville, Tenn.

To Exchange—Tuberose and caladium bulbs for gladioli and narcissi.
H. E. Newbury Co., Magnolia, N. C.

WANTED.

Wanted—500 tomato plants for fruiting in greenhouse; 2½-in pot plants preferred. Mention price and variety.
Aaron Kelter, Parker Ford, Pa.

Wanted—Small field-grown carnations for mailing. Send sample, stating price and kinds.
The Fairview Floral Co., Beatty, Ohio.

Wanted—Price on 50 or more camellias, about 12 to 18 inches, in various colors.
W. S. Hall, Osage, Iowa.

Are you looking for someone who is looking for a bargain? You'll find him—by advertising that bargain in the Review's classified ads.

CUT FLOWER BOXES.

Hunt's LIBERTY Folding Boxes are PURE WHITE, almost waterproof and stronger than any other box on the market. Send for sample. Price no higher than the "cheap-looking" boxes usually sold.

E. H. HUNT, 76-78 Wabash Ave., Chicago.

CUT FLOWER BOXES, the best, strongest and neatest folding cut flower box made.
Livingston Seed Co., Box 104, Columbus, O.

Our box sells on its merits.
Send for sample.
C. C. POLLWORTH CO., Milwaukee, Wis.

Florists' Boxes. The J. W. Sefton Mfg. Co., 241-247 S. Jefferson St., Chicago.

DECORATIVE MATERIAL.

Stock from the Berkshire Hills. Hardy cut fancy and dagger ferns, sphagnum moss, laurel, bouquet evergreens, festooning, wreaths, spruce and hemlock boughs. Satisfaction guaranteed.
Write H. J. SMITH, Hinsdale, Mass.

Oldest dealer in the United States in hardy cut fancy and dagger ferns. Write for prices.
L. B. BRAGUE, Hinsdale, Mass.

Fancy and dagger ferns, laurel festooning, ground pine, sphagnum moss, etc.
Crowl Fern Co., Millington, Mass.

Fancy and dagger ferns, laurel festooning, leucothoe sprays, bouquet green, etc.
H. M. Robinson & Co., 11 Province St., Boston.

Leucothoe sprays, fancy ferns, green sheet moss, sphagnum moss, etc.
L. J. Kreshover, 110 W. 27th St., New York.

Fancy and dagger ferns, evergreens, etc. Good stock, low prices.
A. J. Fellouris, 468 Sixth Ave., New York.

Galax, ferns and leucothoe sprays are our specialties. N. Lecakes & Co., 53 W. 28th St., N. Y.

For southern wild smilax write
Caldwell The Woodsman Co., Evergreen, Ala.

EVERYTHING FOR FLORISTS.

Write for quotations on your wants to
E. F. WINTERSON CO.,
45, 47, 49 Wabash Ave., Chicago.

FERTILIZERS.

Pure pulverized sheep manure and unleached hardwood ashes. Send for sample and price.
J. L. Elliott, South Bethlehem, Pa.

FLORAL DESIGNS.

Wax Flowers and Wax Floral Designs.
J. Stern & Co., 1928 Germantown Ave., Phila.

GALAX LEAVES.

Galax leaves and leucothoe sprays. Quality guaranteed. Wholesale trade solicited.
A. J. Taylor, Montezuma, N. C.

Galax, bronze or green, and small green galax for violets.

L. J. Kreshover, 110 W. 27th St., New York.

Fresh, selected galax leaves. No trash.
Ed. S. Loven, Linville, N. C.

GALAX LEAVES. Bronze or green.

A. J. Fellouris, 468 Sixth Ave., New York.

GALAX LEAVES, green or bronze.

N. Lecakes & Co., 53 W. 28th St., New York.

GALAX LEAVES, green or bronze.

H. M. Robinson & Co., 11 Province St., Boston.

GREEN GALAX now ready.

Woodruff & Miles, Cherry Lane, N. C.

GLASS, ETC.

We make a special greenhouse putty. Price on application. Lord & Burham Co., Irvington-on-Hudson, N. Y.

French glass for direct shipment from abroad. Write for quotations.

Semon Bache & Co., 7, 9, 11 Laight St., N. Y.

Greenhouse glass, paint and putty are our specialties. Casper Limbach, Pittsburg, Pa.

Glass. Have 115 boxes 16-24 dbl. strength A. Write for prices. L. J. Stuppy, St. Joseph, Mo.

Greenhouse glass a specialty. Sprague, Smith Co., 205 Randolph St., Chicago.

Greenhouse glass and putty a specialty.
C. S. Weber & Co., 10 Desbrosses St., N. Y.

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GLAZING POINTS.

Siebert's zinc "Never-rust" glazing points. Sold by all seedsmen, or C. T. Siebert, Pittsburg, Pa.

The "Model" glazing point. Zinc. Practical. Durable.

Parker Bruen Mfg. Co., Harrison, N. J.

HOSE.

Bull-dog hose, 7 ply, guaranteed; 3/4-in., 16 ft. U. Cutler Ryerson, Newark, N. J.

Good Hose. J. G. & A. Esler, Saddle River, N. J.

INSECTICIDES.

Use SULPHO-TOBACCO SOAP and have clean, healthy plants. Sample free cake if you mention The Florists' Review.

LARKIN SOAP CO., Buffalo, N. Y.

Send for a 5-lb. trial pkg. of our TOBACCO POWDER. Our booklet tells of it. Write Dept. D for it.

H. A. Stoothoff Co., 116 West St., New York.

Rose Leaf Extract of Tobacco will save you money. For free booklet write KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Tobacco dust, fresh stock, \$1.75 100 lbs.; stems about 100-lb. bales, 1c per lb.

W. W. Barnard & Co., 161 Kinzie St., Chicago.

NICOTICIDE kills all greenhouse pests.

Sold by all seedsmen.

POTS.

Standard Pots. We are now ready to supply a superior quality of pots in unlimited quantities. Catalogues and price lists furnished on application.

A. H. Hews & Co., North Cambridge, Mass.

Standard Flower Pots. If your greenhouses are within 500 miles of the Capital, write us; we can save you money. W. H. Ernest, 28th and M Sts., N. E., Washington, D. C.

Flower Pots. Before buying write us for prices. Geo. Keller & Son, 361-363 Herndon St. (near Wrightwood Ave.), Chicago.

RED POTS. STANDARD SIZE.

SYRACUSE POTTERY CO., Syracuse, N. Y.

Those RED pots. The right kind.

C. C. POLLWORTH CO., Milwaukee, Wis.

Red pots. Write for prices and sample pot.

Colesburg Pottery Co., Colesburg, Iowa.

PAINT AND PUTTY.

TWEMLOW'S OLD ENGLISH GLAZING PUTTY. An old article when goods were made for quality, not cheapness. It lasts a lifetime and is the best article today for all greenhouse glazing. Makes a firm, lasting bed for glass, unaffected by heat or cold. No leaky sash-bars when this is used.

1-gallon can (16 lbs.).....\$1.25

5-gallon can 5.00

10-gallon can 12.00

20-gallon can 23.00

E. H. HUNT, 76-78 Wabash Ave., Chicago.

BUSINESS BRINGERS—

Review
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SPHAGNUM MOSS.

Sphagnum moss of first quality. Can ship at a moment's notice—2 bales, \$1.50; 40-bale lots, \$6.00. Z. K. JEWETT & CO., Sparta, Wis.

Sphagnum moss. Write for prices on large quantities. Crowl Fern Co., Millington, Mass.

Fresh 5-bbl. bale, \$1.25; 3 bales, \$3.25; 5 bales, \$5.00. H. R. Akers, Chatsworth, N. J.

Sphagnum moss, selected, 5-bbl. bale, \$2.25. U. Cutler Ryerson, Newark, N. J.

Sphagnum moss. Write for prices. H. M. Robinson & Co., 11 Province St., Boston.

TIN FOIL.

American brand FLORIST FOIL—The standard foil of America.

John J. Crooke Co., 155 Ave. D, New York.

TOOTHPICKS.

Wired toothpicks, 10,000, \$1.50; 50,000, \$6.25. Sample free. For sale by dealers.

W. J. COWEE, Berlin, N. Y.

Wired toothpicks, box of 10,000, \$1.50. W. W. Barnard & Co., 161 Kinzie St., Chicago.

WIRE SUPPORTS.

Model Extension carnation supports; also galvanized rose stakes and tying wires. Igoo Bros., 226 North 9th St., Brooklyn, N. Y.

Model Extension carnation supports and galvanized rose stakes. Parker Bruen Mfg. Co., 208 Jersey St., Harrison, N. J.

Excelsior carnation supports. In use 10 years. Write H. F. Littlefield, Worcester, Mass.

WIRE WORK.

Galvanized stakes. No. 9 straight wire. Per 1000: 3-ft., \$6.75; 3 1/2-ft., \$8.00; 4-ft., \$8.50; 5-ft., \$12.00. No less than 1000 sold. Write for prices on 10,000 and 50,000 lots.

W. W. Coles, Kokomo, Ind.

Galvanized wire plant stakes at rock-bottom prices. N. F. McCarthy & Co., 84 Hawley St., Boston, Mass.

We are the largest manufacturers of wire work in the west. E. F. Winterson Co., 45, 47, 49 Wabash Ave., Chicago.

We are manufacturers—no middleman's profits.

C. C. POLLWORTH CO., Milwaukee, Wis.

Emil Steffens, Manufacturer of Florists' Wire Designs. 335 East 21st St., New York.

Reed & Keller, 122 W. 25th St., New York. Manufacturers of Wire Designs.

E. H. Hunt, 76-78 Wabash Ave., Chicago.

BUSINESS BRINGERS—
REVIEW Classified Advs.

ORCHIDS AT ST. PAUL.

Dr. Rudolph Schiffmann, of St. Paul, is an amateur orchid collector who is fast drifting into the commercial end of the industry, having built up a larger stock than is desirable for merely enthusiastic reasons. At the time of my last visit he was potting a late importation of cattleyas from Brazil. A collection of phalaenopsis brought from the Philippines two years ago is said to be the largest in the United States, if not in the world. For a period of ten years and more he has been collecting rare varieties from all quarters of the globe, sparing neither time nor expense to secure the best and rarest. Hybridizing is carried on in a systematic manner, a correct record being kept of the date of fertilizing, the parent plants, the date the seed matures, the date it germinates, etc. If one out of fifty experiments along this line produces a promising variety he feels well repaid for his work. As it takes from six to eighteen months for the seed pod to develop and mature, and the same length of time for the seed to germinate after sowing, and the plant is two years old or older before blooming it is readily seen that the work is slow.

Dr. Schiffmann is very enthusiastic over his "pets," as he considers them, and in time hopes to have the finest collection in the world. Mr. Wharton, an English grower of wide experience, has charge of the plants, and rarely has a failure. Each year the weeding out process at this place puts a lot of good commercial varieties on the market at moderate prices. If an importation of 1,000 plants this year contains ten plants of an improved type the proprietor feels well repaid for his effort. X. Y. Z.

A SIGN THAT BRINGS BUSINESS.

The following is an extract from the Chicago Inter-Ocean of September 12:

In these days, when every one who can travels, when the wealthy Americans go to Europe to be married, just as the poorer Chicagoans go to St. Joseph, Mich., the merchants who furnish the matrimonial frills have found a way to extend their business even across the sea.

"Flowers delivered by telegraph in any part of Europe." Is a sign in a State street florist's window. And it is a sign that brings business. At a recent London wedding, in which a Chicagoan figured as one of the principals, a large box of flowers was received from several "friends at home." The flowers were delivered by a London florist as the result of an order called by the Chicago florist.

If a Chicagoan wishes to send a floral token to any social fete, to a son graduating from a German university, or to a funeral being held in Italy, all he has to do is to go to the florist in Chicago, pay for the bouquet and the cablegram, and before he can get back to his home on the North Side or in Evanston the flowers have been delivered on the other side of the Atlantic.

ST. PAUL.

Bright weather has succeeded rain and frost and the flowers are putting on renewed life and energy, and making up for lost time. Outside stock is about all gone. Roses are becoming more abundant and of better quality. A few carnations are being cut, and the first Fitzwygram mums were seen the past week. As usual, they sold very readily.

Firing has been a necessity, while mildew and black spot are prevalent.

L. L. May & Co.'s greenhouses are looking especially fine and in good shape at this time. All of the older houses have been renovated and repaired, while the entire range has been repainted inside and out. Beauties are in crop now. Liberties are old plants, which have sent up a very strong new growth. As grown here this is certainly a peerless variety. The new Ivory seems to verify all the good words said in its favor. The growth is strong, while its blooming qualities are just as good as the old Golden Gate. The carnations are strong and thrifty, though, but very few are showing bloom. Enchantress is the strongest growing variety and promises to sustain the reputation it made last season. It has always been a favorite on this market. One house is devoted to Adiantum cuneatum and kindred sorts. Other houses are devoted to the Boston fern and its improved form, Piersoni. Several houses are planted to chrysanthemums, which are followed by roses and spring bedding stock.

H. J. Puvogel has built one new house this summer, and rebuilt one of his old ones. His houses are located in the best residence district, where he enjoys a large trade in bedding plants. He grows carnations, violets, mums and roses during the winter. These are sold principally at wholesale. He also forces a large number of bulbs.

Chas. Vogt, who was injured in the tug of war at the picnic, has nearly recovered, and is able to attend to business.

Richard Alston, of Winnipeg, was a recent visitor. X. Y. Z.

CATALOGUES RECEIVED.

H. F. Michell Co., Philadelphia, Pa., bulbs, etc.; Wm. Elliott & Sons, New York, bulbs and hardy plants, etc.; C. S. Harrison, York, Neb., peonies; Philadelphia Lawn Mower Co., Philadelphia, lawn mowers; W. W. Barnard & Co., Chicago, bulbs, seeds and supplies; John Lewis Childs, Floral Park, N. Y., bulbs and plants; Sander & Sons, St. Albans, England, orchids; T. R. Watson, Plymouth, Mass., nursery stock; George Wittbold Co., Chicago, palms and ferns; Nathan Smith & Son, Adrian, Mich., hardy plants.

GLAZING.

We shall be pleased to see it stated what method of glazing is employed by the large growers around Chicago. Do they lay it lapped or butted?

G. H. M.

All the glass is lapped in the large ranges in the vicinity of Chicago.

WE HAVE been enjoying a good trade as a result of our ad in the REVIEW.—COTTAGE GREENHOUSES, Litchfield, Ill.

PLEASE MENTION THE REVIEW WHEN WRITING ANY OF THESE ADVERTISERS.

1903 FLORISTS' PEONIES 1903

FOR IMMEDIATE DELIVERY.

Upon completing the inventory of our Peonies for this season, we find that they have grown so well that we can offer the following additional list of plants. The plants are all strong, well grown, and in the best condition and can be shipped immediately. The earlier Peonies are planted in the Fall, the better will be the results for the coming season's growth.

100—No. 3—**QUEEN EMMA**.
Strong divisions, 3 to 5 eyes.....\$10.00 per 100
500—No. 4—**QUEEN VICTORIA** (or Whitley).
Strong, 3 to 5 eyes.....20.00 per 100
300—No. 137—**PRINCESS MATHILDA**.
Strong divisions, 3 to 5 eyes.... 12.00 per 100
300—No. 77—**EDULIS SUPERBA**.
Strong divisions, 3 to 5 eyes..... 8.00 per 100
200—No. 48—**LA TULIPE** (or Multicolor).
Strong divisions, 3 to 5 eyes.....50c each, \$5.00 per doz.
100—No. 300—**ROSEA SUPERBA**.
Strong divisions, 3 to 5 eyes.....50c each, \$5.00 per doz.
300—No. 270—**MARIE LEMOINE** (Calot).
Strong divisions, 3 to 5 eyes.....\$20.00 per 100
300—No. 259—**GRANDIFLORA RUBRA**.
Strong divisions, 3 to 5 eyes.....\$20.00 per 100
500—No. 283—**RICHARDSON'S RUBRA SUPERBA**.
1-year plants 30.00 per 100

1000—No. 6—**MT. BLANC**.
1-year-old plants, 6c ea., \$6 doz., \$50.00 per 100
200—No. 8—**DUKE OF WELLINGTON**.
Divided roots, 6c ea., \$6.00 doz., \$50.00 per 100
1000—No. 10—**FESTIVA MAXIMA**.
Strong 1-year-old plants, American grown.
Warranted the true, tall growing Maxima.
.....75c each, \$7.00 per doz., \$60.00 per 100
50—No. 71—**RUBRA TRIUMPHANS**.
Divided plants, 4-8 eyes..... 15.00 per 100
1000—No. 9—**PULCHERRIMA** (White).
Fine 2-year-old plants, 4-8 eyes.. 20.00 per 100
200—No. 267—**GOLDEN HARVEST**.
Heavy 1-year-old plants, 50c each, 5.00 per doz.
500—No. 200—**ACHILLEA**.
Strong 1-year-old plants..... 20.00 per 100
500—No. 9—**GIGANTHEA**. Best early pink peony.
1-yr.-old plants, 75c ea., \$7.00 doz., 60.00 per 100
1500—No. 200—**DOUBLE PINK**.
Variety of which we have lost the name.
4-8 eyes 10.00 per 100

200—No. 151—**BEAUTE FRANCAISE**.
1-year plants\$30.00 per 100
200—No. 280—**MONS. PAILLET**.
1-year plants 40.00 per 100
100—No. 278—**NE PLUS ULTRA**.
1-year plants 30.00 per 100
1000—No. 119—**MIXED VARIETIES**.
Containing many fine sorts in pink, white and red. 1-year plants.....\$8.00 per 100
800—No. 202—**GRANDIFLORUM ROSEUM** (or L. L. Pink).
Splendid cut-flower var., 4-6 eyes, \$15.00 per 100
1000—No. 11—**HUMEL**.
Strong 1-year plants..... 8.00 per 100
100—No. 117—**MME. FOREL**.
Late double pink, fine cut-flower variety.
3 to 5 eyes.....\$20.00 per 100
3000—No. 212—**OFFICINALIS ROSEA**.
4 to 8 eyes.....\$10.00 per 100, \$75.00 per 1000
2000—No. 208—**OFFICINALIS RUBRA**.
4 to 8 eyes.....\$10.00 per 100, \$75.00 per 1000

HARDY HERBACEOUS PLANTS

Are coming into more general use every year. They are particularly valuable for border planting, as well as for cutting, and a judicious selection of varieties will afford a rich display of color for the border, and a generous supply of blooms for table decoration from June till November frosts destroy all vegetation.

The strong clumps we offer are extra heavy and will produce maximum effects the season of planting.

Those varieties marked (*) are particularly suitable for cut blooms.

***ACHILLEA**, The Pearl.
Large Clumps 25c each, \$1.50 per 10
Strong Divisions 75c per doz., 5.00 per 100
ARMERIA MARITIMA.
Clumps 15c each, 1.00 per doz
Divisions 60c per doz., 4.00 per 100
***BOLTONIA ASTEROIDES**.
Heavy Clumps 30c each, 2.00 per 10
Divisions 6c per doz., 4.00 per 100
***BOLTONIA LATUSQUAMA**.
Strong Clumps 30c each, 2.00 per 10
Strong Divisions 6c per doz., 4.00 per 100
***BOLTONIA LATUSQUAMA NANA**.
Divisions 6c per doz., 4.00 per 100
***EUPATORIUM AGERATOIDES**.
Strong Clumps 25c each, 1.50 per 10
Strong Divisions 6c per doz., 4.00 per 100
***EUPATORIUM SEROTINUM**.
Strong Clumps 25c each, 1.50 per 10
Strong Divisions 6c per doz., 4.00 per 100
***DELPHINIUM FORMOSUM**. Celestial blue.
Strong plants 30c each, 2.00 per 10
***GYPHOPHILA PANICULATA**.
Strong Clumps 25c each, 1.50 per 10
Strong Divisions 6c per doz., 4.00 per 100
***HELIANTHUS MAXIMILIANI**.
Strong Clumps 25c each, 1.50 per 10
Strong Divisions 6c per doz., 4.00 per 100
***HELIANTHUS MULTIFLORA MAXIMA**.
Strong Clumps 25c each, 1.50 per 10
Strong Divisions 6c per doz., 4.00 per 100
***HELIANTHUS ORYALIS**.
Strong Clumps 25c each, 1.50 per 10
Strong Divisions 6c per doz., 4.00 per 100
***HELIANTHUS RIGIDUS**.
Strong Clumps 25c each, 1.50 per 10
Strong Divisions 6c per doz., 4.00 per 100
***HELIOPSIS PITCHERIANA**.
Strong Clumps 25c each, 1.50 per 10
Strong Divisions 6c per doz., 4.00 per 100
***HELIOPSIS AUTUMNALE SUPERBUM**.
Strong Clumps 25c each, 1.50 per 10
Strong Divisions 6c per doz., 4.00 per 100
***HELIOPSIS GRANDICEPHALUM STRIATUM**.
Strong Clumps 25c each, 1.50 per 10
Strong Divisions 6c per doz., 4.00 per 100
HEUCHERA SANGUINEA.
Strong Clumps 25c each, 1.50 per 10
Strong Divisions 75c per doz., 5.00 per 100
***IBERIS SEMPERVIRENS** (Perennial Candy-tuft).
Strong Clumps 25c each, 1.50 per doz
Strong Divisions 6c per doz., 4.00 per 100
***IRIS MME. CLURFAUX**.
Strong Clumps 20c each, \$1.25 per 10, \$10.00 per 100
Strong Divisions 60c per doz., \$3.50 per 100, \$25.00 per 1000

LIATRIS SPICATA.
Strong Clumps 25c each, \$1.50 per 10
Strong Divisions 75c per doz., 5.00 per 100
***LYTHRUM ROSEUM SUPERBUM**.
Strong Clumps 25c each, 1.50 per 10
Strong Divisions 75c per doz., 5.00 per 100
***MONARDA DIDYMA SPLENDENS**.
Strong Clumps 30c each, 2.00 per 10
Strong Divisions 75c per doz., 5.00 per 100
***MYOSOTIS PALUSTRIS** (Forget-me-not).
Strong Clumps 25c each, 1.50 per 10
Strong Divisions 75c per doz., 5.00 per 100
***PARDANTHUS**.
Strong Divisions 75c per doz., 6.00 per 100
***PENTSTEMON BARBATUS TORREYI**.
Strong Clumps 25c each, 1.50 per 10
Strong Divisions 6c per doz., 4.00 per 100
***PHYSOSTEGIA VIRGINICA**.
Strong Clumps 25c each, 1.50 per 10
Strong Divisions 75c per doz., 5.00 per 100
***PHYSOSTEGIA VIRGINICA ALBA**.
Strong Clumps 25c each, 1.50 per 10
Strong Divisions 6c per doz., 4.00 per 100
PLUMBAGO LARPENTAE.
Strong Clumps 25c each, 2.00 per 10
Strong Divisions 75c per doz., 6.00 per 100
***RANUNCULUS**.
Strong Clumps 15c each, 1.00 per 10
Strong Divisions 6c per doz., 4.00 per 100
***RUDBECKIA GOLDEN GLOW** (Lacinata).
Strong Clumps 25c each, 1.50 per 10
Strong Divisions 6c per doz., 4.00 per 100
***RUDBECKIA MAXIMA**.
Strong Clumps 30c each, 2.00 per 10
Strong Divisions 10.00 per 100
***RUDBECKIA NEWMANNI**.
(The best Autumn blooming yellow flower for cutting or massing.)
Strong Clumps 25c each, 2.00 per 10
Strong Divisions 75c per doz., 5.00 per 100
RUSCUS RACEMOSUS.
(Hardy, bushy smilax-like plant covered with red berries in fall.)
Strong Clumps 35c each, 3.00 per doz
***SEDUM SPECTABILIS**.
Extra Strong Clumps, 50c each, 3.50 per 10
Ex. Strong Divisions, 75c per doz., 6.00 per 100
SEDUM MAXIMUM ATROPURPUREUM.
Strong Divisions 75c per doz., 6.00 per 100
***SALVIA AZUREA** (beautiful sky-blue flower).
Strong Clumps 25c each, 2.00 per 10
Strong Divisions 6c per doz., 4.00 per 100
SPIRAEA SUPERBA.
Strong Clumps 30c each, 2.00 per 10
Strong Divisions 75c per doz., 6.00 per 100
SPIRAEA VENUSTA.
Strong Clumps 30c each, 2.00 per 10
Strong Divisions 75c per doz., 6.00 per 100

ORNAMENTAL GRASSES.

EULALIA ZEBRINA.
Foliage bright green with transverse bands of greenish yellow.
Massive Clumps \$1.00 each
Strong Divisions 75c per doz., \$6.00 per 100
EULALIA GRACILLIMA UNIVITTATA.
Delicate, narrow, graceful foliage, the finest of all the Eulalias.
Massive Clumps \$1.25 each, \$12.00 per 10
Strong Divisions 75c each, 6.00 per 100
AMPELOPSIS VEITCHII (Boston Ivy).
1-year-old plants... 75c per doz., 6.00 per 100

HARDY PHLOX.

Strong, field-grown, one-year-old plants.

Mary Stuart, Earliest White.....\$5.00 per 100
Princess Louise, Second Early White 5.00 per 100
Brilliant, Bright Red 6.00 per 100
Coquilloct, the most brilliant colored
Phlox in existence15.00 per 100
Luminaire, Bright Pink 6.00 per 100
Montagnard, Deep, Brilliant Purple,
Grand 8.00 per 100
Esclarmonde 6.00 per 100
L'Esperance 6.00 per 100
Eclaircur 8.00 per 100
Lothaire 6.00 per 100

HARDY AZALEAS.

The most useful of our spring flowering shrubs, many of the varieties having persistent ever-green foliage. The newer Japanese varieties, such as Amoena and Hinondigire, are very hardy, and especially valuable in edging beds of Rhododendrons, as they are densely covered with brilliant-colored flowers during the month of May and the early part of June. They are also valuable for forcing, particularly the new variety, Hinondigire. Of this we have a splendid stock of fine plants which have been grown upon our premises, transplanted a number of times, and perfectly hardened to our climate.

AZALEA AMOENA.
(Largest stock of large plants in the country.)
16 in. in diameter.....\$1.50 each, \$12.50 per 10
18 " " 1.75 each, 15.00 per 10
20 " " 2.00 each, 20.00 per 10
24 " " 2.50 each, 25.00 per 10

AZALEA HINONDIGIRE.
(Largest stock in the world.)
12 to 16 in. high by 14 to 16 in. diameter... \$1.50 to \$2.00 each
18 to 20 in. high by 18 to 20 in. diameter... \$2.50 to \$4.00 each
24 to 26 in. high by 24 to 30 in. diameter... \$4.50 to \$6.00 each

AZALEA FUGIMANGO.
14 to 16 in. high by 12 in. diameter..... \$0.75 to \$1.00 each
18 to 24 in. high by 18 in. diameter..... \$1.25 to \$2.50 each

AZALEA OMURASAKA.
16 in. high by 16 in. diameter, 40c ea., \$3.00 per 10
24 in. high by 24 in. diameter, 75c ea., 6.00 per 10

AZALEA LEDERER NARCISSIFOLIUM.
(1000 new plants to select from.)
16 in. high by 16 in. diam. \$1.00 ea., \$ 7.50 per 10
18 in. high by 18 in. diam. 1.50 ea., 12.50 per 10
20 in. high by 20 in. diam. 2.00 ea., 17.50 per 10
24 in. high by 24 in. diam.....\$2.50 to \$3.00 each

BEGONIA GLOIRE DE LORRAINE.

Extra Heavy, Well-Established Plants.

From 2 1/2-in. pots.....\$15.00 per 100
From 3-in. pots..... 17.50 per 100

READY NOW.

All the above are ready for immediate shipment and should be planted by October 1 in order to get the best results.

Send for our Price List of Specimen Trees and Shrubs which will be issued on October 1.

THE COTTAGE GARDENS, Queens, Long Island.

REMEMBER YOU CAN SAVE 5 PER CENT BY SENDING CASH WITH YOUR ORDER.

ELMIRA, N. Y.

Dale Estate May Locate Here.

What is looked upon by the local craftsmen as a Canadian invasion, in the line of cut flower raising, is the rumored location of our neighbors from Brampton upon a tract of land not far from this city, comprising sixty-two acres, part of which will be covered with a million feet of glass. At the time of my visit negotiations were about completed and unless Dame Rumor has made a big mistake we shall soon look upon a mammoth plant, equaled only by Peter Reinberg. The local craft looks favorably upon the scheme and hopes to get good roses in a locality where the sun shines on an average one day in seven.

Grove P. Rawson is as strong as ever on chrysanthemums. The damp, dull summer has caused them to run to leg more than usual.

H. N. Hoffman makes a specialty of violets and carnations. Estelle, White Cloud, Lawson and Queen Louise are leaders. Stock looks fine.

John Rudy, at the J. Sloate Fassett greenhouses, has a very promising lot of seedling carnations, No. 22, a beautiful soft pink, and No. 23, a clear white, being the best of the group.

Higgins & Son is the name of a new retail house that has started up with good prospects. M.

ITHACA, N. Y.—John Foote's personal property has been levied on to satisfy a judgment for \$144 in favor of the coal dealer, and there are claims, including a mortgage on the real estate.

HUNTINGTON, L. I.—The Huntington Horticultural Society will hold its first annual fall exhibition October 7. Nicholas Hallock, of Queens, and C. L. Allen, of Floral Park, will be the judges.

FIELD-GROWN VIOLETS

FINE, HEALTHY CLUMPS.

Hardy English.....\$6.00 per 100
Marie Louise and Campbell..... 4.00
..... 5-inch pots..... 5.00
..... 2-inch pots..... 2.00

GEO. ENGEL, Xenia, Ohio.

Mention the Review when you write.

Bouvardia

Pink, White.

Strong Plants from Field\$8.00 a 100
Less than 50, 10c each. Cash with order, please.

CHARLES E. MEEHAN
Slocum and Musgrove Sts.,
GERMANTOWN, PA.

Mention the Review when you write.

ARAUCARIA EXCELSA

2-inch pots, two tiers, \$16.00 per 100.

Araucaria Imbricata

2½-inch pots, strong plants, \$10 per 100.

F. LUDEMANN,

3041 Baker St., SAN FRANCISCO, CAL.

Mention The Review when you write.

SURPLUS STOCK.

Quality First-Class.

2200 3½-inch Maids, \$35.00 per 1000.
8500 2½-inch Mums, 20.00 per 1000, including
Chadwick, Golden Wedding, Appleton, Wil-
lowbrook, Kalb and many others.

Liger, Richardson, 2½-in., strong, \$15.00 per 100.

POEHLMANN BROS. CO., Morton Grove, Ill.

Mention the Review when you write.

FIELD-GROWN CARNATION PLANTS

Our plants are in fine condition and free from rust and stem-rot.

SEND YOUR LIST FOR PRICES.

J. L. DILLON, - - Bloomsburg, Pa.

Mention Review when you write.

CARNATIONS!

STRONG, HEALTHY PLANTS.

**HILL, MORNING GLORY,
GOMEZ, CRANE,
AMERICA, MARQUIS,
JOOST.**

\$3.00 to \$5.00 per 100; \$25.00 to \$40.00
per 1000; according to size.

W. H. WATSON, SON & CO.
LAPEER, MICH.

Mention the Review when you write.

Carnation Plants...

FIELD-GROWN, STRONG, HEALTHY STOCK.

400 Prosperity, extra
strong healthy plants,
field-grown.....\$7.00 per 100

HARDY ENGLISH IVY, strong, 3-in. pots,
\$5.00 per 100; \$40.00 per 1000.

**I. H. MOSS, Govanstown,
Baltimore, Md.**

Mention The Review when you write.

Carnations...

Extra strong field plants of **Fair Maid**, \$6.00
per 100; \$50.00 per 1000. **Challenge Red**, \$5.00
per 100; \$40.00 per 1000. **Cresbrook**, medium
sized plants, \$5.00 per 100; \$40.00 per 1000.

C. WARBURTON, Fall River, Mass.

Mention the Review when you write.

NEW LOUISE CARNATION NAUMANN

See Convention Number of The Florists'
Review, page 517. Orders booked now
for January delivery \$1.25 per dozen;
\$8.00 per hundred; \$70.00 per thousand.

**G. M. NAUMANN, 1537 Doan Street,
Cleveland, Ohio.**

Mention the Review when you write.

Carnations....

Field-Grown Plants.

Write for Varieties and Prices.

H. WEBER & SONS, Oakland, Md.

Mention the Review when you write.

Ferns.

Alsophila Australis, Specimens in 11-inch pots, 4 feet
tall and broad, \$3.00 each.

Bostonensis and Davall-
holdes Furcans, from pots, 4-inch, \$2.50;
5-in., \$4.00; 6-inch, \$6.00 per doz.

Lomaria Gibbs, 4-in., \$1.75; 5-in., \$3.50; 6-in.
\$4.50 per doz. 5 per cent. discount for cash
with order.

N. STUDER, ANACOSTIA, D. C.

Always mention the Florists' Review when
writing advertisers.

Do Not Delay

TO PROCURE YOUR CHRISTMAS STOCK OF

PRIMROSES

Repot now for best results.

CHINESE (Single), we offer the very best selected European strains. Fine plants from 2½-inch pots, in white, light pink and red, \$3.00 per 100. The same from 3 inch pots, ready to shift, \$5.00 per 100.

FORRESI (Baby Primrose), from 3-inch pots \$4.00 per 100.

OBCONICA, from select imported seed. Thrifty 2½-inch pot plants, \$3.00 per 100.

ADIANTUM CAPILLUS VENERIS, strong, bushy plants from 2½-inch pots, \$4.00 per 100.

SWEET ALYSSUM (Double), strong plants, from 2½-inch pots, \$3.00 per 100.

CARNATION G. H. CRANE, large, well branched plants of this variety \$6.00 per 100.

Send for fall trade list of other seasonable stock

Nathan Smith & Son, Adrian, Mich.

Mention the Review when you write.

To Exchange

Small ferns in variety out of 2 and 2½-inch pots. Stock is first-class. Price \$2.50 and \$3.00 per 100. Will exchange for good 2½-inch stock Chinese primula, cineraria, cyclamen, or good varieties of geraniums.

Wagner Park Conservatories, Sidney, Ohio.

Miscellaneous Greenhouse Stock

Acalypha Macafeana.....\$3.50
Strobilanthes Dyerianus, 75 cts. per doz. 5.00
Abutilons in var., \$20.00 per 1000..... 2.50
Pompon Chrysanthemums, 50 var., \$17.50
per 1000..... 2.00
Coleus, in var., \$17.50 per 1000..... 2.00
..... 2½-in. pots, per 100
Fuchsias, in variety.....\$2.50
Hardy English Ivy, extra strong..... 2.00
Lemon Verbena..... 2.50
Sedum variegata..... 2.00
Smilax..... 2.00
Swainsona Alba..... 2.00
(Rooted Cuttings of Hardy English
Ivy, 75c per 100; \$5.00 per 1000.)
Send for trade list. Cash with order.

R. VINCENT, Jr. & SON, White Marsh, Md.

Mention the Review when you write.

20,000 SMILAX.

A-No. 1 stock, from 2-inch pots, at \$1.00 per 100; \$8.00 per 1000; 250 at 1000 rate. We want you to plant our Smilax this year.

Asparagus Sprengeri, 2-inch, \$1.50 a 100

E. I. RAWLINGS, Quakertown, Pa.

Mention the Review when you write.

CARNATIONS

F. DORNER & SONS CO., LaFayette, Ind.

Mention the Review when you write.

LINCOLN, NEB.

The floral display at the state fair this season, while perhaps not so large as some years, was of fine quality and filled every inch of the space provided. Frey & Frey, of Lincoln; W. J. Hesser, of Plattsmouth; Dole & Sons, of Beatrice, and C. H. Green, of Fremont, were represented by fine displays. In plants Frey & Frey were first, Green second and Hesser third; on general collection of palms, Frey & Frey, first, Green second and Hesser third; on collection of ferns, Green first, Frey & Frey second and Hesser third, with the lesser premiums pretty evenly distributed. In cut flowers Green was first and Frey & Frey second; on floral design Frey & Frey were first and Green second; on basket of flowers Green first, Frey & Frey second; on wreath Frey & Frey first, Green second. The lesser premiums were awarded principally to Frey & Frey, with Green second.

Prof. E. H. Barbour staged a very interesting collection of canna blooms that attracted considerable attention. Mrs. H. T. Whitlock was represented in the amateur class by a modest display. The awards were placed by F. C. Cross, superintendent of greenhouses and grounds at the state asylum, and his work demonstrated that he was the right man in the right place and, for perhaps the first time in the history of the society, everyone was satisfied.

C. H. G.

REMSSEN, N. Y.—Edward S. Pirnie has started in business with a house 20x100, and an annex 12x30. He will grow carnations exclusively and the stock looks good. Mr. Pirnie is also postmaster and justice of the peace.

LONG ISLAND CITY, N. Y.—The greenhouses of John Cassidy & Sons were damaged to the extent of \$3,000 by fire September 12.

FIELD-GROWN CARNATIONS!

NICE, CLEAN, HEALTHY STOCK.

	Per 100	Per 1000
White Cloud	\$5.00	\$40.00
Evanston	4.00	35.00
Scott	3.50	30.00
Portia	3.50	30.00

Write quick if you want these.

JOHN MUNO,
51 Wabash Ave., CHICAGO.
Mention Review when you write

Carnations for Sale.

Flora Hill, Freedom, Gomez, Marquis, Bon Ton, Scott, Bratt, Gov. Roosevelt, Joost, Daybreak, \$5.00 per 100.

VIOLETS—Farquhar and Imperial, 2½-inch pots, \$1.00 per 100. Cash with order.

CHARLES H. GREEN, Spencer, Mass.
Mention the Review when you write.

ROSES.

100 4-inch Am. Beauty	\$10.00 per 100
500 3-inch Ivory	3.00 "
1500 Sprenger, 2-inch	\$20.00 per 1000
500 Smilax, 2½-inch	\$1.50 per 100

Carnations—Write for list and prices.

Crabb & Hunter, Grand Rapids, Mich.
Mention the Review when you write.

80,000 FIELD-GROWN

Carnation Plants

	Per 100	Per 1000
Flora Hill	\$5.00	\$40.00
White Cloud	5.00	40.00
Queen Louise	5.00	40.00
Norway	4.00	35.00
Guardian Angel	4.00	35.00
Joost	3.00	25.00
Marquis	3.00	25.00
Genevieve Lord	3.00	25.00
Triumph	4.00	35.00

The large surplus of plants which we have left enables us to select the very best stock there is to be had. Order at once and get first choice.

GEORGE REINBERG,
51 Wabash Ave., CHICAGO.

Mention the Review when you write.

Field-Grown Carnation Plants

STRONG and HEALTHY.

1000 HILL	\$6.00 per 100
800 PORTIA	6.00 "
500 DEAN	6.00 "
1000 SCOTT	5.00 "
150 LORD	6.00 "
100 AMERICA	6.00 "
4000 JOOST	5.00 "

Pink and White Bouvardia in hundred lots; \$8.00 per 100; less than 100 lots, \$10.00 per 100.
Field-grown Smilax plants, \$3.00 per 100; \$25.00 per 1000.

LEO NIESSEN,

WHOLESALE FLORIST,

1217 Arch St., PHILADELPHIA, PA.

Mention the Review when you write.

Carnations

Strong, Field-Grown Plants.

Goodenough, White, \$5.00 per 100
Joost, Pink, - - 5.00 "

Cash with order from unknown parties.

SIDNEY LITTLEFIELD,

NORTH ABINGTON, MASS.

Mention the Review when you write.

WELL GROWN

Sprenger Plants.

For 3 in. pots.....\$2.50 per 100; \$20.00 per 1000
Seedlings......75 5.00

SAMUEL S. PENNOCK,

1612 Ludlow Street,

Philadelphia, Pa.

Mention the Review when you write.

Have yet on hand for sale strong, healthy, field-grown

CarnationPlants

as follows:

3000 McGowan	\$3.00 per 100
250 Cressbrook	5.00 "
150 Genevieve Lord	3.00 "
500 Admiral Cervera	5.00 "

FRANK H. KIMBERLY,

NEW HAVEN, CONN.

Mention the Review when you write.

FIELD-GROWN

Carnation Plants.

CLEAN, STRONG AND BUSHY.

	Per 100	Per 1000
AMERICA	\$4.00	\$35.00
GOMEZ	4.00	35.00
FRANCES JOOST	3.00	25.00
SCOTT	3.00	25.00

ALFRED B. EVERETT,

(Formerly Harm's Park Floral Co.)

BERTEAU and NORTH OAKLEY AVENUES, CHICAGO.

Mention the Review when you write.

Commercial Violet Culture.

BY B. T. GALLOWAY.

This is the Second Edition of this very successful book revised and brought up to date.

Fully illustrated and handsomely printed.

Sent postpaid on receipt of \$1.50.

FLORISTS' PUBLISHING CO.

520 Caxton Building,
334 Dearborn St.,

Chicago.

Mention Review when you write.

JAMES KING NURSERY ELMHURST, ILL.

PEONIES for Early Planting.

This list comprises our choice selection of named sorts. We have a good many thousand and can supply many leading sorts in quantity, while others we can at present only offer per dozen. Rates per 1000 on application. Strong plants of two to three eyes each

- Alba Plena—White with lemon center. A choice variety. per doz., \$2.50; per 100, \$5.00.
- Baron Roth-child—Guard petals clear pink, salmon center, per doz., \$2.00; per 100, \$12.00
- Delicatisima—Delicate pink, circled with buff, very large, strong habit, per doz., \$5.00; per 100, \$25.00.
- Festiva—Pure white, flaked carmine at center, per doz., \$1.00; per 100, \$65.00.
- Globosa—Brilliant rose with salmon center, per doz., \$2.00; per 100, \$12.00.
- Hamel—Solid pink, very large and late, per doz., \$2.00; per 100, \$12.00.
- Lord Beaconsfield—Deep solid pink, late bloomer, per doz., \$2.00; per 100, \$12.00.
- Rosa Superba—Guard petals and metaloids, bright rose with a circle of salmon pink, very full and large, per doz., \$5.00; per 100, \$25.00.

- Queen Victoria—Guard petals bluish white, with flesh tinted center, large full petaled flower, per doz., \$4.00; per 100, \$20.00.
- Mme. Le Moine—Delicate flesh white, large, full bloom, per doz., \$3.00; per 100, \$17.50.
- Ne Plus Ultra—Solid bright pink, very double, per doz., \$2.50; per 100, \$5.00.
- Officinalis Rubra Plena—Deep crimson, very early, per doz., \$1.50; per 100, \$0.00.
- Washington—Nearly solid shade of delicate pink, very early, per doz., \$2.50; per 100, \$15.00.
- Whitley—Large full white, creamy center, per doz., \$3.00; per 100, \$17.50.

CHOICE NAMED HARDY PHLOX.

We offer for early planting the following list, which is the result of several years' careful selection with all inferior sorts rejected. They can be moved now and with early planting they give the best results next season.

The leading sorts in Scarlet, Salmon, Pink and Whites we can furnish by the 1000 and quote a low rate of \$65.00 per 1000; \$8.00 per 100, assorted.

- Anrore Boreale—Salmon rose, crimson eye, tall.

- Amor—Carmine rose, large flower, starry white center.
- Boule De Feu—Salmon scarlet, dark eye, dwarf.
- Beranger—Delicate grayish pink, fine form, dwarf.
- Brilliant—Firey red, overlaid salmon, large truss.
- Duguesclin—Bluish violet, shading into white, dwarf.
- Diplomatte—White, large crimson violet center, tall.
- Eclairer—Deep carmine, rosy salmon center, dwarf.
- Gloria—Violet with crimson violet eye, fine form, dwarf.
- La Neige—Pure white, fine large flower, medium height.
- Mme. Pape Carpenter—Clear white, very dwarf.
- Princess Louise—White with very small eye, dwarf.
- Queen—Pure white, compact habit and large, full truss.
- Richard Wallace—White, large crimson eye, tall.

Also a full line of SHADE TREES, FLOWERING SHRUBS and PERENNIALS.

FIELD-GROWN Carnation Plants.

It has been a good growing season and plants are in fine shape, strong and bushy.

	Per 100	Per 1000
Guardian Angel	\$4.00	\$35.00
America	5.00	40.00
Genevieve Lord	3.00	25.00
Triumph	4.00	35.00
G. H. Crane	5.00	40.00
Mrs. Potter Palmer	4.00	35.00
Dorothy	6.00	50.00
Mrs. Nelson	6.00	50.00
Marquis	5.00	40.00
Cressbrook	5.00	40.00
Norway	5.00	40.00
Gaiety	5.00	

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

Peter Reinberg 51 Wabash Ave., CHICAGO.

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ROSES.	ROSES.	Per 100	1000
Brides, Ivory, Gates, Meteor.	3-in.	\$4.00	\$35.00
Brides, Maids, Ivory, Gates.	2½-in.	2.50	20.00
Splendid strong plants in finest possible shape to plant. We know they will give great satisfaction. CARNATIONS—Mrs Joost, Triumph, Higinbotham, Armazindy, Bon Homme, Bradt, \$5.00 per 100. Cressbrook, \$6.00 per 100. Good, strong field plants. Special Offer—200 Roses, 3-in., for \$7.00, or 2½-in., for \$4.00.			

W. H. GULLETT & SONS, LINCOLN, ILL. Mention Review when you write.

Carnations-A Snap!

White Cloud, Flora Hill, G. H. Crane, Gov. Roosevelt and Marquis, fine healthy plants. Packed light. Safe arrival and satisfaction guaranteed or your money back.

\$4.00 per 100. ORDER NOW. FRANK BERRY, Stillwater, Minn.

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1,000,000 Unrooted Cuttings Now Ready.

White.				Scarlet.			
	100	1000	5000		100	1000	5000
Queen Louise	\$0.75	\$ 7.00	\$ 30.00	Estelle	\$1.00	\$ 9.00	\$ 40.00
Flora Hill	.75	7.00	30.00	Mrs. Palmer	1.00	9.00	40.00
Norway	.75	7.00	30.00	Apollo	2.00	16.00	75.00
White Cloud	.75	7.00	30.00	Crimson.			
Alba	1.80	15.00	60.00	Harlowarden	2.50	22.00	100.00
Wolcott	1.80	15.00	60.00	Gov. Roosevelt	.75	7.00	30.00
Lillian Pond	3.00	25.00	115.00	Gen. Maceo	.75	7.00	30.00
Pink.				Gen. Gomez	.75	7.00	30.00
Lawson	.75	7.00	30.00	Harry Fenn	1.00	9.00	40.00
Marquis	.75	7.00	30.00	Yellow.			
Genevieve Lord	.75	7.00	30.00	Eldorado	.75	7.00	30.00
Argyle	.75	7.00	30.00	Gold Nugget	1.00	9.00	40.00
Mermaid	.75	7.00	30.00	Golden Beauty	1.50	14.00	65.00
Guardian Angel	.75	7.00	30.00	Variegated.			
Cressbrook	1.25	10.00	45.00	Violania	6.00	50.00	225.00
Higinbotham	1.25	10.00	45.00	M. Field	2.50	22.00	100.00
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Success	2.50	22.00	100.00	Stella	1.50	14.00	60.00
Scarlet.				Bradt	1.00	9.00	40.00
Crane	.75	7.00	30.00	Armazindy	.75	7.00	30.00
America	.75	7.00	30.00				

Prepaid to your city at above Spot Cash Prices.

California Carnation Co., L. Box 103, Loomis, Cal. Mention Review when you write.

Winter Flowering Roses.

Fine healthy stock from selected cuttings. Sunrise, American Beauty, La France, 3-in pots, \$7.00 per 100.

Brides, Maids, Golden Gates, Meteors, Safrano, Bon Silene, Mme. Hoste, Papa Gontier, 3-in. pots, \$5.00 per 100.

GRAFTED ROSES. Fine bushy plants in 3½ and 4-in. pots.

Liberty, Ivory, \$15.00 per 100. Brides, Maids, Golden Gates, Kaiserin, \$12.00 per 100.

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We Still Have

a fine lot of SMILAX left; strong plants from 2½-inch pots, ready for planting at \$1.00 per 100; \$8.00 per 1000.

Geraniums Jean Viaud (the pink novelty), Mme. Buchner (white), E. G. Hill and B. Poitevine (salmons); extra strong 2½-inch plants at \$1.50 per 100.

THE W. T. BUCKLEY PLANT CO. SPRINGFIELD, ILL.

Pierson Fern September Delivery

2½ and 2¾-in....\$25.00 per 100; \$112.50 per 500 Bostons, 2½-in. 5.00 per 100; 22.50 per 500 READY NOW—Maranta Makoyana, 3-inch, \$25.00 per 100.

CHAS. H. CAMPBELL, 3601 Germantown Ave., Philadelphia. Mention Review when you write.

CARNATIONS -- FIELD-GROWN. CLEAN PLANTS.

Glacier, Dorothy, D. Whitney, Higinbotham, P. Palmer, G. Lord, Crane, Marquis, Mrs. Wood, Joost, Norway, Crocker, Roosevelt, Alba, Estelle, \$5.00 per 100; 2nd size, \$3.00 per 100. Apollo, Prosperity, \$6.00 per 100. Roses, strong 3-inch pot plants, \$4.00 per 100. Ivory, Brides, Maids and Wootton, Boston Ferns, 3, 4 and 5 in. pots, \$10.00, \$15.00 and \$25.00 per 100. Rubber, top layers, 4-in., \$2.00 per doz.; 5-in., \$3.00 per doz. Smilax, 3-inch pots, strong, \$2.00 per 100. Farfugium grand., 4-inch pots, \$1.50 per doz. Aspidistras green foliage, 4-in. pots, \$1.50 per doz.; 5-in. pots, \$2.50 per doz. Aspidistras, variegated foliage, 4 in. pots, \$2.50 per doz.; 5-in. pots, \$3.50 per doz. Irish Junipers, extra fine, 3 to 4 ft., \$12.50 per 100. Not less than 25 plants at 100 rate. Terms Cash.

I can use in exchange—Cyclamen, Cineraria, Asparagus Plumosus, Hydrangeas, Primroses and Crimson Rambler rose plants.

JOSEPH HEINL, JACKSONVILLE, ILL.

THIS IS OUR OFFER.

Asparagus Sprengeri—2-in. \$2.00, 3-in. \$5.00, 4-in. \$8.00 per 100. Aspidistra Lurida—4-in. \$25.00 per 100. Good strong plants; worth every cent.

ADOLPH G. FEHR, Belleville Ill. Mention Review when you write.

This Offer Good for 4 WEEKS ONLY from Sept. 17th. Siebrecht & Son, New Rochelle, N. Y.

THE LEADING HORTICULTURAL ESTABLISHMENT OF AMERICA.



Send us \$25.00

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FOR YOUR FALL OPENING, consisting of

KENTIA BELMOREANA, FORSTERIANA, WEDDELIANA, PANDANUS VEITCHII, CROTONS,
LATANIAS, LIVISTONA ROTUNDIFOLIA, DRACENAS, 3 varieties; ARAUCARIAS and

PIERSONI Fern.

BEST VALUE EVER OFFERED TO THE TRADE. Freight paid within
100 miles of New York. Write or telegraph AT ONCE.

BOSTON.

Poor week; lots of poor material coming in and a fair supply of quite good material. Dealers claimed they could sell neither until the very last part of the week, when things brightened up wonderfully. The crop of outdoor lilies seems to be ended and other outdoor stock is in rather poor shape.

Jackson Dawson, who lost his wife only a few weeks ago, is bereaved again in the loss of his son, Charles, aged about 32 years. The young man has been well known in connection with the trade.

For curiosity drop into the old market room on Park street. If it does not well repay you it is my treat. It is the queerest mixture of old ideas and new ones I ever saw. The only new ideas, however, are the difference in goods now exhibited from what you have been accustomed to see, the new manager and the absence of the crowd and its cosmopolitan phases. All the fixtures remain unchanged and make fine display platforms for a high collection of antiquities. The proprietor makes no objection to your tour of inspection, but probably will not act as if he recognized that you ever had any particular importance in connection with the room. He may not think florists amount to much, anyway, you know.

Late improvements in some of the stores may be noted. Penn keeps up the general fine appearance of his Bromfield street place by generous use of white enamel paint, and Welch Bros. have given their ice chests a good overhauling. It looks like business all around now.

Timothy Waters has joined the selling force at Welch Bros. and is to represent that firm on the road. J. S. MANTER.

AURORA, ILL.—Mrs. W. L. Smith is visiting her daughter at White Plains, N. Y.

CANANDAIGUA, N. Y.—Fred C. Hawley has purchased an interest in the McKerr greenhouses and the firm will be known as McKerr & Hawley. A new house 30x85 will be built this fall.

JOLIET, ILL.—A preliminary premium list has been issued for the flower show to be given here November 4 to 7. The offers are liberal and the Joliet florists are barred from most of the cut flower classes. Copies of the list may be had by addressing Jas. H. Ferriss or any of the local florists. There are excellent railway facilities for putting exhibits and visitors on the scene without delay.

FERNS for DISHES.

Nice hardy plants, as follows: *Pteris Wimsettii*, *P. serrulata*, *P. serrulata cristata*, *P. Ouwardi*, *Aspidium taussimense* and *Cyrtomium falcatum*, \$3.00 per 100; \$25.00 per 1000.

ASPARAGUS PLUMOSUS TRUE NAMUS.

2-inch.....	\$0.50 per doz.	\$3.50 per 100	\$30.00 per 1000
3-inch.....	1.00	8.00	70.00

Order before freezing weather and save express charges.

Send for complete illustrated price list, mailed free.

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500,000 Herbaceous Plants

IN ALL THE LEADING VARIETIES at ridiculously Low Prices.

ASK FOR OUR SPECIAL OFFER.

BOBBINK & ATKINS, Rutherford, N. J.

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LOOK! Don't miss these BERRIED PLANTS FOR CHRISTMAS

Solanum Orlatum or Adam's Apple, large, bright red berries, 3-in. pots, 5c; 4-in. pots, 8c; 6-in. pots, 25c each.

Solanum Annuum or Celestial Peppers, 4-in. pots, 10c; 5-in. pots, 20c; 6-in. pots, 30c each.

Solanum Capsicastrum or Jerusalem Cherry, 3-in. pots, 5c. Field-grown for 4-in. pots, 6c; 5-in. pots, 10c; 6-in. pots, 20c. These plants are now making color on the berries. Is healthy, clean stock.

Stevia 2½-in. pots, 2½c; 4-in. pots, 6c. Strong plants, ready to ship.

Stevia Variegata, 3-inch pots, 5c.

Genista, large flowering variety, 3-in. pots, 5c. These are extra fine plants for the money.

Hydrangea Otaka, pink or blue, 3-in. pots, 5c; 4-in. pots, 8c. Field-grown, suitable for 5-in. pots, 12c; 6-in. pots, 20c; 8-in. pots, 30c. Cash. Satisfaction guaranteed.

M. F. LaROCHE, Collingdale, Pa.

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S. S. SKIDELSKY,

708 North 16th Street,

Philadelphia, Pa.

CORRESPONDENCE SOLICITED.

Cyclamen—Nothing but the best giganteum persicum, large flowered, 3-inch, ready for 4-inch, \$5.00 per 100; 4-in., \$10.00 per 100.

Asparagus Sprengeri—From flats, ready for potting up, \$1.00 per 100; \$6.00 per 1000. 5000 for \$25.00. 2½-inch, \$1.50 per 100; \$12.50 per 1000.

Primroses, Chinese and Obconica, \$2.00 per 100; 300 for \$5.00.

Mammoth Begonias, in flower, 4-in., \$3, 100. *Primula Forbesi*—Baby primroses, 2½-in., \$1.50 per 100; 400 for \$5.00.

SAMUEL WHITTON, 13-17 Gray Ave., UTICA, N. Y.

Beach the Florist Leads Why not buy Direct? "ECLIPSES THEM ALL."

Beach's Ponderosa Pansy—Stock limited; will plant nearly an acre, absolutely for seed, next year; no oz.'s for sale; (1) pkt. \$1.00, 10 plants \$1.00; delivery Sept. 15 and thereafter; orders booked now; every up-to-date florist should have them as this valuable strain pleases the public and there is money in it for every florist. *Roses*—For fall and winter blooming, set with buds; *Perles*, *Meteors*, *Maids*, *Brides* and *Gates*, two years old, from 3 and 4 in. pots that retail quickly at 35c to 50c each, also on their own roots, at 6c and 8c each. *Leading Mums*—In pots, 4, 5 and 6-in., 15c, 25c and 50c each. Fall and winter stock for cuttings from 3, 4 and 5-in. pots, at \$5.00, \$10.00 and \$15.00 per 100.

Geraniums—Pink, white, red and scarlet, single and double. *Vincas*—3 and 4-in. pots, 5c and 10c each. *English Ivy*—3 and 4-inch pots, 5c and 10c each. *Fuchsias*—3 and 4-in. pots, pink, white and dark blue, 8c, 10c and 15c each. *Sweet Scented Geraniums*—3 and 4-in. pots, 8c and 10c each. *Coleus*—3 and 4-in. pots, fancy, 8c and 10c each. *Hydrangeas*—3 and 4-in. pots, 10c and 25c each. *Hibiscus*—3 and 4-in. pots, 15c and 25c each. *Boston Ferns*—20c, 40c and 75c each. *Palms*—20c, 50c, 75c and \$1.00 each. *Fancy Violet Stock*—Potted, set with buds, *Imperial*, *Swanley White*, *Wales*, *Marie Louise*, *Farquhar*, *Campbell*, *Hardy English*, from 3, 4 and 5-in. pots, at \$1.00, \$5.00 and \$6.00 per 100. Choice Carnations on application.

David S. Beach, Box 253, Bridgeport, Conn.

STORE: 36 Post Office Arcade. GREENHOUSES: 282 Park Avenue.

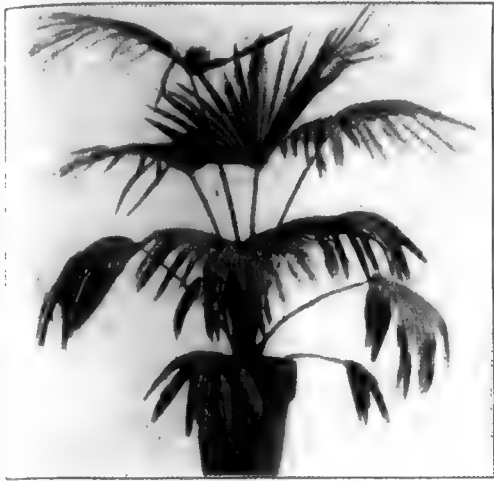
1000 Poinsettia

1-year-old, 4-inch, \$12.00 per 100.

Asplenium Tenuensis,

1000, \$4.00 per 100.

JOHN BREITMEYER'S SONS,
Detroit, Mich.



BARGAINS IN PALMS

We have a quantity of large and medium sized stock for decorative purposes. Must have room.

LET US MAKE YOU PRICES.

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Phalaenopsis in Varieties.

To make room for additional importations, I offer fine established, well leaved

PHALAENOPSIS AMABILIS,

In spike, at \$5.00 each; large specimens at \$7.50 each, being about half what such plants have sold for heretofore. Have also Phal. Ameth. Intermedia, Luddemaniana, Rosea, Sanderiana, Schilleriana, Emerald, Grandiflora and Stuartiana. **CATTLEYS**, all varieties. Hybrid Cattleyas and Laelio-Cattleyas. **SACCOLABIUMS** in varieties. **AERIDES**, in varieties. **VANDA**, in varieties.

ODONTOGLOSSUM CRISPUM.

Fine Plants. Write for Prices.

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Palms, &c.

Special Low Prices and Discounts for spot cash with the order.

Special Price on Latanias.

PLANTS	In. pot	In. high	No. leaves	Per 10	Per 100
Latania Borbonica...	5	18-20	3-4	\$1.10	\$10.00
"	6	20-25	4-5	2.00	18.00
"	7	23-26	4-5	4.00	
"	8	24-28	7-8	7.00	
"	9	28-30	9-10	9.00	
"	10	30-36	10-12	12.00	

And 10 per cent. off on orders of \$100.00 or over.

A special discount from wholesale list on all other plants not named above, of one-third, will be given where accompanied by spot cash and 40 per cent. on all orders amounting to \$100.00 or over. Come or send orders at once. You never had such an opportunity to get a bargain.

Please let me hear from you at once.

W. J. HESSER, Plattsmouth, Neb.

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BOSTON FERNS		PIERSONI FERNS	
2 1/2-inch	\$5.00 per 100	2 1/4-inch	35c each
3 "	10.00 "	50 "	at 30c "
4 "	15.00 "	100 "	at 25c "
5 "	25.00 "	3-inch	at 50c "
6 "	40.00 "	4 "	at 75c "
7 "	60.00 "	5 "	at \$1.00 "
8 "	\$1.00 to \$1.10 each	6 "	at 1.50 "
10 "	2.00 to 2.50 "	7 "	at 2.50 "
		8 "	at 3.00 "

Asparagus Plumosus, 2-in., \$5.00; 3-in., \$8.00; 4-in., \$15.00 per 100. Asparagus Sprengeri, 2-in., \$3.50; 3-in., \$5.00; 4-in., \$10.00 per 100.

Order 2-in. Cinerarias, Chinese Primroses and Obconica. Cut Roses and Carnations. See last week's papers for list of Field-Grown Carnations. Write—

GEO. A. KUHL, Pekin, Ill.

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PRIMROSES.

Chinese, 2-in. pots \$2.00 per 100
Obconica, alba and rosea 2.00 "
Forbesi, "Baby" 2.00 "
Pansy Seed, Ne plusultra, August. 4.00 per oz.
Cinerarias, 2-inch pots 2.00 per 100

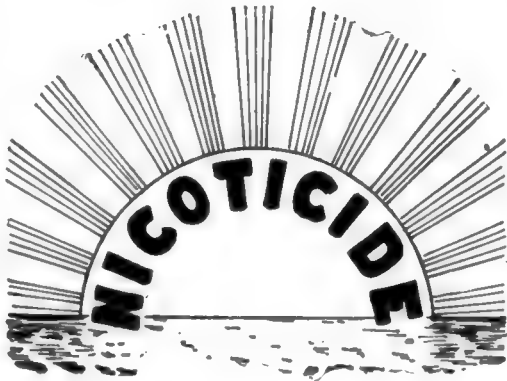
CASH, PLEASE.

JOS. H. CUNNINGHAM, - - Delaware, Ohio.

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ASPARAGUS.

Sprengeri \$2.00 per 100
Plumosus Nanus 2.50 "
Narcissus, paper white grandifl., Sept. 1 1.00 "
Pansy Plants, ready Sept. 20th... .50 "
\$3.00 per 1000.



Saves All Blooms From Bugs.

Tobacco Warehousing & Trading Company
Louisville, Ky.

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ALYSSUM, 3-inch, strong plants, \$3.50 per 100.
Jerusalem Cherry Trees, field-grown, dwarf and bushy, well set with berries, \$3.00 per 100.
Vinca Variegata, field-grown, \$4.00 per 100.
Hydrangeas, finest lot you ever saw, field-grown, with 8 to 10 flowering shoots, \$12 a 100.
Violets—Princess of Wales, extra strong plants, field-grown, \$8.00 per 100. California, extra strong plants, field-grown, \$5 per 100. Campbell, not so strong, field-grown, \$3.00 per 100. Cash or C. O. D.

Converse Greenhouses, Webster, Mass.
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JOHN SCOTT,
Keep 81 Greenhouses, Brooklyn, N. Y.

Headquarters **Bostons**
...for **PIERSONI** in 2 1/4-inch pots.

The Cottage Gardens' Collection of Cannas. Grand stock. Send for particulars.

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for Fern Fans or growing on good healthy stock in 2-inch pots.

Pteris Ouvrardi, Pteris Cristata, Pteris Tremula, Pteris Cretica Albo-Lineata, Selaginellas Emmelliana. Price \$3.00 per 100.

Wagner Park Conservatories, Sidney, Ohio.

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CHAS. D. BALL,

GROWER
....OF

Palms, Etc.

Send for Price List.

HOLMESBURG, PHILADELPHIA, PA.

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CLEVELAND.

Current Events.

Business in all lines, for the past week, has been very slow and the market flooded with cut flowers, most of which were of very poor quality, owing to the extreme heat, and could not be moved at any price.

Robert Hughes, of East Prospect street, had the misfortune to be thrown from his wagon on September 14, breaking his leg and bruising him badly. He is now confined to his bed in Lakeside Hospital, and has the sympathy of his many friends in the trade.

Smith & Feters and the J. M. Gasser Co. are painting and housecleaning and will have everything like new when the fall trade opens.

The Grant-Wilson Co. had the decorations for the opening of the Wm. Taylor Sons' large dry goods house, and it made a very nice showing.

Harry Addicott is back from his vacation trip through southern Canada. The rest did him good.

The F. R. Williams Co. is receiving consignments of very fine asters from the east, some of them being equal in size and quality to early chrysanthemums. E.

KRAMER'S POT HANGERS.



Neatest, simplest, most convenient and only practical device for converting ordinary flower pots into hanging baskets. They fit all standard made pots from 2 to 10 inches in diameter. The illustration shows how they are attached. Just the thing for hanging up Ferns, Begonias, etc. You can make room and money by their use. Try them.

Price with wire chain, as shown in cut, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

I. N. Kramer & Son

CEDAR RAPIDS, IA.

For sale by the E. F. WINTERSON CO., CHICAGO; C. C. POLLWORTH CO., MILWAUKEE, WIS.; VAUGHAN'S SEED STORE, NEW YORK and CHICAGO.

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SULPHO-TOBACCO SOAP

COMBINES THE STRONGEST

TOBACCO EXTRACT

with Sulphur and Alkali. Never fails to

KILL BUGS AND INSECTS

GREENHOUSE STOCK

kept healthy by using this popular Insecticide. Satisfaction guaranteed. Prices low. Write for sample cake.

Larkin Soap Co. BUFFALO, N.Y.

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BEST
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Cheapest
ALL-ROUND
INSECTICIDE
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For sale by
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For Free
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The Kentucky
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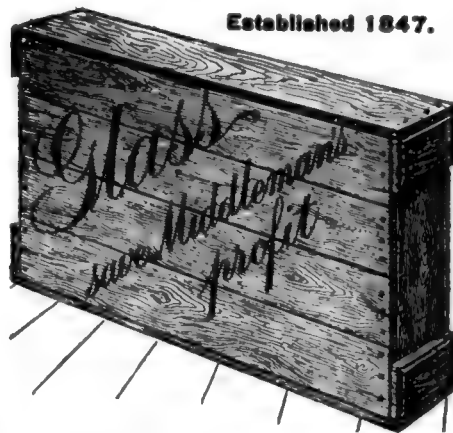
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**French
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Direct shipment from abroad.

Goods reach you duty paid. You just remove them from the depot, the same as any other shipment.

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have said that **Dixon's Graphite Pipe Joint Compound** saves them time, money and trouble. It is equally useful for steam or water joints. Before overhauling your pipes let us send you booklet.....

JOSEPH DIXON CRUCIBLE CO.

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Florists' Foil **AMERICAN BRAND**

PLAIN, EMBOSSED,
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MANUFACTURED BY

Violet and Rose Foil a Specialty.

The John J. Crooke Co.

155 to 163 Ave. D, NEW YORK.

Established 1850. 149 Fulton St., CHICAGO.

AMERICAN FLOWER and TREE TUB.



Made from Everlasting CYPRESS.

Various sizes, green or natural finish. Castings black.

Feet and bolts packed inside tubs for shipment.

We also have the neatest Plant stand on the market.

Send for Catalogue C905.

American Wooden Ware Mfg. Co., Toledo, Ohio

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SPHAGNUM MOSS.

Best selected quality, per bale of 5 barrels. \$2.25. Try a bale, it will please you.

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GREENHOUSE BUILDING,

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ALSO GALVANIZED
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Prompt shipment guaranteed
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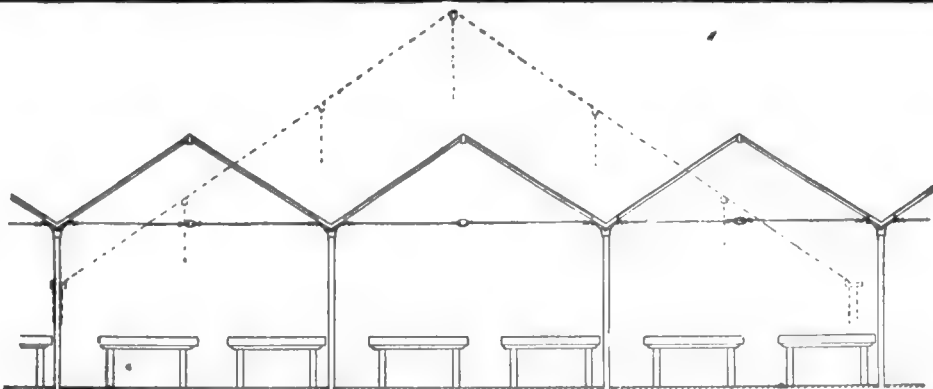
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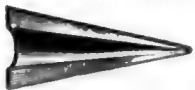
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Prices include extra inside pieces for ice com-
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3 x 5 x 24.....	2.25	150 "
3 x 7 x 21.....	2.25	160 "
6 x 6 x 24.....	3.40	300 "
4 x 12 x 24.....	4.50	425 "
5 x 12 x 24.....	4.80	450 "
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6 x 12 x 30.....	6.40	600 "
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G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

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INDEX TO ADVERTISERS.

This index covers only those having displayed advertisements. There is a host of others making offers in our classified ads. and they will be found there under their proper headings.

Allen, J. K.	720	Geller, Sigmund	706
Am. Wooden Ware Co.	740	Getmore Box Fctry.	741
Amling, E. O.	715	Ghormley, W.	720
Aschmann, Godfrey	735	Giblin & Co.	744
Bache, Simon & Co.	740	Graham, H.	725
Baker, W. J.	719	Green, C. H.	736
Ball, C. D.	739	Gude & Bro., A.	724
Barnard & Co.	705	Gullett & Sons	737
Bassett & Washburn	722	Guttman, A. J.	721
Bayersdorfer & Co.	706	Hammond, J. A.	720
Beach, D. S.	738	Hauswirth, P. J.	724
Beckert, W. C.	717	Hawke, Chas.	706
Beneke, J. J.	724	H-a-cock, Jos.	735
Bentley & Co.	722	Heint, Jos.	737
Bentzen, Floral Co.	723	Hellos Upton	741
Berger, H. H. & Co.	706	Herr, A. M.	722
Bernheimer, E.	719	Herrmann, A.	716
Berning, H. G.	723	Heuser, W. J.	739
Berry, F.	737	Hicks & Crawbuck	721
Bobbin & Atkins	734	Hill Co., E. G.	719
Bonnot Bros.	720	Hippard, E.	741
Bowe, M. A.	724	Hitchings & Co.	740-42-44
Bradshaw & Hartman	720	Holton & Hunkel Co.	719
Brague, L. B.	723	Hunt, E. H.	722-39
Breitmeyer's Sons	724-38	Igoe Bros.	741
Brod, J.	735	Jacobs & Son	741
Bruns, H. N.	722	Johnson & Stokes	719
Buckley Plant Co.	737	Jurvens Aug	722
Budlong, J. A.	722	Kasting, W. F.	705
Burpee, W. Atlee & Co.	717	Kellogg, Geo. M.	719
Caldwell Co., W. E.	742	Kennicott Bros Co.	706
Caldwell The Woodsman Co.	719	Kentucky Tobacco Pr duct Co.	740
California Carnation Co.	737	Kimberly, F. H.	736
Campbell, C. H.	737	King James	737
Century Flower Shop	724	Kramer & Son	740
Chicago Carnation Co.	706	Kreshover, L. J.	720
Clarke Bros	724	Kroeschell Bros. Co.	744
Clarke's Sons, David	724	Kuehn, C. A.	723
Classified Ads.	726	Kuhl, Geo. A.	739
Converse Green-houses	719	Lager & Hurrell	723
Cottage Gardens	719-33	Lange, A. J.	70
Cowee, W. J.	743	Langjahr, A. J.	70
Crabb & Hunter	736	Larkin Soap Co.	740
Crowl Fern Co.	721	La Roche, M. F.	738
Crooke Co., J. J.	740	Lecakes & Co., N.	721
Cunningham, J. H.	739	Lilly-Lilly Chemical Co.	740
Danker, F. A.	716	Limbach, C.	744
Dearborn Engraving Co.	706	Littlefield, Sidney	736
Dickinson Co., Albert	717	Livingston Seed Co.	741
Dietrich, A. & Co.	741	Loomis Floral Co.	735
Diller Caskey & Co.	742	Lord & Burnham	744
Dillon, J. L.	734-37	Ludemann, F.	734
Dillon Greenhouse Mfg. Co.	744	McConnell, Alex.	724
Dirken, B. W.	716	McCullough's Sons	723
Dixon Crucible Co.	740	McManus Jas.	720
Dorner, F. & Sons Co.	734	McMorrin & Co.	743
Dreer, H. A.	744	Meehan, C. E.	734
Dunn & Co., C. A.	719	Michigan Cut Flower Exchange	721
Dunne & Co.	706	Millard, C.	720
Eckholt Mrs. Chas.	724	Montinger Co., J. O.	743
Elliott J. L.	742	Moon Co., W. H.	716
Ellis F. M.	723	Moore, Hentz & Nash	70
Engel, Geo.	734	Moss, Isaac H.	734
Everett, A. B.	736	Muno John	722-36
Fehr, A. G.	737	Murphy, Wm.	723
Finley C. E.	743	National Florists' Board of Trade	721
Florists' Hall Asso.	742	Naumann G. M.	734
Foley, J. J.	740	N Y Cut Flower Co.	720
Foley Mfg. Co.	743	Niessen, Leo	719-36
Forster, I. H.	723	Oechalin Bros.	735
Garland, Geo. M.	743	Park Floral Co.	724
Garland, Frank	722	Parker-Bruen Co.	741-43
Gasser Co., J. M.	724	Pearock W. P.	719
		Pennock, S. S.	718-19-36
		Perkins, J. J.	721
		Peterson Nursery	716
		Philadelphia Wholesale Flower Market	723
		Pierce Co., F. O.	741
		Piereson Co., F. R.	705
		Piereson-Sefton Co.	744

Pittsburg Out Flow-er Co.	718	Smith Co. W. & T.	716
Plant Seed Co.	717	Southern Floral Nurs-ery Co.	735
Poehlmann Bros.	722-34	South Park Floral Co.	725
Pollworth Co.	739	Sprague Smith Co.	744
Quaker City Machine Works	743	Stern & Co., J.	706
Randall, A. L.	723	Stewart, S. B.	725
Rawlings, E. I.	734	Stoothoff, H. A.	741
Rawson & Co.	717	Studer N.	744
Raynor, J. I.	721	Stumpp & Walter Co.	717
Reed & Keller	716	Swanson, Aug. S.	724
Rogan Ptg House	743	Syracuse Pottery	748
Reid, Edw.	719	Thorburn J. M. & Co.	717
R-inberg, Geo.	722-36	Tobacco Warehouse-ing & Trading Co.	739
R-inberg P.	722-37	Traendly & Schenck	721
Rice Bros	719	Vesey, W. J. & M. S.	721
Rice, M. & Co.	706	Vincent, Jr. R. & Son	734
Riedel & Spicer	720	Virgin, U. J.	725
Robinson & Co.	706	Vredenburg & Co.	716
Rock, W. L.	724	Wagner Park Con-servatories	734-39
Rockland Green-houses	735	Warburton, C.	734
Roche's Julius	705	Watson, W. H., Son & Co.	731
Rupp, J. F.	735	Weber, F. C.	724
Rverson, U. C.	740	Weber & Sons	734
Saltford	724	Weiland, M.	724
Saltford Geo.	710	Weiland & Risch	723
Schiffmann, R.	739	Whitton, C.	723
Schmitz F. W. O.	716	Whitton, S.	738
Scollay, J. A.	744	Wiegand & Sons	724
Scott, John	739	Wietor Bros.	722
Scott, W.	724	Wilke Mfg Co.	742
Sheridan, W. F.	720	Williams Co., F. R.	719
Shibeley	724	Winterson Co., E. F.	715
Siebert, C. T.	743	Wittbold Co.	724-38
Siebrecht & Son	721-38	Young, John	720
Sievers & Boland	724	Young, J. W.	719
Sinner Bros	722	Young & Nugent	720
Skidelsky S. S.	738	Zirngelbel, D.	719
Slinn & Hughes	720	Zvolanek, A. C.	717
Smith & Son, N.	734		

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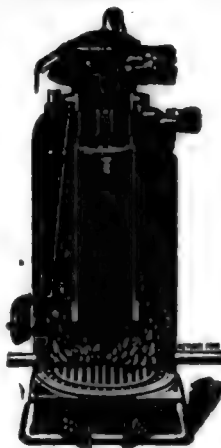
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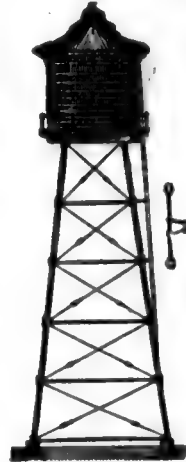
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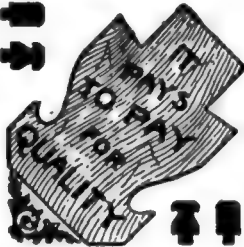
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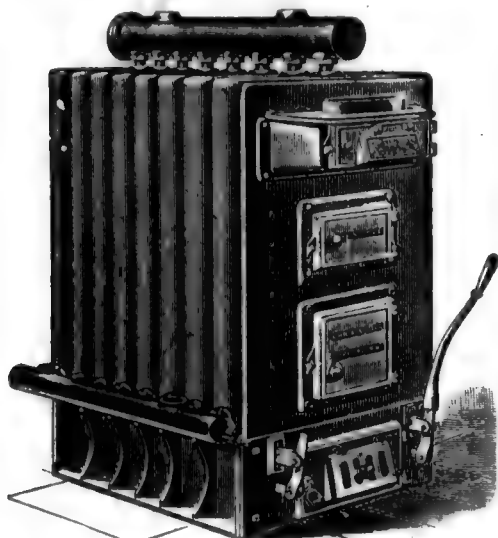
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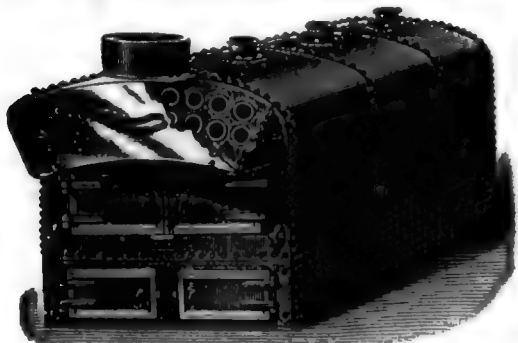
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Nº 2



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A JOURNAL FOR FLORISTS, SEEDSMEN AND NURSERYMEN.

FLORISTS' PUBLISHING CO., 530-535 Caxton Building, CHICAGO.

Vol. XII.

CHICAGO AND NEW YORK, OCTOBER 1, 1903.

No. 305.

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W. W. BARNARD & CO., SEEDSMEN, 161-163 Kinzie St., CHICAGO.

THE RETAIL FLORIST.....

SCREENS AND THEIR TREATMENT.

Having frequently found one's self dissatisfied with the setting for a decoration which the usual order of things presents, it is necessary for the decorator to manufacture his own surroundings and background. There is scarcely any place that cannot be made to blossom like the rose if proper environments are created. We must get behind things. It is often necessary to spend two-thirds of the time and material in producing a good background. With the proper setting every leaf, flower and spray may be made to stand out in relief.

The most practical decorative backgrounds are to be found in the use of panels and screens. Screens hide a multitude of such things as unsightly views of old grates, walls or doorways. A number of screen frames ready for such emergencies should be found among our accessories. As many kinds of material as there are screens are all the better. The covering should be removable, for sometimes it is desirable to form a solid background, and at other times a light, semi-transparent effect is better. When covering is to be retained, a plain (not figured) goods should be used.

And now for some of the uses of a low screen, as is shown in the first illustration. Instead of attempting to fill in a grate with plants—for it really cannot be done, and amounts to no more nor less than crowding the plants into unnatural positions, with the space even then not filled—according to the space in the grate, use one, two or three sections of the screen. This screen is made by a florists' wire worker. The first section is left uncovered to show its construction. The second is of fabric drapery, with tracery of wood ferns. The third section is covered with green burlap, on which is a design of goldenrod and asters. Sheet moss also makes a very good covering for a screen. The wire frame and feet of the screen are bronzed. Out on the hearth in front of the screen is where the plants should be grouped, if used at all, so far below the eye line.

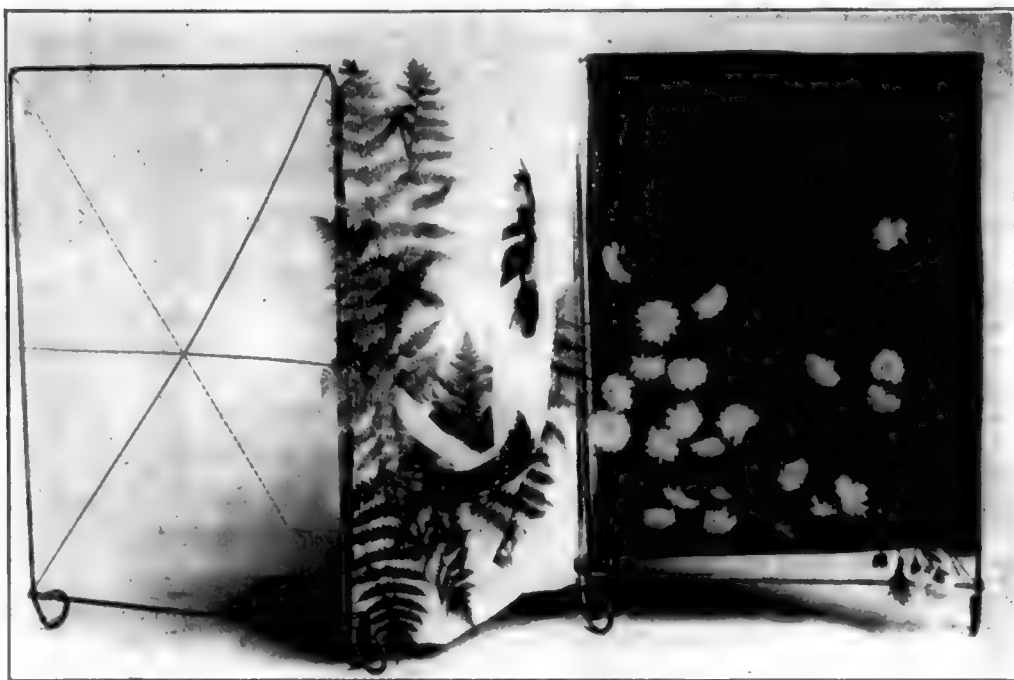
Another treatment for such a screen would be to provide a background of burlap upon which is spread a design of autumn leaves and branches. Oak leaves and sumac may be used effectively here. To add to the color effect a group of autumn lilies may be attached in a bamboo pocket.

Before studying the design of the smilax screen, let us consider for a little how to prepare the smilax for this kind of work. Smilax as it is cut in solid strings is too heavy for any decorative effect, except for draping in large, high-ceilinged rooms. The strings should be separated to make it soft and light and graceful. The effect is not only better, but so much more can be accomplished with the material in hand. To be sure,

it takes time, as does everything else worth doing. The string, as it hangs separated, all except a knot, makes a pretty design unit for the corner of a table, a mirror or picture frame, etc.

There is another mission, though it is ignoble, for separated smilax. In outside work at residences there is usually a helper or a squad of helpers detailed by the hostess "to look after the decorations." On first application for work on the part of the helpers I hand out a string of smilax or asparagus apiece to be separated or untangled. One dose is guaranteed to cure, and ere long the decorator will be in sole possession of the fort.

Well, to resume, the heavy string so prepared will fit into the screen frame quite naturally, as pictured in the second illustration. The addition of another small string will complete the light tracery of the design. The opposite sec-



Screen, one Section Covered with Plain Burlap Background.

tion of the screen required the use of three more strings similarly treated, this time keeping the heavier portions at the side, as before the heavier part was at the top.

The back of a piano or organ may be treated like a screen and used as a background for a wedding party. A satisfactory decoration of this kind was arranged last June. The instrument was placed across the corner of the room, back to view, and served as a starting point for long sprays of Weigela roses, smilax and Bridesmaid roses, until from the ceiling to the floor was stretched a delicate partition of pink, white and green, the wedding march stealing from its perfumed depths.

GERTRUDE BLAIR.

ROSES.

Seasonable Hints.

The general work of caring for the stock will be greatly increased during the next few weeks. Mulching, to be of any use in helping the early winter and holiday crops, will have to be applied soon. While speaking of mulching, I have found it profitable to give the surface of the soil a sprinkling of wood ashes before applying the mulch. This helps to stiffen the stems and will most certainly give better color to the petals. Our Canadian brethren are more liberal in the use of this material than we are, and their blooms have long been noted for their intensity of color. If the soil is deficient of calcareous matter, and most of our soils are—for rose-growing purposes, a generous sprinkling of air-slaked lime would also greatly benefit them during the dark weather.

It should be remembered not to use bone and lime in combination, as this will release more ammonia than the rose can use, so it is not safe to use bone on limed benches for at least one week, or until the strength of the lime is dissipated.

Where plants are in good health and vigor there will be a generous crop of lateral wood to look after. This should be removed while yet young and soft and not be allowed to remain till the growths are so hard as to require a knife for

their removal, using the sustenance which should feed and develop the bud and destroying the gracefulness of the stem. This should be attended to at least twice a week.

Tying also will require frequent attention, so that the stems may be straight and do credit to the bud, as it counts for little with the buyer, however fine the bud may be if the stem is weak or crooked. So we should direct our work and skill to produce a fine stem with a shapely, well developed bud at the end of it. To give free circulation of air among the leaves so that they may dry out quickly after syringing, it is necessary to tie each shoot singly, giving as much space between each as the room will allow. It will facilitate tying to have an overhead wire stretched over each line of

plants so that the extra long stems which may reach above the stakes may have some support to prevent them being bent by the action of the syringe. These are usually the prime blooms and it is worth an effort to have them perfect.

With the shorter day and decreasing sunshine watering will have to be more

carefully studied and the supply regulated to keep pace with the slower evaporation and growth. A careful examination of each bench previous to watering to ascertain its wants may save a deal of after trouble, which is sure to follow careless and indiscriminate use of water at this season.

RIBES.

MISCELLANEOUS SEASONABLE HINTS.



Storing Cannas.

Before the frost destroys the flowers of your cannas or kills the leaves they should be looked over for any that are not under their correct name. It takes an expert to distinguish the many varieties in the spring when the plants are small and not in flower, and it is annoying to find three or four of the wrong variety in a bed that is otherwise most satisfactory. Label them now, while you know what they are. Cannas are just as well left in the ground until the tops are killed, but not so late that frost enters the ground. Large growers may have root houses or especially constructed basements for the wintering of these important plants. The smaller grower has not. I have never lost five per cent of the roots when placed on boards on the floor beneath a bench where the house was kept anywhere from 40 to 55 degrees, provided there was little or no drip from the bench above. A drip on the roots will rot them, and don't forget the boards. They will prevent the clumps of roots from starting into growth and save you the trouble of frequently moving to prevent starting.

Boxing Dutch Bulbs.

Two or three weeks ago I said I would have more to say about forcing tulips, etc. There is no particular reason for putting off the boxing of these bulbs after the middle of October, and when any quantity are forced the boxing and labor connected with it should be done out of doors. I can only repeat what I have so often said: Use a box or flat of uniform size. Twenty-four by twelve inches and three inches deep we find very satisfactory. Any old soil will do. The soil that was used for last year's carnations would be just the thing. Plant thickly. It is a waste of space and labor not to do so. A box the size described above will hold seventy-two La Reine or sixty or perhaps sixty-six Yellow Prince, or fifty Von Sion. We fill the flat full of soil without much firming and then squeeze in the bulbs, which leaves the top of the bulb only a trifle above the top of the box. One good man, with help to bring in his flats filled with soil and another to wheel them away and place them on the ground where they are to remain for the winter will box a good many thousand tulips in a day.

Place strips of board under the flats in the beds. Thoroughly soak the soil in the flats and, when the water is soaked in, shake over the least bit of straw or hay, or buckwheat husks will do very well, and then cover with three inches

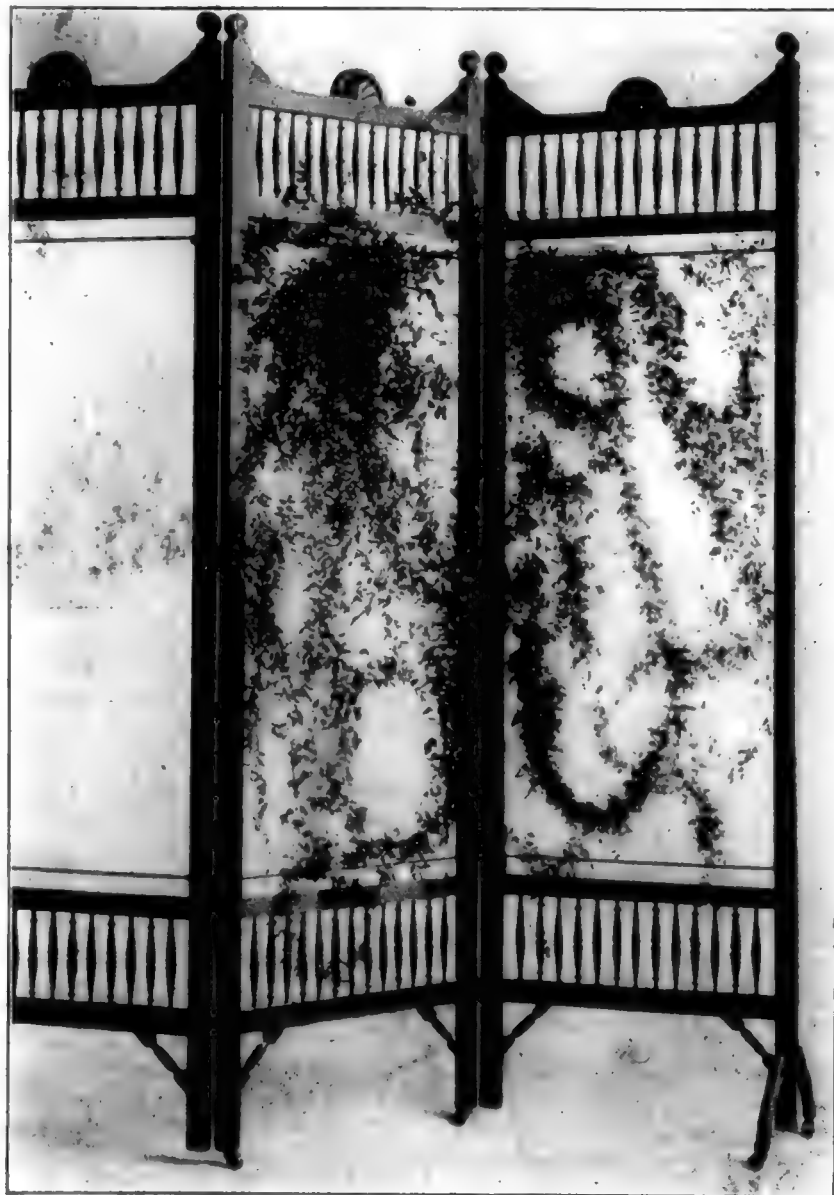
of earth dug out from between the beds. I like the beds not over six feet wide and six feet between the beds. This gives you soil enough between the beds to cover the flats. This is all there is to do for the next two months, except to soak the soil above the flats every week if rain is scarce. Remember there is no natural moisture arising from the earth beneath; the bottom of the flat prevents that. While on the subject of watering, don't neglect the Paper Whites and Romans which you boxed two or three weeks ago. I have tried cellars, cool basements and root houses for storing these flats of tulips, narcissi and hyacinths, but they were never so good as those put on the ground out of doors.

Freesia.

Last winter the freesia was in good favor, and so it may be, for it is a sweet, delicate flower. Some growers plant them along the edge of a carnation bench; others grow them in flats, and some in pots. The finest freesia blooms I ever saw was last winter, and the bulbs, or properly corms, were not of the largest size. They were planted across a five-foot bench in five inches of good, rich soil, a light loam. The rows were six inches apart and the bulbs three inches, and that is the way I shall grow them in future, and plant, say 200, every two or three weeks throughout the fall and winter. A great number can be grown in comparatively small space. I may add that the temperature of house was about 50 degrees at night.

Carnations for the Border.

There has been in the past, and always will be, a good demand for carnation plants in the spring to plant out in the border to give the owner a carnation blossom when he feels like it, and these plants are seldom to be had in any decent shape. You can root cuttings now. They root easily and surely in the cold sand and you can grow them on during winter and spring and by next May they can be in 4-inch pots and make good flowering plants. Another way is to dig up the plants in the field that were not good enough to put on the benches. Plants of small or medium size are better for this purpose.



Screen filled in with Strings of Smilax.

Pot firmly in 4 or 5-inch pots and plunge in a cold frame, well protecting the pots with leaves, refuse hops or tanbark. After ten days with the sash on remove them and expose to the full sun and air, and except in heavy rains keep the sash off until you expect 10 or 15 degrees of frost. You know the carnation is almost a hardy plant and if given ventilation on bright days and double sash or mats in the most severe weather, these plants will come through all right and be excellent plants for the garden. They will give you more and earlier flowers than the fall struck cuttings.

If you are a grower of fuchsias and have had some plunged out during summer, they will now be ripening their wood and will be all the better for six weeks' rest in a very cool house, or even shed, or beneath a bench, before you shake them out and start up again for cuttings. The riper the wood the better cuttings you will get.

Hardy Plants.

The month of October, particularly the first two weeks, is an ideal time to plant or move the great majority of herbaceous plants. I can't very well mention the exceptions, but one in particular is important, viz., the beautiful *Pyrethrum roseum*. Always transplant or divide that in the spring. The peonies, so popular and attracting so much attention just now, should be moved at once and they will be far better off than if left until spring. Remember that with herbaceous plants you can only surface fertilize for perhaps years, so for a plantation of these the ground should be heavily manured and deeply dug, trenched or subsoiled. There is always more time in the beautiful month of October for planting than in the busy spring, when we often jump in a few days from winter into summer, most times to jump back again to our great discomfort, and what can be done with great comfort and safety in the fall should be done.

We are often asked to plant hardy roses and vines, such as *lonicera*, *wistaria*, *bignonia*, etc., in the fall, and our invariable answer is: "I should advise you strongly to wait until spring. You will have no pleasure from them this winter and will run a decided risk of losing them." But if they ask me to plant a hedge of *berberis* or *privet*, or plant a hundred common hardy shrubs, I do it, and if properly planted, there is little risk of losing them. Such shrubs as *lilac*, *viburnum*, *spiraea*, in fact, all the truly hardy shrubs, can be transplanted in October with perfect safety. Do it early, rub off all the leaves when lifting, and if the ground is dry, soak them in. Leave pruning until spring, as some killing of the shoots will be sure to occur.

Planting Tulip Beds.

While discoursing on the tulip I meant to remind you that as soon as the canbas and geraniums are dead, some of your customers will want you to fill the beds with tulips. Don't do it for a month. I am sure, and I have the opinion of one of the best men in the country on such matters, that late planting of tulips and hyacinths means larger, finer and more long lasting beds in the spring. Never mind if the beds are muddy with rain and snow; the winter will put all that right, but there is lots of time before that condition will exist; don't be in a hurry.

WILLIAM SCOTT.



Wedding Decoration by Joseph M. Smely, Aurora, Ill.

WEDDING DECORATION.

The accompanying illustration is from a photograph taken in the New England Congregational church at Aurora, Ill., and shows the decoration put up by Joseph M. Smely for the wedding of Miss Fannie Hopkins, daughter of United States Senator Hopkins, and David Peffers, the senator's law partner and former private secretary. The residence was also decorated in the same lavish manner and the work did Mr. Smely much credit.

CARNATION NOTES—EAST.

Early Firing.

Last week's reference to the objectionable dampness produced by excessive use of water in the paths and under the benches at this time of year leads us to inquire how this dampness is created in such form as will likely result in injury to the plants, also by what means can the danger be averted should unexpected conditions arise. With ventilators nearly closed in expectation of a frosty night, there can be but little chance of a natural free circulation of air, even when paths, etc., are in proper condition.

In case of the excessive use of water in places mentioned, the air will become heavily charged with moisture, as is evidenced by precipitation on the glass inside, and, while perhaps not noticeable, it is evident the plants are surrounded with an atmosphere not beneficial to their health. Having known cases where the ventilators were tightly closed and precipitation could be plainly seen on the foliage, I formed the above conclusion.

One reason for watering early in the day, other than that the foliage may become dry before night, is that the bench soil may exhale the least moisture possible, the air and sun during the day having helped to remove any surplus from the surface. Sudden changes in weather may catch us with soil and plants in such shape as to produce this very condition we desire to avoid and to make mat-

ters worse, a two or three days' cold rain may set in.

In any case be prepared to turn a little heat into the houses on short notice, to keep the air dry and in circulation through the ventilator at the ridge, the advantages of which are clearly set forth by Mr. Baur in last week's issue. Our four boilers connect with one main and by means of valves one or more can be run or cut out at will as the weather demands. The gentle heat needed early in the season can be supplied by one boiler, resulting in the consumption of less fuel than if each house had an independent boiler. I venture this digression to point out a matter for consideration when contemplating building new or rearranging old houses.

Seasonable Reminders.

Do not wait for greenfly to stake out a claim; fumigate regularly but not heavily as a preventive. Many diseases to which the carnation is liable gain their entrance to the plant through the punctures made by aphides. Should you discover a shoot here and there on which a colony of greenfly exists, it is better to remove the shoots than resort to heavy smoking.

There is no excuse for having red spider thus early, when every advantage is presented for their dislodgment and no hard firing, which assists their development and increase, has been needed. The use of grape dust can be recommended as a preventive of disease, also a destroyer of fungous germs and rust spores. Apply at the warmest time of a still, bright day, blowing it well over the plants with a bellows, when its extreme fineness will allow it to settle on every part of the plant, as well as on wood work and in cracks where lurking germs may be present.

GEO. S. OSBORN.

MILWAUKEE, WIS.—The firm of Kapsalis & Co. will hereafter do business as Kapsalis & Lambros, B. G. Lambros being the junior partner. They have stores at 115 and 97 Wisconsin street.

TOPPING FOR CHRISTMAS CROP.

When should carnation topping cease in order to bring in the main crop for Christmas?
T. W.

There is a great difference in varieties regarding the length of time it takes to produce a crop of blooms, and I would be able to answer this inquiry much more accurately if I knew what varieties are grown. There are varieties that naturally produce their heaviest crop of blooms during midwinter, beginning at about November 1 to 15 and keeping it up until well into March, when another crop of shoots starts up and these come in during April and May. Among these varieties are White Cloud, Lorna, America, Mrs. Potter Palmer, Mrs. Bradt, G. H. Crane and Lawson. The latter two varieties come into bloom quite early in the fall and bloom steadily until hot weather stops them. All these varieties will need little or no stopping in the fall to induce them to come into a heavy crop around Christmas. If the plants are of good size and well established you should give them all the encouragement you can to run up to blooms.

There are varieties like Flora Hill and Dorothy which produce a heavy crop of blooms in the fall and are then apt to be just off crop at Christmas. These you will have to watch if you want a heavy crop of blooms from them at that time. Both produce a crop of blooms in a shorter time than most varieties and if you can see the young shoots begin to run up by November 1 you can safely expect them to be blooming again by Christmas.

This is where the larger grower has the advantage over the smaller man. He can grow twenty-five varieties, and each in

Christmas demand with a full supply, but he can select varieties that are naturally at their best at that time. Other varieties will be in full crop early in the fall or late in the spring, or just when these varieties are between crops, etc.

For instance, you may grow Crane for early fall and winter up to February 1, when it will likely be off crop. Mrs. Palmer does not come in as early as Crane, but it is a much finer bloom and is in full crop after December 1 and keeps up better in hot weather than Crane. America will fill the place of Mrs. Palmer, too. Flora Hill will come into bloom by September 1 if it is planted the first week in August, but it will be off crop by December 1, when White Cloud comes in and remains until April, at which time Hill takes it up again and keeps it up until replanting time. Dorothy and Crocker are both fine in the fall, when Lawson is still too short in stem to be of any account. Dorothy recovers itself quickly after the crop is cut and will give a fine winter cut, while Crocker needs considerable coaxing to induce it to run up to flower during midwinter. Mrs. Lawson comes to the front about December 1 and holds the boards until hot spring weather, when Crocker comes in again and makes all the other pink ones "look like thirty cents." You can easily see how much more difficult it would be for a grower to have a good supply of blooms from one variety through the entire season than it is from three or more varieties, and the more you add to the list the better your chances are for a continuous cut, providing you do not choose too many varieties of the same habit. You can, however, by careful topping in the fall make almost any variety come in with a crop of blooms for Christmas, but you must

THE U. S. CUT FLOWER CO.

I beg to advise you that the United States Cut Flower Co. has selected its location in Elmira, on which they propose to erect, in the course of two years, about two million feet of glass for the purpose of growing cut flowers to supply the trade of the United States.

I may state right here that the United States Cut Flower Co. has no connection, financially or otherwise, with the Dale estate, of Canada, but hopes to be always in friendly touch with the same. The system of construction adopted by the United States Cut Flower Co. is practically the same as is used by the Dale estate in Brampton and the general business will likely be conducted along the same lines. The excellent railway facilities offered by Elmira, and being convenient to the great fuel center of the United States, naturally makes that city a desirable location for a plant such as we contemplate erecting. The general management of the same will be in the hands of "yours truly." The principal stockholders of the United States Cut Flower Co. are residents of New York state and New York city. Believing that the demand for cut flowers is likely to continue for many years the stockholders look forward to a very profitable business in their new venture.

WM. ALGIE, President.

ASCHMANN IN EUROPE.

It was a pleasant summer Sunday, August 30, when, with my son Howard, I strolled through the beautiful city of Antwerp. The streets are wide and clean and shaded, and we came upon a lovely park, with a splendid band making sweet music and attracting immense crowds. The sidewalks in front of the taverns surrounding the park were occupied by people enjoying light refreshments and the florists of Antwerp had set up their tents along the streets and were making up bouquets and floral designs at remarkably low prices. Chrysanthemums, roses, carnations, dahlias, gladioli, tuberose and the beautiful tuberous rooted begonia were the favorite flowers. A beautiful bouquet, eighteen inches high and over, made up with roses, carnations and asters, and filled on the back with ferns and asparagus, could be bought for 30 cents in American money. In another part of the park the pot plants were exhibited and sold, principally araucarias and palms. All were doing a thriving business and we watched them with much interest. They were nearly sold out by night. The city of Antwerp grants the privilege of selling at the park only to the florists.

We went from Antwerp to Ghent, the azalea plantation of Belgium, where beautiful weather favored us. There are 700 to 800 florists in Ghent and vicinity, each having from six to one hundred greenhouses. We visited the principal places and were quite surprised to find them fitted up with all the latest improvements. The growers there are very accommodating, appreciating the American very highly. It was no trouble to them to show us around, showing us every nook and corner, explaining their heating, airing and watering arrangements, all of which were interesting. In the end we were always invited to some beautifully fitted up apartment, where refreshments were provided.

They are all doing a rushing business at Ghent, azaleas being very scarce and



Greenhouse of Frank Bros., Beardstown, Ill.

quantity, so that he is sure to have among his list varieties of widely different habits and he is sure at all times to have a few varieties in full bloom. He can allow each variety to choose its own time for blooming, merely keeping the plants in good health. By judging accurately the right quantity to grow of each variety, according to the time it is at its best, and the demand there is for the blooms at that time, he can manage to meet the market with whatever quantity it requires. He does not need to grow his varieties so as to meet the

know each variety, as they differ greatly in the time they take to grow and perfect a crop of blooms. Some will need holding back, while others will need coaxing right along. A. F. J. BAUR.

LOUISVILLE, KY.—C. H. Kunzman and wife have been spending a two weeks' vacation at Baltimore.

SOUTH BEND, IND.—Treanor & Rettie are putting in a big new hot water boiler, made by the Superior Machine and Boiler Works, Chicago.

nearly all sold. The small growers sell their goods to the large ones and to the exporters. Owing to cold, wet weather *Azalea indica* did not grow much this year, and therefore prices advanced.

We also traveled through Holland, Germany, and we are now at Zurich, in Switzerland. Everywhere we find evidence of the love of flowers among the people, for every house has its flower garden, every window its shelf of pot plants. They also understand how to make good use of their pleasure grounds, for in connection with flowers many fruit trees are planted, especially pears.

GODFREY ASCHMANN.

SAN FRANCISCO.

The Pacific Coast Horticultural Society gave a complimentary exhibition of dahlias at the Palace hotel September 18, at which the display of flowers was really excellent. G. A. Pope, of Burlingame, won the prizes for best and most complete collection of dahlias, for twelve cactus varieties, for twelve show sorts, twelve decorative and twelve pompon. R. Lichtenberg, San Francisco, won the silver medal for collection of single dahlias and certificates of merit for seedling cactus, seedling show, seedling decorative, seedling fancy and seedling single.

The Leedham Bulb Co., Santa Cruz, received a certificate of merit for seedling dahlias. J. A. Carbone, West Berkeley, won a certificate with several vases of chrysanthemums, including Monrovia. Mrs. Fred L. Button, Estelle and Glory of Pacific, and some carnations. J. M. Halsted, Oakland, won a certificate for cactus dahlias, and F. Tillman, Fruitvale, received a certificate for cannas. Golden Gate park made a very large display of dahlias which received honorable mention. The same award was given to W. H. Crocker, Burlingame, for dahlias and flowering shrubs, and to H. Maier, Burlingame, for lilies. J. H. Sievers & Co. contributed a handsome central group of palms and ferns.

There was an attractive musical program and the room was thronged with visitors during the afternoon and evening. No admission was charged.

The Pacific Coast Horticultural Society certainly seems to be doing its share toward keeping the profession before the public.

AMERICAN CARNATION SOCIETY.

In addition to the regular line of premiums and the specials heretofore noted, the following are offered: By the Foley Manufacturing Co., of Chicago, Ill., three silver cups valued at \$25 each. One for the best vase of Michigan seedlings, not yet disseminated. One for the best 100 yellow, any variety and open to all. One for the best vase of 150 blooms, not less than three nor more than five varieties, any variety permissible and the vase to be arranged for harmony and effect.

ALBERT M. HERR, Sec'y.

LINCOLN, NEB.—The complete list of awards in the cut flower classes at the state fair is: Collection of cut flowers, collection of roses, collection of carnations, bouquet, Frey & Frey, first; C. H. Green, second. Basket of flowers, Frey & Frey, first; Green, second; Mrs. H. T. Whitlock, third. Wreath and floral design, Green, first; Frey & Frey, second.



Greenhouse of Frank Bros., Beardstown, Ill.

CHRYSANTHEMUMS.

Seasonable Hints.

Routine work, watering, tying and feeding, is about all that is to be done from now on and about all a man can do is to wait for the flowers to develop. Feeding should be discontinued entirely as soon as the bud shows color unless the plants are growing in pots, in which case liquid can be administered longer without any bad effects. All growths should be neatly tied up so that the stems will be straight and clean. Be sure that the buds are free from black and greenfly before they open. Greenfly is very troublesome this year and is one of the worst pests to get rid of.

Some of the early varieties are coming in and in a week or so the season will be fairly under way. Mrs. T. W. Pockett is already open from early buds. It seems to me that there should be money in this variety. It can evidently be got in as soon as October Sunshine and while about the same color is a far more beautiful flower. I shall look for a more extended planting of this variety next year. The early flowers will be very welcome if we only get a good frost to clear away the outside crop of asters, dahlias, etc., and I suppose the dahlia men are hoping just as fervently that we don't get frost for a month. Coombs is almost ready to cut and another week will see several other varieties in good shape.

The nights are getting very cool and some attention is necessary as regards ventilation. One thing can be laid down as a never failing rule and that is, never close the houses down tight to try and economize on heat. Always leave a crack of air on and if the temperature gets down to 45 degrees run a line of steam around the house. This keeps the moisture from settling on the petals of the flowers and spoiling them. A damp, clammy atmosphere, such as one feels when a house is shut up close without heat, is the last thing one should have when the flowers are opening. A night temperature of 45 to 50 degrees is all right from now on, and if the buds are mostly good crowns 50 degrees is the better of the two.

Spraying overhead must be discontinued as soon as the buds burst open from the covering, that is to say as soon as a speck of color can be noticed around the outer edge of the bud. I have seen many flowers ruined by the water rotting the center of the bud, and this will not occur if spraying is not kept up too long.

The fall season so far has been very favorable to the opening buds. Bright days and cold, clear nights are ideal conditions for the chrysanthemum, but look out if the nights and days are both warm and the flowers develop rapidly and get soft. Then some shade will be necessary or the hot sun will burn the petals. We spray the entire glass with a coat of whitewash and this will be found the easiest way to shade. Under this covering the flowers will develop more slowly and give much better satisfaction.

BRIAN BORU.

TROUBLE WITH METEOR.

Will you kindly let us know through your valuable paper what is the cause of Meteor rose foliage turning yellow? The plants seem to be in vigorous growth, with perfect root action, although the shed this season has been something out of the ordinary. In some instances they act as though they had a touch of black spot; although not showing any symptoms of that disease. The foliage keeps shedding as fast as the new crop is made. We have been growing this rose ever since it was introduced and had a little trouble last season, but it did not start quite as early as this season. Could it be that our stock has run out, or is there anything in the soil? We are growing them in a trifle heavier soil than previously. C. R.

From the description of the trouble I should judge it similar to a case I had on my own hands some years ago and which I have seen duplicated in several other places since. After a very exhaustive examination I traced the trouble to irregular watering, they having been allowed to become bone dry at the boards and then overfilled with water. These facts I found applied to the other cases also.

Of course there are other conditions

which could bring about a like result, such as too close or damp an atmosphere or defective drainage. I am satisfied that the heaviness of the soil would not induce this condition. We have been using a very heavy, clayey loam for some years, and with most excellent results. As the root action is good the trouble cannot be attributed to run out or degenerate stock.

The remedy we adopted and which was happily successful, although it took a couple of months to restore them to health, was somewhat paradoxical. We kept the roots even wetter than usual, temperature 68 degrees at night, 80 degrees during the day, giving ample ventilation. This treatment was also followed by the rest of the unfortunates, ending in success in each case. One house we tried to bring around by keeping it on the dry side, but this only aggravated the case. These are notes from actual experience. RIBES.

WHITE SCALE.

In a bench of Brides and Maids we have just one Winnie Davis rose. It is thickly covered with what seems to be white scale. Can you tell me why this is, as no others are so affected? What shall I do for it? C. M. B.

Why the scale should be confined to this one plant I cannot say; doubtless there are attending conditions which favor this which could only be determined by local investigation. Probably this variety is more to their liking than the others, or possibly they were brought into the house on this same plant and have not yet had time to disperse, as they are slow of movement and take a long time to crawl from one plant to another, this being their only mode of progression.

If these are the small white scale they can be easily dislodged by the syringe, if sufficient force is used. An application of whale oil soap will quickly destroy them. This should be applied with a syringe and is most effective when applied hot, about 120 degrees. This clogs the breathing pores along the sides of the body, literally choking them. Kerosene emulsion will also destroy them if applied in the same way. RIBES.

THRIPS.

What is the best remedy to apply for thrips on roses? Any information will be appreciated. C. R.

Fumigating lightly and frequently with tobacco smoke will, if persisted in, certainly destroy them, but to this practice there are objections; it bleaches the petals to such an extent that they are frequently unsalable, but where thrips have a good foothold there must be some sacrifices before they are cleared out.

Burning cayenne pepper is a most effective way of destroying them, but this also must be practiced frequently to accomplish the object. Heat some plates of iron till they are nearly red and place them along the paths, then put a tablespoonful of the pepper on each, beginning at the end of the house farthest from the door, and get out as quickly as possible, as the fumes are very disagreeable, even dangerous. Four such plates are sufficient to fill a house 25x100 feet.

All affected buds should be picked off and burned. Keep the paths and floor clear of weeds and rubbish, as these afford a shelter which it is hard to reach with any kind of fumes. RIBES.

THE SHASTA DAISY.

What is the proper treatment for Shasta daisy to have it in bloom for spring trade in Ohio? T. C. B.

I would say that is a question of what size plant you desire. Plants that were grown out of doors in pots this summer, or those planted out and lifted at this time and kept cool during winter, will make a splendid Easter plant. If a smaller plant is desired, then cuttings put in now and grown on with an occasional pinching and successive shifts would make a very neat plant in a 5-inch pot by next April. These daisies, or properly chrysanthemums, are most excellent house plants and we have noticed large plants sold to our customers at Easter flowering in great profusion in the windows six months later. Not many of our greenhouse plants will do that. I have never tried the Shasta daisy in pans, but the common Paris daisy makes a very salable 6 or 8-inch pan for Easter. For this purpose flowering tips from the large plants should be put in the sand in January and when rooted they should be planted two inches apart in the pan. If Easter is late, defer propagating until the middle of February. WILLIAM SCOTT.

AMARYLLIS.

I have quite a lot of *Amaryllis vittata*, *Johnsoni*, etc., and some bulbs of *Crinum fimbriatum*. Some of them are in pots and others planted out. Will they keep through the winter if dried and stored like spotted calla? I have always kept them in the cellar in the pots, but I have not room to store them all that way this winter. L. M. G.

Supposing these plants flowered the past summer, it would be poor treatment to shake off all the soil and keep them dry during winter. Those that have been planted out must, of course, be lifted before hard frost, as neither *amaryllis* or *crinum* could be kept out of doors, even with the greatest protection, in the state of Vermont. Lift them, preserving all the roots you can, and tread them in in flats with five or six inches of soil, and don't dry off too suddenly; withhold water by degrees, and a month after lifting the flats can be stored beneath a bench. Under a carnation bench would be an excellent place for them, as you would be starting them again in the spring before much water would be dripping through the carnation bed. Those that are in pots by all means leave in pots. From October to, say February, they can be stood beneath a bench in some cool house. Most of these plants are evergreen, and although they rest during winter they by no means want to be dust dry. WILLIAM SCOTT.

LETTERS TO THE EDITOR.

To say that I am pleased with your valuable paper would be saying something very old. My wife and children also read the Review; it keeps up their interest and confidence in the business I am engaged in, which is of no small value to me some days when the sun does not shine. Am much interested in your articles on seedling longiflorum lilies, having experimented with them the last seven years with an aim to propagation, but with poor results. Am also in with peonies a little. When plants are advertised I often see the

statement made that the varieties are not subject to any disease, but this year I notice a trouble which started at blooming time. The top leaves would show little black spots, as though punctured by a fly, which spots would grow in size, so that by now the tops on most are dried up and black. Some plants of officinalis dried up entirely shortly after blooming, apparently of the same trouble, and in consequence the eyes for next year are very feeble. Would spraying with Bordeaux mixture help if done during the growing season? I see that a four-year-old plant of the Chinese section has died this summer, one eye after another, until all the roots were found to be rotten, while the plants around it seem all right. C. C. ARNOLD.

MADISON, N. J.

Current Comment.

I had an interesting chat the other day with a veteran rose grower, and from him obtained much information concerning the early days of the rose growing industry in this town. It is now thirty-eight years since roses were first shipped regularly from here to New York, Mr. Littlejohn, the gardener for Judge Lathrop, being the pioneer, the Bryce place and E. V. Howard coming next. In those days Cornelia Cook was the great white and Bon Silene was also largely grown. The roses were shipped in small tin boxes, with a large padlock attached, a key for which was kept at each end of the line. Nowadays a 6-foot box is used and the padlock is no more.

One of the old time places still produces roses of the first class. This is the old Slaughter place, now leased by Elwood Brant. There are some seventeen houses here, accommodating about 30,000 plants. Beauties are the chief crop grown, with teas along the front benches. Two houses of Liberty and one of Meteor are also grown. The houses are antiquated compared with the modern standard, but the stock looks very good indeed and reflects great credit on Mr. Brant. He is a shrewd young man who is forging ahead and is part lessee with his brother of the immense rose houses of Peter Crowe, of Utica, N. Y.

Most of the largest growers here live, as Mr. Dooley would say, "beyond the thracks," or above the railroad. Just a stone's throw from Mr. Brant is the handsome range of Henry Hentz, Jr. It is a modern plant, complete in every particular, and is of the most enduring construction. Beauties are chiefly grown. One house that has been changed to solid beds shows up much finer than the benched stock. One smaller house of 'mums were fine, as even a lot of stock as I ever saw, Appleton, Helen Bloodgood and Bonnaffon being the varieties grown. Mr. Hentz is a partner of the firm of Moore, Hentz & Nash, which is the donor of the special medals offered at the show every year by the local horticultural society. These medals are awarded to the actual growers of the winning flowers and competition for them has always been close.

Not far from the last named establishments are the plants of Louis M. and Louis A. Noe, father and son respectively, the Beauty kings of Madison. Each has some nineteen or twenty houses 200 feet long and the stock can only be

described as splendid. About 100,000 rose plants are accommodated in these houses and the product has for years been known far and wide. System, order and cleanliness are everywhere apparent and here, as everywhere else, it proves that the man who keeps his place painted and up-to-date is the man who makes the success of his business. The young Mr. Noe has a palatial dwelling commanding a view of as pretty a piece of country as can be found in this broad land. No visitor to this town should miss seeing this model establishment of the roses.

There are several other large places in this vicinity, but lack of time prevented any further examination, and one gets tired seeing house after house, nothing but roses. There is no reason why roses should grow any better here than elsewhere. While the soil is good it is no better than can be found in any section of the country, and the reason why the business has become so localized is simply because the early establishments have served as schools for the later fellows to graduate from. VISITOR.

CHICAGO.

The Market.

The local retailers have been very much disappointed with the business this week, having anticipated considerable increase as the result of the centennial celebration, which has filled the city with visitors. Of course, there are a few large orders, resulting from the entertainment of prominent guests, and decorations for store openings, but nothing in which the trade at large can share. Shipping trade has been good, however, and the wholesalers are not complaining.

There has been a large increase in the receipts of Beauties and all requirements can now be met without difficulty and even with some concession in quoted rates. Good Brides and Maids are scarce, but there is plenty of low-grade stock. Chateau is plentiful, but good, and red roses are also in better supply. Carnations are very good for the season and are so plentiful that they leave little opening for the late asters. A few chrysanthemums are coming in, and sell readily at fair prices. Violets are in pretty regular supply, but are very small as yet, and very slow sale. Valley is good and green goods plentiful.

Various Notes.

There was a well-attended special meeting of the Florists' Club at the Sherman House last Friday night. The committee which was appointed at the recent supper at the Union reported a list of suggestions as to how a more general interest may be created in the affairs of the club. It was the consensus of opinion that the club's interests would be conserved by changing its name to Chicago Florists' and Gardeners' Club and that occasional supporters on the order of the one recently held would be desirable. A number of committees were appointed, principal among which are those on membership, the season's program and on co-operation with the Horticultural Society of Chicago. The next meeting is scheduled for October 14.

Gunnar Teilmann, of Marion, Ind., on Tuesday began sending E. C. Amling some very good chrysanthemums, Monrovia for yellow being remarkably good for so early in the season.

Peter Reinberg shipped 1,000 Beauties to J. M. Gasser, Cleveland, on Tuesday

and also an order for 4,000 roses to Sunderbruch, at Cincinnati.

L. Coatsworth has been at New Castle this week, and is pleased with the way stock looks.

B. Eldredge, of Belvidere, is sending in some very good carnations.

The wholesalers have agreed that, as the express companies will not pick up packages after 6 p. m., there is no use keeping open beyond that hour.

The Fleischman Floral Co. had a very attractive turnout in the centennial parade Tuesday evening.

Lester E. Partridge, of Sharp, Partridge & Co., the glass dealers, is just out after a five weeks' lay-off, recovering from an operation for appendicitis.

Flint Kennicott has been under the weather for several days.

W. N. Rudd was at Springfield Tuesday, to help organize an association of the cemetery interests of the state.

J. E. Holden is doing a very nice business on Forty-seventh street, between Calumet and Prairie.

Fred Rowe, brother of Harry Rowe, the Monroe street retailer, has gone to Joliet to take charge of the Chicago Carnation Company's new retail store and plant houses.

It is stated that one of the local growers has benched plants of forty-three varieties of carnations.

P. J. Hauswirth, Mrs. Hauswirth and Miss Kreitling returned last Tuesday from their very enjoyable New York trip.

The E. F. Winterson Co. has sent out a large edition of a very up-to-date catalogue.

Visitors: Hugo Schroeter, Detroit, Mich.; E. R. Gesler and Mrs. Gesler, Galesburg, Ill.; M. Stauch, foreman for J. F. Wilcox, Council Bluffs, Ia.; Fred Dorner, Jr., and F. E. Hudson, Lafayette, Ind.; E. C. Keck, Washington, Ia.; A. E. Crooks, Benton Harbor, Mich.; J. H. Vincent, of the Flower City Plant Food Co., Rochester, N. Y.

TORONTO.

The Market.

Trade during the past two weeks has been somewhat irregular, yet on the whole very good. A few large weddings about the middle of September cleared up stock and, with small decorations, everything has been moving nicely. Retail and wholesale men, with scarcely any exception, claim a good margin over last year's business, while the prospects for October are very bright.

Notes.

The decoration put up this week by J. S. Simmons for the Canadian night at Masonic lodge was very unique. Maple leaves and palms were used for banking, while baskets of dahlias and roses were used for floral work. Some baskets in the form of ships and automobiles were used to good effect.

Geo. Gard, of Pape avenue, took unto himself a wife this week. They have gone on a trip through the eastern states.

H. Endean, of St. Lawrence market, reports prospects very good for the coming season. The new St. Lawrence market has not been a great success financially for those doing business there. However, Mr. Endean has stuck faithfully to it right through and notices a gradual

improvement in business and others give encouraging reports.

Visitors: John Dobbie, Niagara Falls, Ont.; Miss L. C. Bradt, St. Catharines, Ont. D. J.

ST. LOUIS.

The Market.

Trade among the retailers is reported as slow in all lines. The cool spell did not last long enough, the weather having become quite warm again, and the cut flower displays have disappeared from the show windows of the retailers. The growers say that a good, hard frost is needed to start the business up for good. There is every evidence that the coming season will be an improvement over the last from a business standpoint. A look through the wholesale houses several times the past week showed plenty of well grown stock of all kinds, with very little demand, conditions just opposite to those of the previous week. The cut stock that is in is of very good quality, especially the roses, which have good color and foliage. Prices on choice Brides, Maids and Meteors range from \$6 down to \$2 per 100. Perles sell slowly at this time of the year. Beauties are selling fairly well, with a good supply in the market at present. The choice this week bring \$3 per dozen and the shorts bring 75 cents. Carnations are more plentiful than they have been for some time, but the demand has been slow. Fancies sell well, but for common stock there is hardly any demand. Short outdoor stock nearly all went to the waste pile. The price opened this week at \$2 for choice and 50 to 75 cents for short stock. A few chrysanthemums are coming in, but not enough to quote prices on. A few violets also are in, but they are not good enough to put on the market. Valley is of good quality and the market is fairly well supplied. Outdoor stock is about over, very little of it coming in at present. Single tuberoses are still selling well, at \$4 per 100 stalks. Smilax is in rather good supply, but the demand is rather slow. In other greens the market is in a healthy condition.

Notes.

Dan McRorie, representing W. A. Mandala, of South Orange, N. J., is in town, looking none the worse from his recent sickness in Chicago. Dan says business was never better in his line.

Harry, eldest son of A. Jablonsky, florist at Wellston, had his leg crushed in an elevator the past week. From last reports the young man is mending nicely.

Miss Theresa Badaracco left last Friday for Chicago and West Baden Springs for a ten days' stay.

George Brown, landscape gardener from England, has arrived to take charge of the landscape work at the English building at the World's Fair grounds.

The Civic Improvement League, at Tower Grove and Shaw avenues, awarded first prize to Richard Hatch for having the best garden plot in the five-acre tract managed by the Junior Horticultural school.

Mrs. M. M. Ayers, who has been sick so long, has about recovered and expects to be at her place of business in about ten days.

C. A. Kuehn and J. F. Ammann visited Springfield last Sunday and Monday, calling on the trade and attending the State Fair, which opened on Monday, September 28.

The show houses of some of the West End florists are very attractive, especially those of F. C. Weber, Mrs. M. M. Ayres and George Waldbart.

The lady florists' bowling club rolled their first games last Wednesday afternoon at the Blue Ribbon alleys. Sixteen ladies responded to the call. In the three games rolled Mrs. Theo. Miller was high, making an average of 100 in three games. Mrs. Carl Beyer was second and Miss Birdie Meinhardt third. Fred C. Weber and J. J. Beneke assisted the ladies and kept score. Miss Tillie Meinhardt was appointed treasurer. Visitors from the East Side who witnessed the bowling were Mr. and Mrs. J. F. Ammann, of Edwardsville, Ill.; Mr. and Mrs. E. W. Guy and daughter and Mrs. Fehr, of Belleville, Ill., and Miss Schnell, of East St. Louis, Ill. Every Wednesday afternoon will find the ladies bowling, commencing at 2 o'clock.

J. D. Carmody, of Evansville, Ind., is spending a few days in St. Louis, reading "O'Mara to the Rescue" and wondering what Brother Scott will have to say in the next issue.

The florist bowlers on Monday night rolled three games and the scores show a big improvement over the week before. Theo. Miller was high, Carl Beyer second and Will Adels third. Following are the scores:

Player.	1st.	2d.	3d.	Tl.
Miller	172	178	214	564
Beyer	184	194	171	549
Adels	175	197	176	548
F. C. Weber	167	142	142	451
Ellis	144	147	149	440
Young	127	126	126	379
Meinhardt	149	150	130	429
Weber, Jr.	136	135	158	429

J. J. B.

CLEVELAND.

The Market.

The weather has been slightly cooler for the past week, and as a consequence trade has been better. Roses and carnations show a decided improvement in quality, but these, with a few asters, are about the only cut flowers to be had here at present. Prices remain unchanged. The J. M. Gasser Co. cut the first chrysanthemums last week, and it will not be long before they can be had in quantities.

Notes.

Quite a number of our growers are talking of putting natural gas burners under their boilers and using gas instead of coal for heating their places. Bramley & Son and F. W. Zichman have it already in, and are prepared for cold weather. They think that it will be a great saving in both money and labor.

F. L. Evans is back from a three weeks' vacation, spent in the wilds of northwestern Ohio, on a farm.

Some very fine Kaiserin roses were seen this week at the F. R. Williams place.

The Cleveland Florist Club held its annual picnic on September 23, at Forest City park. While the date was late in the season, the day was fine, and a large party of florists, with their families and friends, had a jolly good time. E.

RICHMOND, IND.—The E. G. Hill Company is endeavoring to get title, by purchase or exchange, to twenty-two acres of adjacent property belonging to the city. A new heating plant and quite a good sized addition to the range of glass will be erected in case the deal goes through.

NEW YORK.

The Market.

Business conditions in New York city in the cut flower department, both wholesale and retail, seem to reflect the condition of securities in Wall street. A bull market there is synonymous with prosperity in the florist business. That great barometer of trade is in the dumps and the effect of losses there by the men who spend their money lavishly for luxuries is felt first by the men who cater to the aesthetic in human nature, and one of the first retrenchments by these spenders is to cut out the flowers. Good times in Wall street mean prosperity for the New York floriculturists. Fortunately there is a bottom to everything and the financiers chose the dull time of the year to depress things, so that the natural swing of the pendulum will bring better times just about the period when chrysanthemums are ripe and the busy fall season actually begins. Watch things boom in October and expect a great holiday season. It is as certain as was the natural depression of the summer, and the commencement of the good times coming cannot be long delayed. The supply men have already had a splendid shipping season and all seem more than satisfied with what has been accomplished and the work in prospect from now on until the holidays.

Institute Exhibition.

The American Institute exhibition closed last Thursday night. The attendance was fairly encouraging and the display of plants, etc., satisfactory. The new 'mum, Opah, from Nathan Smith & Son, of Adrian, Mich., arrived late but made many friends. It is a decided acquisition among the early whites, strong stemmed, averaging five inches in diameter, a splendid shipper, and deemed worthy by the judge of a special prize. John Lewis Childs exhibited an immense assortment of crotons, fancy caladiums and other ornamental plants. Lager & Hurrell, of Summit, N. J., had their usual fine display of orchids in large variety, and Siebrecht & Son, of New Rochelle, and Julius Roehrs, of Rutherford, grand banks of palms, ornamental plants and orchids as creditable as any these firms have ever placed on exhibition. The showing of fancy and cactus dahlias was large and superb in quality. The new pink dahlia, shown by H. F. Burt, of Taunton, Mass., was especially handsome. Charles H. Allen, of Floral Park, again exhibited his new White Lawson carnation, and G. T. Schuneman, of Baldwins, L. I., violets. L. A. Martin, of Greenwich, Conn., Hugh McCarron, of Fair Haven, and G. P. Sorenson, of Stamford, staged fine displays of fancy grasses and hardy flowers. As is their custom, Ellwanger & Barry, of Rochester, had a grand exhibit of fruits of all kinds. H. F. Burt was one of the principal prize winners in the dahlia classes. W. P. Lothrop also figuring prominently. J. P. Sorenson, Stamford, Conn., J. Dowlin, Seabright, N. J., L. A. Martin, Greenwich, Conn., and others made good showings.

Various Notes.

Reed & Keller have a fine novelty in their folding Christmas bells and the demand has necessitated a second cable already.

James A. Hammond has returned from his summer home at Port Washington,

L. I., for the strenuous winter season. Mr. Hammond is handling palms and plants as usual and has some fine, large decorative phoenix on exhibition.

John J. Perkins reopens his branch store at 48 West Thirtieth street this week and his foreman, Hugh Nelson, returns from his European trip at the same time.

S. Masur, for five and one-half years with J. V. Phillips, has opened a retail store at 238 Fulton street, Brooklyn. Like many a retailer, he was stocking up the new store with palms and ferns at Elliott's last week, where the auctions afford many bargain opportunities.

Mr. Humphrey, of Thorlèy's, met with a painful accident at Bell Port, L. I., a couple of weeks ago—a fall from a porch that dislocated his shoulder and laid him on the shelf for six days. He is now in harness again. A large wedding out of town is under way, which will engage his best efforts early in October.

The Jewish holidays last week were a factor in the improvement in business early, which emphasized their value by the decrease noted before the week was over.

Chrysanthemums are asserting themselves quite prominently. On Monday Thorlèy had a window of them that was very effective, banked with crotons.

Rudolph Windt, of St. Louis, has come to town, backed by the excellent testimony of Vice-President Beneke, and has secured employment with J. H. Small & Sons.

H. Ramm, of Secaucus, is cutting some fine Bergmann chrysanthemums, which are consigned to John Young.

Mrs. Kelly, bookkeeper for the Rosary, has returned to New York after a seven weeks' visit at her old home in the Emerald Isle.

Dr. N. L. Britton, of the New York Botanical Garden, has returned from a month's horticultural tour in Cuba.

Arthur Cowee, the gladiolus expert, was in the city last week. His exhibit of Groff's hybrids at the New York State Fair at Syracuse was one of the finest displays of the great yearly exhibition.

Mr. and Mrs. Hauswirth and Miss Kreitling, of Chicago, enjoyed a four days' stay in New York on their way from the Atlantic City Redmen's convention.

A week from next Monday the opening meeting of the New York Florists' Club for the season takes place at its rooms in the Grand Opera House. Some novelties in flowers will be on exhibition and a large attendance is anticipated.

President Herrington was in the city last week, full of enthusiasm as to the coming chrysanthemum exhibition. There is no doubt of the show being a grand success.

A brief call at Tarrytown on Saturday demonstrated the influence of the S. A. F. convention exhibit as to Piers ni. boxes and crates of this great fern being in process of packing and shipment, and the demand growing daily for commercial sizes in 6 and 8-inch pots, of which there is still an abundance sufficient to last until the cold weather makes shipment risky.

Fred C. Chadborn, of Newburg, president of the Chadborn Automatic Ventilator Co., reports a growing demand for the ventilator since the convention, and the new factory seems to have made a wise provision, as well as a necessity.

Mr. Chadborn will be married October 6 and the trade generally extends congratulations.
J. AUSTIN SHAW."

PHILADELPHIA.

The Market.

Carnations are increasing in quantity, all the wholesale houses having more flowers this week. The quality is very fair and their place is ready, asters being about over. Beauties are more plentiful and lower in price. The first chrysanthemums made their appearance last week, P. N. DeWitt, of Croydon, sending in Montmort to S. S. Pennock. Both yellow and pink have since arrived at E. Bernheimer's. Double violets have also come. Charles Black, of Hightstown, is sending in some nice flowers to W. J. Moore. Dahlias are popular and continue to arrive in great quantities, W. P. Peacock sending in 5,000 to 10,000 daily. The fancy sorts with long stems are bringing good prices.

Loss at West Chester.

A severe hail storm passed over West Chester about four o'clock on Sunday afternoon, doing great damage at the greenhouses of Joseph Kift & Son and Hoopes, Bro. & Thomas. The loss at both places was great to both glass and plants. Photographs seen at the city store of Joseph Kift & Son show a number of badly smashed houses. Neither firm, it is said, was insured. Much sympathy is expressed for the sufferers. The damage so late in the season is especially unfortunate.

Oxford.

Charles E. Meehan, the Flower Market's popular manager, visited the Oxford growers last week. He was pleased with the general condition of stock, which was strong and vigorous, having suffered but little from stem-rot. William A. Walton is very progressive and is trying a number of new varieties, among them Boston Market, The Queen and Governor Wolcott. He has increased his planting of Prosperity. He also has a fine house of Asparagus plumosus. Norman Wilson does Flora Hill exceptionally well. This variety seems thoroughly at home in Oxford. Lloyd & Son are also fine carnation growers, who will be heard from this season. N. D. Hutchinson, who lately embarked in the business, has two houses of carnations. Many of the plants were not yet on the benches, either just planted or still in the field, the Oxford men believing they get better results from late lifting. Stem-rot has done havoc at Kennett Square, a house of sweet peas here, tomatoes there, being made necessary by the shortage in carnations.

Bowling.

It was not to be expected that our bowlers would remain idle after their great convention triumph. "Never should the sword be allowed to rust in the scabbard" is an old saying that applies to many things, bowling among others. This week (Friday, October 2) a great match is to be started on the home alleys, wholesalers vs. retailers, best two in three, the former led by Walter N. Yates, who did such fine work in his maiden match at Milwaukee, and the latter, it was expected, by the redoubtable Robert Kift, whose eloquence when describing his team's victory so

delighted the members present at the last club meeting.

Notes.

Samuel S. Pennock has just returned from Europe after a splendid trip. He will be followed by some novelties of interest to the retailers.

The club meeting next Tuesday evening, October 6, will be full of interest. A. H. Whetstone will read a paper on "Vacuum Heating," giving new ideas on economizing fuel, and Edward Reid will give his views about "The West from a Commission Man's Standpoint," which should be well worth hearing, as Mr. Reid is thoroughly posted on this home subject.

Edwin Lonsdale is cutting a few Queen of Edgelys now. They go to the Flower Market. Mr. Lonsdale will be an important factor in the production of this rose this season, having the greater part of his place planted with it.

A. J. Pennock is sending in quantities of fine valley to his brother.

Eugene Bernheimer is receiving fine early yellow and pink chrysanthemums.

C. A. Dunn & Co. are receiving pink bouvardia from Arthur Mallon, Jr.

M. Rice & Co. report a heavy fall business. They are working hard to get orders out.

Joseph Heacock reports September palm business the largest he has ever experienced, with many advance orders for October. Some sizes are all sold. One order shipped to San Francisco is the third received from this same buyer.

PHIL.

CINCINNATI.

The Market.

It looks as if all chrysanthemums will be late about this city; even the earliest varieties are very backward and will not be in much before October 10, if then. During the past couple of seasons early mums have not been all that could be desired. Last year Estelle was the first of good quality and it sold well. This year the same variety is looking very promising and will doubtless keep up its record.

There is a lively demand for all kinds of stock, and, though the supply is somewhat limited, there is enough good stock to make the daily sales run up pretty high. The present weather is good on all kinds of stock and its continuance will greatly improve the quality. Beauties of very good quality are to be had. The longest stems run about thirty inches and bring \$2.50 to \$3 per dozen. Medium-stemmed ones always seem to have the call. Other roses are much the same as last week as to quality, but the supply has about doubled. Asters and gladioli are still holding on and some very fair stock is to be had. Carnation receipts are increasing daily. They sell readily. The B. K. & B. Floral Co., of Richmond, Ind., is sending in some very good blooms of Dorothy, Harry Fenn, Richmond Gem, Gov. Lowndes and Enchantress. Cactus dahlias are seen now and then and are the only kind that will sell. Lily of the valley is scarce at present.

Notes.

Mrs. Herman Schlachter, while riding to the city from her home on Spring Grove avenue, dropped a roll of bills amounting to \$125.

Geo. Murphy is busy building a large

greenhouse. His stock this year is looking well and a good yield is looked forward to.

Albert Gray was in a runaway accident and was badly used up. No bones were broken but his head and face were cut badly.

Wm. Speck has completed a new greenhouse 128 feet long. It is a modern structure and takes the place of several small houses which he tore down.

Fred Gear is spending a few days in Chicago. He will doubtless make his presence felt, as Fred is somewhat of a hustler.

Huntsman & Co. have about finished remodeling their plant. All the houses have been put in first-class shape and a new boiler has been installed. Stock is in very good condition, especially carnations. Mr. Huntsman's place is located in Kentucky, overlooking the Ohio river.

C. J. OHMER.

BROOKLYN, N. Y.

Death of Captain Hall.

W. H. Hall, of 20 Stewart street, Brooklyn, died September 19 after an illness of two years. He was born at Oyster Bay 72 years ago and was the captain of a whaling vessel for many years, retiring from a sailor's life about twenty years ago. Since that time he had successfully conducted a florist business near the entrance to Evergreen cemetery. He was very popular in the East New York section of Brooklyn, where he was familiarly known as Captain Hall. He leaves a widow and daughter. Interment was at Westfield, Mass.

PROVIDENCE, R. I.

Death of John Barclay.

John Barclay, the venerable seed traveler, died at his home at Providence, R. I., September 18, of heart disease, being found dead in bed. He was a native of Aberdeen, Scotland, born in 1830, and for many years traveled for Benj. Reid & Co. He came to this country about twelve years ago, and was employed by John Gardiner & Co., Philadelphia, and later by Vaughan. He had made his home at Providence since last April. He is survived by a widow and three grown children, all in Europe. J.

DAVENPORT, IA.—Allison & Littig have completed a new greenhouse. Koltzan & Meyers were the builders.

LAKE CHARLES, LA.—J. Neuvander has just returned from an extended trip to Central and South America.

STEUBENVILLE, O.—Miss Jennie McDowell will go into business with Miss Agnes L. Wells, the firm continuing at the present stand as Wells & McDowell.

IN the advertisement of James King, Elmhurst, Ill., in the issue of September 24, some of the type did not show up as it should, notably in the item regarding *Pæonia alba plena*, which is \$2.50 per doz., \$15.00 per 100.

PLEASE discontinue my advertisement; all my surplus stock is sold and I am getting handful of letters by every mail, all in want of the stock advertised in your paper. THE REVIEW is all right; I shall try it again when I have surplus stock.—JOHN BENNETT, Blue Point, L. I., N. Y.

BUFFALO.

Current Comment.

So far we have escaped frost, and yet outside flowers are on the ragged edge and will soon be all over. Dahlias are little grown in this neighborhood. As-ters are about over. Fine gladioli come in from Rochester. That most brilliant, fine keeping variety, 1900, seems unequalled in its class. Cosmos, that most beautiful decorative flower, is about ready to give us its pretty blossoms when Jack Frost appears. So we will soon be busy again with the same old reliables that form our stock in trade year after year. Roses are gaining in quantity and quality and good ones find a ready sale. A few violets are seen occasionally, but they are as yet only an excuse for the sweet little blue gems. Some very fair carnations are offered and find a ready sale. The best we have seen yet are Boston Market for white, the Marquis and Joost for pink, and of course the wonderful Enchantress in its color. A bunch of this just now reminds you of the joyous time when you first saw developing, day by day, the vigor, habit and bursting buds of the immortal Lawson. Later on we expect to feast our vision on a much larger bench of Prosperity, and perhaps Harlowarden will start us dancing the Highland Fling, but that is to come later.

There are a good lot of 'mums in this neighborhood. C. F. Christensen has a fine house of useful varieties. J. H. Rebstock, on Elmwood avenue, has several benches in good order. Mrs. Schoenhut, on William street, has a new house, erected last spring, filled with good commercial varieties, and William Eahman, who rents the Troup establishment at Corfu, has 12,000 very promising plants. David J. Scott, who runs papa's place at the above village, has 1,500 single-stemmed Robert Halliday. This fine yellow seems very early this year. Buds the size of silver dollars and showing color should mean flowers to cut by October 10. D. J. S. has also a very fine dark seedling, to which he is very attentive and which he has named Edith. It is his intention eventually to discard all other varieties.

It has not been our good luck to meet many of the visitors who have called late, but we did not miss them all. J. D. Eisele, of Riverton, and G. D. Clark, of Henry A. Dreer, both found their way out to Corfu and we felt honored; also Mr. Miller and wife, of East New York. L. I., just on a little holiday trip, and Edward Fancourt, who talks ribbons so glibly and artistically for S. S. Pennock. These were a few of the visitors, and there was another one, whom we are always glad to see, Phil Hauswirth, of Chicago. It is some weeks since he was here, but we still recollect his remarks. They did not seem to relate to wholesaler, retailer or the grower. He said: "The track was fine, especially for mud horses;" "attendance poor;" "odds good;" "dope correct;" "talent off" and much other technical phraseology which was all Sanscrit to me. W. S.

WHEN a man's advertising shows that he is thoroughly interested in his business, his business is sure to become interesting to others.

AUBURN, N. Y.—Ernest A. Patrick, who is interested with his father in Patrick's Greenhouses, was married September 16, to Miss Jennie May White, of Kelloggsville.

GARDENING UNDER GLASS

HENRY MILLER, at Lincoln and Balmoral avenues, Chicago, has built five connected houses 23x150 and planted them all to lettuce. It is a fine range.

LETTUCE.

Lettuce seed should be sown at regular intervals, according to requirements. We usually begin sowing for the first indoor crop about the middle of September, so that we can have them ready to succeed those grown in frames, which we depend on to supply us until around the holidays. Though we have had lettuce in eight weeks from time of sowing, it is better to allow them about ten weeks, as progress so much depends on the brightness of the weather. Suitability of the house and situation must also have considerable influence on the length of time required to mature, and the grower can only judge for himself what allowance he must make in his individual case.

In sowing we prefer to use flats about two inches in depth. This depth gives the water a chance of quickly draining off and obviates the danger of the soil becoming sour. We prefer to use a light, free soil rather than one that is too retentive; the little plants not only do better in this, but they are easier taken out without damaging the roots when pricking off. It is poor policy when sowing the seeds to sow too thickly; rather sow a flat or two more and sow thinly, so that there will be no danger of the plants crowding one another until they are large enough to prick off. Pricking off should not be neglected, but should be done just as soon as the plants are large enough to handle, so that their progress will receive as little check as possible. One of the secrets of lettuce forcing is to keep the plants growing steadily from start to finish.

A night temperature of from 45 to 50 degrees is quite high enough for young plants, allowing a rise of about 15 degrees by sun heat. A light, airy situation will keep the plants stocky and guard against thinness of texture in the leaves. The most troublesome insect enemy that the lettuce grower has to fight is greenfly. This sometimes attacks the plants in a small stage, and as prevention is better than cure, it is a good plan to have tobacco stems freely distributed in the vicinity of the young plants. W. S. CROYDON.

HEATING LETTUCE HOUSES.

I have two houses 28x125 feet, twelve feet to ridge, glass on one end only and three feet in the south wall. Have a tubular boiler with forty-three 3-inch flues fourteen feet long. I would like to use hot water without using 4-inch pipes and the returns would better be on the side walls as we want to use the houses for lettuce. What size of chimney is required? Can it be arranged to use steam in severe weather? R. Z.

Each house will require fourteen lines of 2-inch pipes to maintain 45 degrees to 50 degrees on the coldest nights, with water circulation, open system, or if with a pressure system, the tank being at least ten or twelve feet above the coils, twelve lines would answer. The arrangement of pipes would be two flows and two re-

turns on each side wall, two flows on top of center column, with two returns well up on each of the two side columns. The smoke stack should be eighteen or twenty inches in diameter and about thirty to thirty-five feet high above the top of the boiler. A combination steam and water system can be arranged, but it is better to stick to either one or the other and have it perfectly planned.

HENRY W. GIBBONS.

NEW ORLEANS.

Horticultural Society Meets.

The New Orleans Horticultural Society met September 18, President Joseph Steckler occupying the chair. A communication was received from the National Nut Growers' Association, which is to meet in this city, at Audubon park, October 28-31, requesting the New Orleans horticulturists to take part in the proceedings. It was decided to have the association represented at the convention, and the sum of \$25 was voted for entertainment purposes.

Mr. Newsham, who has charge of the preparations for the exhibit at the St. Louis exposition, reported that he is getting along in a very satisfactory manner. Among the plants already on hand he has twenty-four varieties of large-sized palms, and he expects to have altogether thirty-five to forty varieties. Mrs. Anna S. Kouns, of No. 1218 St. Andrew street, was the first non-member of the association to send specimens for the exhibit. She sent two splendid Boston ferns.

Messrs. Valdejo, Chopin and Papworth, of those who represented the association at the recent convention of the national association of florists held in Milwaukee, each gave an account of his observations and experiences, the gist of which was that the florists of New Orleans have much to learn in regard to the profitable raising of flowers. The men of the north know how to grow flowers, even if at considerable expense, and they know just what kinds to grow for the market, and they get big prices. New Orleans ought to control the market for palms, ferns and even rubber plants, gardenias and carnations. The only essentials are proper houses, proper men and proper ground. The florists here could, by finding a débouché for their products, make a fortune, because they can grow flowers, palms and ferns fifty per cent cheaper than the florists in the north.

LAURELBRANCH, N. C.

The trade in galax leaves this season promises to be of considerable importance, as the demand is always good and the season's crop is above an average in quality in this locality. But bronze leaves are likely to be from two to three weeks later than usual owing to the absence of frost, which usually reaches here by September 15. Were it not for this trade many of the poorer classes would suffer, as they depend on the galax trade largely for a living.

M. L. Henderson has gone out of business.

Woodruff & Miles, of Cherry Lane, are preparing for the trade.

Mrs. Alice Bryan has removed to Trap Hill, where a new branch railroad will soon be built.

It now looks as if 2,000 cases will go from this locality during the season. Vegetation is still as green as in midsummer. B.

The Florists' Manual

NURSERY NEWS.

AMERICAN ASSOCIATION OF NURSEYMEN.

Pres., N. W. Hale, Knoxville, Tenn.; Vice-Pres. F. A. Weber, St. Louis; Sec'y, Geo. C. Seager, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-eighth annual convention will be held at Atlanta, Ga., June, 1904.

WM. T. TERRELL, Bloomfield, Ind., died September 22, of typhoid fever. He was 51 years of age, a native of Virginia and had built up a large nursery business. He leaves a wife and eight children.

NURSERY STOCK AT ST. LOUIS.

A large area is set aside at the St. Louis exposition for the reception of the distinctly American trees, shrubs and evergreens. Information as to new or desirable things which ought to be included in such a collection will be cordially appreciated, and growers are requested to participate, in order that a complete showing may be brought out. It may be added that full credit will be given all who join in this exhibit. A general acceptance of this invitation will certainly bring out an astonishing number of little-known things, having decorative value and possessing merits of hardiness and adaptability fitting them for general or special uses.

Plans have been arranged for an exhibit of all classes of fruit trees and plants that are offered for sale by nurserymen in all parts of the world. A sufficient area of desirable land comprising about ten acres has been assigned to the department of horticulture for this purpose. It is believed that these exhibits will be of interest to fruit growers, nurserymen and all interested in horticulture, for they will be made of nursery stock that is grown under unlike conditions in widely separated localities.

The leading nurserymen have generally signified their willingness to co-operate in making this exhibit an interesting as well as an instructive one. The different methods employed in propagating fruit trees will be shown, including a comparison of grafting and budding apple trees, spring and fall budding of the peach, top working the apple, etc. A collective exhibit of the nursery stock of all different fruits of the sizes usually offered for sale in the nurseries would afford a splendid opportunity to study the characteristics of the different varieties and types.

The outside strawberry plant exhibit is an interesting feature of the outdoor planting. A number of the exhibits are on the ground now. This exhibit will not only contain the standard varieties, but also new varieties that have been produced during recent years by plant breeding.

The exposition will, of course, assume no risk whatever as to the stock sent for exhibition in the department of horticulture. Every care will be taken to so place and cultivate it as to bring about the best results, but no guarantee is given or implied. Experienced gardeners will be employed, good soil and fertilizers furnished, plenty of water pipes laid within reach of every tree, shrub and plant, and every known precaution taken to secure the best conditions in each individual case.

My New Catalogue

has again been published and is to be obtained on application. Those who wish to have first-class plants at moderate prices should not fail to ask for it.

B. W. DIRKEN,
Nurseryman,
OUDENBOSCH, HOLLAND.

Mention the Review when you write.

American WHITE ELM

Nursery Grown Transplanted Trees.

Best Trees for Park and Boulevard.	Each
25,000 White Elm 2 to 3 in. diam.,	\$1.00
5,000 White Elm 3 to 4 "	1.50
1,000 White Elm 4 to 5 "	2.50
1,000 Hackberry 2 to 3 "	1.25
250 American Linden 2 to 3 "	1.25
50 European Mt. Ash ... 2 to 3 "	1.50
1,000 Hardy Catalpa Speciosa. 4 to 6 ft. high,	10c
1,000 Russian Mulberry 5 to 7 "	10c
500 Russian Mulberry 8 to 10 "	25c

Thirty-one years' experience growing Nursery Stock in Minnesota. Send for Price List.

Address **CHAS. HAWKINSON,**
EXCELSIOR, MINN.
Mention the Review when you write.

W. & T. SMITH COMPANY,
GENEVA, N. Y.

Wholesale Growers of **ORNAMENTAL TREES,**
shrubs, Roses, Clematis, Fruit Trees and Small Fruits in great variety

Send for our Wholesale Price List.
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Send to **THE MOON**
Company
For { Trees, Shrubs, Vines,
Your { and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.,
Morrisville, Pa.

Seed Trade News.

AMERICAN SEED TRADE ASSOCIATION.

Pres., S. F. Willard, Wethersfield, Conn.; First Vice-Pres., J. Chas. McCullough, Cincinnati, O. Sec'y and Treas., C. E. Kendel, Cleveland, O. The 23d annual meeting will be held at St. Louis Mo., June, 1904.

THE Western Seed & Irrigation Co. Waterloo, will build a warehouse at Fremont, Neb.

It is reported that the autumnal weather has thus far been unusually favorable in the seed growing district at Erfurt, Germany.

THOMAS S. PRINE and Edson Potter, of Greensburg, Ind., have started in the field seed business at Toledo, the firm name being Prine & Potter.

THE steamship Gallia, due at New York September 21, broke a shaft in mid ocean and put into Halifax September 28. Among other consignments were three earloads of French and Dutch bulbs, consigned to Chicago houses, and representing a total value of about \$10,000.

LATE reports from one of the principal seed corn growing sections of Ohio are not very assuring on the principal varieties used in the seed trade, late Mammoth and Evergreen. These are put down at a possible yield of from twenty-five to fifty per cent., the late sorts from forty to sixty per cent., the early varieties from sixty to ninety per cent. and about all the varieties of fall corn at from seventy-five to 100 per cent.

THE United States General Appraisers have sustained the protest of the John A. Salzer Seed Co., La Crosse, Wis., in the matter of an importation of Phalaris arundinacea, deciding that it should be admitted duty free as a grass seed, but the act of the collector in assessing 30 per cent duty on Russian winter vetch and giant spurry seed is upheld. The giant spurry is Spergula maxima, not S. arvensis. The goods were entered at Newport News, Va., September 19, 1900, and decision reached September 18, 1903.

A CONFLICT has arisen over the adjustment of the loss on the seed warehouse of H. W. Buckbee, at Rockford, Ill. The majority of the companies interested say that they should be held only for the cost of the seeds rather than for the market value at the time of the fire. They have demanded an appraisal. Western Manager Sheldon, of the American, of Newark, and Security of New Haven, with headquarters in Rockford, has settled the loss for those companies on the basis of the market price at the time of the fire.

THERE was a session of the directors of the Wholesale Seedsmen's League at Chicago, September 25, at which seed crops and prices were discussed at length. Among those present were President F. W. Bruggerhof, New York; Secretary Burnet Landreth and W. Atlee Burpee, Philadelphia; S. F. Willard, Wethersfield, Conn.; Albert McCullough, Cincinnati; L. L. May, St. Paul; F. W. Barteldes, Lawrence, Kan.; J. B. Rice, Jr., Cambridge, N. Y., and others. The Western Seedsmen's League discussed the same subjects at Chicago the day before.

FLORISTS, NURSEYMEN, AND SEEDSMEN

who read the new American Gardening, learn what is doing in the Public Parks and Private Places throughout the country. A large space is devoted each week to news items covering these two features.

AS AN ADVERTISING MEDIUM
AMERICAN GARDENING BRINGS RESULTS.

It reaches those who spend the money; wealthy amateurs, private gardeners, and park superintendents.

Under New Management. Improved and Up-to-date.

Published weekly.

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Sample copies free.

American Gardening Co. (Inc.), 136 Liberty St., New York.

Mention the Review when you write.

NEW CROP SEED SWEET PEAS.

Blanche Burpee—Pure white.....35c per lb.
 Blanche Ferry—Pink and white.....35c "
 Captain of the Blues—Dark blue.....35c "
 Dark Lavender—Very fine.....50c "
 Countess of Radnor—Pale fine.....35c "
 Emily Henderson—Fine white.....35c "

Earliest of All—Fine forcer, pink and white.....50c per lb.
 Katherine Tracy—Fine rose.....35c "
 Mont Blanc—Extra fine white, good forcer.....50c "
 Navy Blue.....35c "

The Bride—White.....60c per lb.
 Christmas Forcing—Pink, per 1/4-lb., 40c; 1b. \$1.00. White, per 1/4-lb., 40c; 1b., \$1.00.

If wanted by mail add at the rate of 10c per lb. for postage.

STUMPP & WALTER CO., 50 Barclay Street, New York City.
 Branch Store, 404 East 34th St.,

Mention the Review when you write.

VISITED PHILADELPHIA: James Comont, of Carter, Dunnett & Beal, London, England.

BARTEDES & Co., Lawrence, Kan., are erecting a three-story seed warehouse 50x140 at Oklahoma City, Okla., the investment to be \$25,000.

THE Columbus Citizen recently printed an interesting illustrated account of the seed farm of the Livingston Seed Co., Columbus. It is stated that they have 250 acres in tomatoes this year.

ROSS E. LANGDON has bought the John Bachelor seed store at Utica, N. Y. Chas. Soder, for fourteen years with the house, will continue, carrying a full line of seeds, garden implements and supplies.

J. LELAND FOGG, an old and well known seedsman, died September 28 at his home at 481 Fullerton avenue, Chicago. He was 58 years of age and for the past six years had traveled for the Leonard Seed Co. Prior to that he was in business for himself. The funeral services were held at the chapel at Rose Hill cemetery September 30, Dr. Jenkin Lloyd Jones officiating.

C. P. COY & SON, Waterloo, Neb., write that "as yet there has been no frost in this section to do any damage, though it was a narrow escape for several nights and the weather yet remains cool. The light frost that we have had was rather a benefit to corn than otherwise, as it will start it to ripening up. Vine seed crops are very poor indeed, and there is now no chance for any improvement over present conditions. Owing to the long continued rains and cold weather the vines have died out without maturing fruit, and returns will be very light. Early sweet corn promises well and we do not look for any shortages on such varieties. The latter kinds require a continuance of the present good weather for two weeks or so yet."

THE Cox Seed Co., of San Francisco, is now sacking and shipping the crop of seeds, and Thos. Cox says orders are being generally filled in full. There is some shortage in onions and lettuce and sweet peas are the shortest in years, but on the whole it is the best all-round delivery for many seasons. Culinary peas were damaged by dry weather, the early varieties suffering particularly. Mr. Cox notes no falling off in the demand for sweet peas, in fact the call seems larger than ever. The labor problem is the most serious one the Pacific coast seed grower has to solve. "Chinese cheap labor" is now a myth. The Cox Co. is paying its Chinamen \$1.50 a day. The cost of seed production is constantly increasing while the general trend of seed prices seems to be downward. It would seem as though the time had come for the seed growers to "get together." The growers are specializing more and more as to locality and soil for various seed crops as experience teaches, and the grower of a general line has his fields pretty well scattered.

Burpee's Seeds Grow

SEEDS

THE ALBERT DICKINSON CO.

Timothy, Clovers, Flax, Hungarian, Millets, Red Top, Blue Grass, Lawn Grass, Orchard Grass, Pasture Mixtures, Bird Seeds, ENSILAGE CORN, POP CORN, BUCKWHEAT, BEANS, PEAS, ETC. COTTON GRAIN BAGS. CHICAGO ILL.

Buy Your Bulbs
 In St. Louis

PAPER WHITE GRANDIFLORA.

Selected Bulbs.....\$1.00 per 100; \$9.50 per 1000

.....IN STOCK NOW.....

Freessias, Callas, Harrisii, Bermuda Longiflorum, Candidums, Roman Hyacinths, Dutch Hyacinths, Tulips, etc.

BULB CATALOGUE

NOW READY FOR MAILING.

PLANT SEED CO.
 ST. LOUIS.



LONGIFLORUMS,

HARRISII,

FREESIA, OXALIS,

Now ready for delivery. CALLAS.

Annual Trade List of BULBS sent on application.

W. W. RAWSON & CO., Seedsmen

12 and 13 Faneuil Hall Square, BOSTON.

Mention the Review when you write.

VREDENBURG & CO.

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Lithographing, Printing, Engraving.

Binding exclusively for FLORISTS.

SEEDSMEN and NURSERYMEN

Sample Colored Plates free—Send for Catalogue

OF UNEQUALLED FACILITIES

THE ALLAN FIRE.

The following is a later account of the Allan Seed Co. fire at Sturgeon Bay, Wis.:

The large warehouse of the John H. Allan Seed Company was totally destroyed by fire about 3 o'clock on the morning of September 22. The loss will reach nearly \$25,000. The fire started in the second story, which is used for a picking room, and when discovered the upper floor was a mass of flames. The Goodrich and Goodwin-Harries Companies' warehouses were also scorched, the burned structure being directly in the center of a large number of warehouses.

There were 7,000 bushels of seed peas destroyed, valued at \$15,000; machinery, \$1,500, and building, \$5,000. The building is owned by Falk & Buchan and this is the second time in two years that the firms have been burned out.

I LIKE your paper better every week.
 —W. J. BURDETTE, Colorado City, Col.

ESTABLISHED 1802.

*Thorburn's
 Bulbs*

Our Wholesale Catalogue of Bulbs and Flower Seeds for Florists now ready.

We have a large stock of extra fine strong bulbs of

Lilium Harrisii

Send for our prices before ordering elsewhere.

Dutch Hyacinths, Narcissus, etc.

Now Ready.

J. M. THORBURN & CO.

36 Cortlandt St., NEW YORK.

Winter Flowering **SWEET PEAS**

Seed for forcing only.

ZVOLANEK'S CHRISTMAS—PINK.

FLORENCE DENZER—PURE WHITE.

Price—One pkt., 75c; 1 lb., \$2.50, mailed free. Not less than 75c worth will be sold. Sold only in my original packet, with directions.

Stock seed of this variety is carefully selected in my greenhouses from stems over 14 inches long. These two varieties, if sowed the first part of September, will bloom for Christmas. When planted in December, after latest mums, will bloom in February. Only small quantity left. First come, first served.

ANT. C. ZVOLANEK,
 GRAND VIEW, N. J.

Money Orders: Sommerville, N. J.

PANSY.

Superb mixed, unexcelled strain, 1/4-oz., 75 cts.; oz., \$5.00.

CINERARIA.

Dwarf and tall, finest mixed, each 50 cts. and \$1.00 per packet.

FERNS.

Pieroni, doz., \$3.00; per 100, \$22.00. Bostoniensis, doz., 60 cts.; per 100, \$4.00.

Splendid stock out of 2 1/2-inch pots.

W. C. BECKERT, ALLEGHENY, PA.

SAMUEL S. PENNOCK,
Beauties, VALLEY, ORCHIDS. We are open daily from 7:30 a. m. to 6 p. m. **Wholesale Florist,**
1612 Ludlow St., PHILADELPHIA.

Pittsburg Cut Flower Co. Ltd.
ROSES, VALLEY, CARNATIONS. **WHOLESALE FLORISTS,**
504 Liberty Ave., Pittsburg, Pa.

Mention Review when you write.

RANDOM NOTES.

GENEVA, N. Y.—W. & T. Cass report a big planting season. They have a grand lot of *Dracaena indivisa* planted out.

LITTLE FALLS, N. Y.—J. O. Graham is looking for a site of about ten acres on which to build a modern range of glass. Business demands it, he says.

AUBURN, N. Y.—Alfred Patrick is busy putting the finishing touches upon new rose houses. He has gone back to solid beds entirely. Archie, the oldest son and right-hand man, has taken a life partner and is receiving congratulations.

SCRANTON, PA.—George R. Clark has given up his greenhouses and can be found at the handsome store downtown. Marvin & Muir have a fine stand and do a business equal to the flourishing plant owned and run at Wilkesbarre by Mr. Marvin.

AMSTERDAM, N. Y.—J. C. Hatcher intended adding to his plant, but was prevented by labor troubles. George H. Hatcher is making improvements in the store, and returned from the convention filled with ideas. These gatherings are profitable to the boys.

ALLENTOWN, PA.—Ernest Ashley was a heavy prize winner at the annual fair held last week. He has made rapid strides since he located here about a year ago and has a large share of out-of-town trade. Horn & Co. are adding to their extensive plant and intend growing more roses.

ELMIRA, N. Y.—Parties here have received a letter from Harry Millatt, who is now located in the flourishing city of Portland, Ore., together with his picture, showing him walking the ties. Mr. Durand, who is the artist in Rawson's store, and with whom Harry labored for some time, believes there is a great future in the great west for such young men who adorn our profession.

BATAVIA, N. Y.—Paul Liebsch won the majority of first prizes at the county fair, closed this week. It is as good as a circus, attending some of these affairs, but I think the florist who stays out, either through indifference or other reasons, sometimes makes a mistake, owing to the large number of country folk who attend and who remember the florist as well as the stockman.

UTICA, N. Y.—“Doc” Rowland returned from a western trip convinced that Peter Crowe's fern, Brant's roses, Frank Baker's small ferns and his own carnations cannot be beaten, and have made the Grecian city famous. William Mathews is in the lead with orchids and chrysanthemums. Utica can boast of having

PEONIES

Last call on the following surplus. ORDER AT ONCE.

These varieties have all bloomed on our place and are true to name, and are not at all mixed. We make no charge for packing. The sizes given are as follows:

Small—Being plants of one or two stalks of this year's growth. **Medium**—Being plants of three to five stalks of this year's growth. **Large**—Being plants of six or more stalks and represents one, two or three-year-old plants.

Orders subject to stock being unsold and will be booked in rotation as received. To customers wishing a few plants we refer to our descriptive catalogue of last year and can generally give plants of same size as those there listed at prices given. Mailed on request.

WHITE SORTS.

- No. 4 **Festiva Maxima**—Paper white, flaked with carmine, true to name, 200 small at 60c each; 200 medium at \$1.25 each.
 No. 6 **Festiva or Drop White**—of Chicago market. Paper white with slight carmine markings. 300 small at 30c each.
 No. 7 **Queen Victoria or Whitley**—Best white for storage, 300 small at 30c each; 300 medium at 40c each.
 No. 11 **Couronne d'Or**—Late, large, ivory white, 35 small at 50c each.
 No. 13 **La Tulipe**—Blush white, with carmine tulip markings, 40 small at 40c each.
 No. 15 **Humea Alba**—Rose shape, blush white, very late, 50 small at 30c each.
 No. 20 **Golden Harvest**—Yellow center, blush guard, 200 small at 35c each.
 No. 21 **Grandiflora Nivea**—Blush white, crown shape, 35 small at 30c each; 20 medium at 50c each.
 No. 31 **Mme. Callot**—Fragrant bomb, blush guard, 25 small at 40c each.
 No. 38 **Marie Lemoine (Callot)**—Early, blush white, 15 medium at 35c each; 15 large at 50c each.
 500 fine, double pure white, one year old, 17c each.

PINK SORTS.

- No. 101 **Carnea Elegans**—Early pink, good keeper, 100 small at 25c each.
 No. 106 **Triomphe de l'Exp. de Lille**—Mid-season, pale rose pink, high center, 50 medium at 40c each; 100 large at 75c each.
 No. 111 **Victoire Tricolor**—Mid-season, large, fragrant, pink, 35 small at 25c each.
 No. 114 **Sidonie**—Early, pink guard, darker center, 35 small at 25c each.
 No. 115 **Cornucopia**—Large, delicate shaded pink, 70 small at 25c each.
 No. 120 **Mlle. Rose Rendatier**—Very full, deep pink, silver reflection, 70 small, 35c each.
 No. 135 **Lady Leonora Bramwell**—Early, solid, silver pink, 100 small at 40c each.
 No. 138 **Alex. Dumas**—First to bloom, mixed pink, fragrant; 100 large at \$1.00 each.
 No. 176 **Beaute de Villecante**—Deep pink guard, lighter center, 80 large at 60c each.

ROSE SORTS.

- No. 201 **Pres. de Montzey**—Massive rich rose, 50 medium at 40c each.
 No. 218 **Mme. Geissler**—Immense, rose, 25 large at 75c each.
 No. 221 **Jules Callot**—Very full, bright rose, 70 large at 60c each.
 No. 243 **Furst Bismarck**—Large, flat, rose guard, 25 small, 30c each; 35 medium, 40c each.

RED SORTS.

- No. 303 **Rubra Triumphans**—Bright, early, crimson, 75 small at 30c each; 50 medium at 40c each.
 No. 307 **Francois Orgetat**—Rich crimson, 100 small at 35c each.
 No. 308 **Ambroise Verschaffelt**—Late, crimson, 25 large at 50c each.
 No. 315 **L'Eclatante**—Blood red, 50 medium at 40c each.
 No. 318 **Gloire de Douai**—Rich red, 35 small at 25c each.
 No. 326 **Purpurea Superba**—Deepest early red, 100 small at 40c each.
 This list supersedes the one recently sent out.

PETERSON NURSERY, 164 La Salle Street, **Chicago.**

Mention the Review when you write.

well grown carnations, but just take a trip to Syracuse, which is close by, and see Marquisee's new sorts.

ROCHESTER, N. Y.—Fred Schlegel takes the palm for a house of Marie Louise violets. I have not seen anything to beat it. J. B. Keller's Sons are rushed with decorative work. The asters being grown by George Arnold cannot be excelled. F. Albert has opened a fine store here. He graduated from Riverton and Chicago and will no doubt find success in his venture. Colin Ogston has a splendid lot of *Cattleya Bowringiana* in flower, or rather a much improved type of that va-

riety, being minus the dark tips. It is a beautiful flower. Some immense specimens of *Platycerium grande* can be seen here. The Kimball conservatories were made famous by our old friend, George Savage, and are well maintained by his successor. M.

WAPPINGERS FALLS, N. Y.—The Wappingers Falls Dahlia Society held a very successful third annual exhibition September 18 and 19. John N. May acted as judge.

IN OUR classified advs. you can find everything you want all the time.

LEO NIESSEN. WILD SMILAX!

Galax Leaves and Hardy Ferns.

After Oct 1 will be open
from 7 a. m. to 8 p. m.

Wholesale Florist, 1217 ARCH ST., PHILADELPHIA.

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JOHNSON & STOKES' Longiflorum Multiflorum (Japanese)

Size 7-9 inches, \$4.25 per 100; \$40.00 per 1000. Free flowering, early,
producing large flowers. Selected carefully for Easter trade.

CHINESE SACRED LILIES.

EXTRA LARGE BULBS.....per basket (25 bulbs), \$1.50; per 100, \$5.50
REGULAR SIZE BULBSper basket (30 bulbs), \$1.40; per mat (120 bulbs), 5.00

NAMED DUTCH HYACINTHS. Splendid Bulbs, 17 centimeters and over. For pot forcing or bedding.

Single, separate colors and true to name.....per 100, \$4.75; per 1000, \$45.00

SINGLE OR DOUBLE DUTCH HYACINTHS.

15 centimeters and over. For bedding and pots.....per 100, \$2.90; per 1000, \$27.00

WRITE FOR OUR NEW BULB LIST.

JOHNSON & STOKES, 217 and 219 Market St., PHILADELPHIA, PA.

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Maplewood Cut Flower and Plant Co.

GEO. M. KELLOGG, Pres.

Growers of CUT FLOWERS at Wholesale.

Regular shipping orders given special attention.
We have the largest plant west of Chicago.

Store: 906 Grand Ave., KANSAS CITY, MO.

Greenhouses: Pleasant Hill, Mo.

Mention Review when you write.

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COTTAGE GARDENS

Wholesale Florists,

QUEENS, - L. I., N. Y.

Mention the Review when you write.

THE E. G. HILL CO.

Wholesale
Florists,

RICHMOND, INDIANA.

Mention The Review when you write.

The F. R. Williams Co.

Wholesale
Florists...

CLEVELAND, - OHIO.

Mention Review when you write.

HOLTON & HUNKEL CO.

WHOLESALE FLORISTS.

MILWAUKEE, - WIS.

Mention the Review when you write.

Wholesale Cut Flower Prices.

Philadelphia, Sept. 30.

	Per doz.
Beauties, Specials.....	2.00 to 3.00
Extra.....	1.25 to 1.50
No. 1.....	.75 to 1.00
Queen of Edgely, Specials.....	2.00 to 4.00
Seconds.....	1.50
Thirds.....	.75 to 1.00

	Per 100
Brides Specials.....	4.00 to 5.00
No. 2.....	2.00 to 3.00
Bridesmaids, No. 2.....	2.00 to 3.00
Specials.....	4.00 to 6.00
Kaiserin, Firsts.....	5.00 to 8.00
Seconds.....	3.00 to 4.00
Liberty, Firsts.....	5.00 to 8.00
Seconds.....	3.00 to 4.00
Ideal.....	4.00 to 6.00
Perle.....	2.00 to 4.00
Sunrise.....	2.00 to 4.00
Carnations, Commons.....	1.00 to 1.50
Fancy.....	2.00 to 2.50
Enchantress.....	4.00

Chrysanthemums. \$2.00 to \$3.00 doz.	
Lilies, Harrisii.....	12.50 to 18.00
Violets, Single.....	.20 to .50
Adiantum Cuneatum.....	1.00
Lily of the Valley.....	2.00 to 4.00
Gladfoli.....	1.00 to 2.00
Dahlias.....	.75 to 1.50
Fancy.....	3.00 to 5.00
Daisies, Yellow.....	1.00 to 1.50
Smilax.....	10.00 to 15.00
Asparagus, Strings.....	35.00 to 50.00

EDWARD REID, WHOLESALE FLORIST.

Beauties, Kaiserins and Valley.

1526 Hanstead St., PHILADELPHIA.

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Beauties, Brides, Maids
and Carnations.

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Dahlias! Valley!

YELLOW DAISIES.

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Penn Square, Philadelphia.

C. A. DUNN & CO.

Wholesale Florists,

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Roses, Carnations and Asters.

Bell and Keystone Telephones.

Consignments of Choice Stock Solicited.

Rice Brothers

128 N. 6th Street,
MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

WILD SMILAX—Flowers billed at market prices.

Shippers of Choice Cut Flowers and Greens
of all kinds. Try us.

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HELLER BROS. South Park Floral Co., NEW CASTLE, IND.

All grades and kinds of

...ROSES...

cheap, medium or high-grade

carefully packed and promptly shipped to all points. New customers
that commence now will get best service when roses are scarce.

Mention Review when you write.

Pandanus Veitchii

JOHN WELSH YOUNG, GERMANTOWN,
Upsal Station, Penna R. R.

Strong, clean plants, cool-
grown, 6-in. pots, \$1.00 each;
\$12.00 doz. 7-in., \$1.50 each;
\$18.00 doz. 8-in., \$2.50 each.
Also 9 and 10-inch.

Mention the Review when you write.

Philadelphia.

Charles Millang, 50 W. 29th St. New York

We are headquarters
for every kind of Cut
Flowers in their season.

"THE LILY KING." Reasonable Prices.
Square Dealing
Out-of-town florists promptly attended
to. Telephone for what you want.
Tel. 2230 Madison Square.

Moore, Hentz & Nash Wholesale Florists.

55-57 W. 26th St.
NEW YORK CITY.
SHIPPING ON COMMISSION.
Tel. 2034 and 2239 Madison Square.

Established 1891.
GEO. E. BRADSHAW. JOHN R. HARTMAN.
BRADSHAW & HARTMAN,
Wholesale Florists,
53 West 28th Street, NEW YORK.
Telephone 1239 Madison Square.
Consignments Solicited.
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JAMES McMANUS Telephone 50 W. 30th St., NEW YORK
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Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND.
ORCHIDS A SPECIALTY.
HEADQUARTERS FOR NOVELTIES

W. GHORMLEY,

WHOLESALE COMMISSION,

The largest commission house in America for
Roses, Violets and all other varieties of Cut Flowers. **57 W. 28th Street, NEW YORK.**

My large shipping trade enables me to command the highest prices. which ring, connects you with all our **TELEPHONES**.
Special arrangements this season for the extensive handling of American Beauties.

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THE PIONEER HOUSE
Open every day at 6 a. m.
J. K. ALLEN
WHOLESALE FLORIST,
106 W. 28th Street, New York City
We ship all over the United States. Consignments realize with
us the best market prices. Tel. 167 Madison Sq.
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WALTER F. SHERIDAN,
Wholesale Commission Dealer in
CUT FLOWERS
39 West 28th St., NEW YORK.
(Established 1882)
Receiving Extra Quality American Beauties
and all other varieties of Roses. Carnations.
Telephone 902 Madison Square.
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WHOLESALE FLORISTS,
55 and 57 W. 26th St., NEW YORK.
Cut Flower Exchange.
OPEN ALL DAY!
AN UNEQUALLED OUTLET FOR CONSIGNED FLOWERS.
Telephone No. 2435 Madison Sq.
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JAMES A. HAMMOND,
Wholesale Commission Florist,
113 W. 30th St., NEW YORK CITY.
Tel. 854 Madison Sq.
Consignments receive conscientious and prompt
attention. Highest market price guaranteed.
The finest stock in the market always on hand.
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SLINN & HUGHES
WHOLESALE FLORISTS.
Coogan Building,
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Telephone 2239 Madison Sq.
VIOLETS and SWAINSONA our specialties
Shipping orders receive prompt attention.
Always mention the Florists' Review when
writing advertisers.

Wholesale Cut Flower Prices.

New York, Sept. 30.

	Per 100
Beauties, Specials	\$10.00 to \$20.00
Extra	8.00 to 10.00
No. 1	4.00 to 6.00
Shorts	1.00 to 3.00
Brides and Maids, Specials	4.00 to 6.00
Extra	3.00 to 4.00
No. 1	2.00 to 3.00
No. 2 .....	.50 to 1.00
Golden Gate	2.00 to 4.00
Liberty	2.00 to 3.00
Meteor	1.00 to 3.00
Cattleyas	20.00 to 40.00
Carnations, Common .....	.50 to 1.00
Selects .....	.75 to 1.00
Fancies	1.00 to 2.50
Novelties	3.00 to 4.00
Adiantum cuneatum .....	.25 to .50
Crowneum .....	.75 to 1.00
Asparagus plumosus, Strings	35.00 to 50.00
Asters, Selects	1.00 to 2.00
Dahlias .....	.50 to 1.00
Gladiolus .....	.50 to .75
Lilium Harrisii	5.00 to 8.00
Lily of the Valley	2.00 to 3.00
Mignonette, Ordinary .....	.50 to 1.00
Smilax	5.00 to 8.00
Tuberose .....	.50 to 1.00
Violets, Ordinary .....	.25 to .50

The usual slump the latter part of last week
and stock deteriorated as prices declined. The
cooler weather Monday gave promise of some
improvement in both respects, and it is likely
that a steady market may from now on be de-
pendent upon unless a flood of new roses, car-
nations and the chrysanthemums should all ar-
rive together.

GEO. SALTFOORD,
Author of "HOW TO MAKE MONEY GROWING VIOLETS."
WHOLESALE FLORIST,
46 West 29th Street, NEW YORK CITY.
Telephone No. 3393 Madison Sq.
CONSIGNMENTS OF ALL FIRST-CLASS FLOWERS SOLICITED.
VIOLETS our specialty.

GALAX. Bronze or Green.
75c per 1000 in 2000
lots or more.
Leucothoe Sprays, Green, 90c per 100.
Southern Smil x, fresh stock, per 50-lb. case,
\$6.00; per 25-lb. case, \$3.50.
Green Sheet Moss, choice stock, \$2.50 per
barrel sack.
Sphagnum Moss, \$1.75 per large bale.
Florists' Supplies of every
description.
L. J. Kreshover, 110-112
West 27th St. New York.
TEL. 597 MADISON SQUARE.

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51 W. 28th St., NEW YORK.
Tel. 1903 Madison Sq.
ORCHIDS CATTLEYA
LABIATA
and all other choice
Orchids in season.
Everything in Cut Flowers—the best in the market
Mention the Review when you write.

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42 West 28th Street
New York
Send for Quotations
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H. C. RIEDEL. F. D. SPICER.
Riedel & Spicer
Wholesale Florists,
Strictly Wholesale, 34 W. 29th Street,
Tel. 3039 Madison Sq. New York City.
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The New York Cut Flower Co.
55 and 57 West 26th Street,
WHOLESALE FLORISTS.
Daily Reports. Weekly Payments.
Tel. 756 Madison Sq. J. A. MILLANG,
Manager.
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Alfred H. Langjahr
Wholesale Commission Florist,
19 Boerum Place, BROOKLYN, N. Y.
Telephone 939 Main.
NEW YORK STORE, 53 W. 28th Street
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The Philadelphia Wholesale Flower Market.

The Finest BEAUTIES in Philadelphia. Liberties and all other CHOICE STOCK.

OPEN FROM 7:00 A. M. TO 6:00 P. M. 1228 CHERRY STREET, PHILADELPHIA.

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ALEX. J. GUTTMAN,
Wholesale Florist.
Special conveniences for both Wholesale and Retailers this season. None better in the country.
52 West 29th Street, New York.
Telephone 1738 Madison.
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FRANK MILLANG,
CUT FLOWER EXCHANGE,
Coogan Building,
55-57 W. 26th St., NEW YORK CITY.
Phone 299 Madison Sq.
OPEN FROM 6:00 A. M. TO 5:00 P. M.
Everything for the Florist in Seasonable Flowers all the year round.
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ESTABLISHED 1872.
John J. Perkins
WHOLESALE and COMMISSION FLORIST,
115 West 30th St., NEW YORK.
Telephone No. 956 Madison Sq.
WANTED a few more reliable growers of Carnations and Violets. Only first-class stock handled.
BRANCH STORE, 48 West 30th St., New York. R. W. PERKINS, Manager.
Consignments Solicited. Quick returns to Shippers. Highest Market Prices Guaranteed.
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N. LECAKES & CO.
45 West 29th St., NEW YORK
Tel. No. 1214 Madison Sq.
and
53 W. 28th St. (Basement)
Tel. 1797 Madison Sq.
Stands at Cut Flower Exchange Coogan Bldg. W. 26th St., and 34th Street Cut Flower Market.
SPECIALTIES
GALAX LEAVES, FERNS and LEUCOTHOE SPRAYS.
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FOR SOUTHERN WILD SMILAX
(Where Quality is First Consideration.)
Write, Wire or Phone the Introducers.
Caldwell The Woodsman Co., Evergreen, Ala.
or their agents: — L. J. Kreshover, New York; J. B. Deamud, Chicago; H. Bayersdorfer & Co., Philadelphia; W. F. Kasung, Buffalo; J. M. McCullough's Sons, Cincinnati, Ohio; H. G. Berning, St. Louis, Mo.
Mention Review when you write.

Always Mention the....
Florists' Review
When Writing Advertisers.

Wholesale Cut Flower Prices.
Boston, Sept. 30.

Beauties, Specials.....	Per 100.	\$25.00
Extra.....	\$11.00 to 20.00	
No. 1.....	8.00 to 10.00	
Shorts.....	2.00 to 6.00	
Brides and Bridesmaids, Specials..	6.00 to 8.00	
Extra.....	3.00 to 4.00	
No. 1.....	2.00	
No. 2.....	.50 to 1.00	
Carnot.....	2.00 to 8.00	
Kaiserin.....	2.00 to 8.00	
Liberty.....	1.00 to 8.00	
Meteor.....	1.00 to 6.00	
Carnations, Common.....	2.00	
Selects.....	8.00	
Fair Maid.....	5.00	
Adiantum Cuneatum.....	.50 to 1.00	
Asparagus plumosus, Springs.....	50.00	
Sprays.....	1.00 to 2.00	
Sprenger, Sprays.....	1.00 to 4.00	
Asters.....	.50 to 1.50	
Longiflorum.....	10.00	
Lily of the Valley.....	2.00 to 4.00	
Mignonette, Ordinary.....	1.00	
Smilax.....	12.00	
Tuberose.....	3.00	
Galax.....	.15	
Common Ferns.....	.10	

Pittsburg, Sept. 30.

Beauties, Specials.....	Per 100	\$25.00 to \$30.00
Extra.....	15.00 to 20.00	
No. 1.....	8.00 to 12.00	
Shorts.....	3.00 to 5.00	
Brides and Maids, Specials.....	3.00 to 4.00	
Extra.....	1.00 to 2.00	
No. 1.....	1.00 to 4.00	
Cusin.....	4.00 to 8.00	
Kaiserin.....	2.00 to 6.00	
Liberty.....	.75	
Carnations, Common.....	1.00 to 1.50	
Selects.....	2.00	
Fancy.....	.75 to 1.00	
Adiantum Cuneatum.....	30.00 to 40.00	
Asparagus plumosus, Springs.....	2.00 to 3.00	
Sprays.....	2.00 to 3.00	
Sprenger, Sprays.....	.25 to 1.50	
Asters.....	8.00 to 12.00	
Chrysanthemums, ordinary.....	15.00 to 20.00	
fancy.....	1.00 to 3.00	
Dablias.....	1.00 to 4.00	
Gladiolus.....	3.00 to 4.00	
Lily of the Valley.....	12.50 to 15.00	
Smilax.....		

WE HAVE been enjoying a good trade as a result of our ad in the REVIEW.—
COTTAGE GREENHOUSES, Litchfield, Ill.

A. J. FELLOURIS,
Wholesale and Retail Dealer in all kinds of EVERGREENS.
GALAX, Bronze or Green.
\$1.00 per 1000.
FERNS, Fancy, \$1.50 per 1000.
Dagger, .75
468 Sixth Avenue, NEW YORK
Between 28th and 29th Streets.
Telephone 1431 Madison Square.
Mention Review when you write.

TOP GRADE FOR SHIPPING.
AMERICAN BEAUTY, BRIDESMAID, BRIDE, LIBERTY, METEOR, LILY OF THE VALLEY, CARNATIONS.
JOHN I. RAYNOR,
49 West 28th St., NEW YORK.
Telephone 1998 Madison Square.

FRANK H. TRAENDLY. CHARLES SCHENCK.
TRAENDLY & SCHENCK,
Wholesale Florists
AND CUT FLOWER EXCHANGE
38 W. 28th St., NEW YORK
Telephones 798 and 799 Madison Square. CONSIGNMENTS SOLICITED.
Mention the Review when you write.

Hicks & Crawbuck,
Wholesale Florists and Dealers in Florists' Supplies,
108 Livingston Street, BROOKLYN, N. Y.
Tel. 3660-3661 Main.
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FORD BROS.
111 W. 30th Street, NEW YORK.
Telephone 157 Madison Square.
The LARGEST SHIPPERS AND RECEIVERS OF Fresh Cut Flowers
A complete assortment of the best in the market can always be relied upon.
Mention Review when you write.

AUGUST MILLANG,
Wholesale Commission dealer in Cut Flowers
55-57 W. 26th St., NEW YORK CITY.
Coogan Building.
Violets and Carnations our specialties.
Tel. No. 299 Madison Square.
Mention The Review when you write

We are head-quarters for **HARDY CUT FERNS!**
Fancy or Dagger, 75c per 1000. Contracts made to supply the year around. Use our Laurel Festooning. It's the best decorative material to be found, we make it fresh daily 4c, 5c and 6c per yd. Bargains in Galax, A No. 1 quality, Bronze or Green, 75c per 1000 in 10,000 lots. Mosses, &c. Send us your wants and be well satisfied.
Crow Fern Co
MILLINGTON, MASS.
Tel. Office, New Salem.
Long distance telephone connections.
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National Florists' Board of Trade. NEW MANAGEMENT. PROMPT COLLECTIONS AND PROMPT RETURNS.
Full information concerning all claims entrusted to us. Plenty of time to attend carefully to your interests.
Satisfaction guaranteed. No delays. No neglect. No waiting. NEW OFFICES, 56 PINE STREET, NEW YORK CITY.
Telephone 4673 John Street. Rooms 601, 602, 603.
HARRIS H. HAYDEN, Pres. WM. A. MOORE, Vice-Pres. JNO. E. WALKER, Sec. and Treas.
Mention Review when you write.

Wholesale Cut Flower Prices.

Chicago, Sept. 30.

	Per doz.	
Beauties, 30-inch stems.....	\$2.50	
" 24 ".....	2.00	
" 20 ".....	1.50	
" 15 ".....	1.25	
" 12 ".....	1.00	
Shorts.....	.75	
Per 100:		
Bridesmaids, Specials.....	\$4.00 to \$6.00	
Firsts.....	2.00 to 3.00	
Brides, Specials.....	4.00 to 6.00	
Firsts.....	2.00 to 3.00	
Kaiserin.....	4.00 to 8.00	
Liberty, Specials.....	10.00	
Firsts.....	6.00 to 8.00	
" Seconds.....	3.00 to 5.00	
Golden Gate, Firsts.....	4.00 to 6.00	
Seconds.....	2.00 to 3.00	
Meteor, Firsts.....	4.00 to 6.00	
Seconds.....	2.00 to 3.00	
Mme. Chatenay, Firsts.....	6.00 to 8.00	
Seconds.....	3.00 to 5.00	
Carnot, Firsts.....	6.00 to 8.00	
Seconds.....	3.00 to 4.00	
Ivory, Firsts.....	4.00 to 6.00	
Seconds.....	2.00 to 3.00	
Sunrise, Firsts.....	4.00 to 6.00	
Seconds.....	2.00 to 3.00	
Perles, Firsts.....	4.00	
Seconds.....	2.00 to 3.00	
Carnations, Fancy.....	1.50 to 2.00	
Commons.....	1.00	
Violets.....	.75 to 1.00	
Chrysanthemums, \$2.00 to \$4.00 doz.		
Gladioli.....	2.00 to 5.00	
Dahlias.....	1.00 to 4.00	
Auratum Lilies..... \$1.00 to \$1.50 doz		
Valley.....	4.00	
Tuberose.....	4.00 to 5.00	
Adiantum cuneatum.....	.75 to 1.00	
Asparagus plumosus, Strings.....	25.00 to 50.00	
Sprays.....	2.00 to 3.00	
Asparagus Sprengeri, Sprays.....	3.00 to 6.00	
Smilax.....	\$1.25 to \$1.50 per doz.	
Common ferns, per 1000.....	\$1.50	
Galax Leaves, \$1.00 to \$1.50 per 1000		

Milwaukee, Sept. 30.

	Per 100	
Beauties, Extra.....	\$15.90	
" No. 1.....	\$8.00 to 10.00	
Shorts.....	4.00 to 6.00	
Brides and Maids, Extra.....	6.00	
" No. 1.....	4.00	
" No. 2.....	3.00	
Carnot.....	2.00	
Golden Gate.....	3.00 to 6.00	
Kaiserin.....	3.00 to 6.00	
Liberty.....	4.00 to 8.00	
Meteor.....	4.00 to 6.00	
Perle.....	2.00 to 4.00	
Carnations, Selects.....	1.00	
Fancies.....	1.50 to 2.00	
Asparagus plumosus, Strings.....	20.00	
" Sprays.....	2.00 to 4.00	
" Sprengeri.....	2.00 to 4.00	
Dahlias.....	1.00 to 2.00	
Daisies.....	.50	
Smilax.....	12.50 to 15.00	
Common Ferns.....	.20	

I AM very well pleased with returns from the REVIEW.—FRANK N. PIERSON, Cromwell, Conn.

It is like being out of the world to be without the REVIEW after one has been reading it for any length of time.—H. V. BETTS, Ormond, Fla.

We feel that we could not get along without the REVIEW, as it gives us valuable information we need every day in our business.—ADGATE & SON, Warren, Ohio.

ENCLOSED find the final payment on my Florists' Manual, by Wm. Scott, and permit me to say I never invested \$5 in a better way.—E. V. BUSHONG, Edgerton, O.

ALBERT M. HERR

LANCASTER, PA.

Carnations, Geraniums,
Smilax, Asparagus.

Correspondence Solicited.

Mention the Review when you write.

E. H. HUNT

THE "OLD RELIABLE" FOR

**Wholesale
Cut Flowers**

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

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Bassett & Washburn

76 Wabash Ave., CHICAGO, ILL.

WHOLESALE GROWERS OF
AND DEALERS IN CUT FLOWERS

Greenhouses at Hinsdale, Ill.

Mention Review when you write.

A. L. RANDALL,
Wholesale Florist

Don't forget we are at
19 and 21 RANDOLPH ST., CHICAGO.

Write for special quotations on large orders.

Mention Review when you write.

J. A. BUDLONG

37-39 Randolph Street CHICAGO.

Roses and
Carnations
A Specialty.....

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GROWER OF**CUT FLOWERS****WIETOR BROS.**Wholesale
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	Per 100
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" No. 1.....	10.00 to 15.00
" Shorts.....	4.00 to 6.00
Brides and Maids, Extra.....	6.00
" No. 1.....	4.00 to 5.00
" No. 2.....	2.00 to 3.00
Cusin.....	2.00 to 4.00
Golden Gates.....	2.00 to 5.00
Kaiserin.....	2.00 to 5.00
Liberty.....	2.00 to 6.00
Meteor.....	2.00 to 6.00
Perle.....	2.00 to 4.00
Sunrise.....	2.00 to 4.00
Carnations, Commons.....	1.00
" Selects.....	1.50 to 2.00
" Fancies.....	2.50 to 3.00
Adiantum Cuneatum.....	1.00 to 1.50
Asparagus plumosus, Strings.....	35.00 to 50.00
" Sprenger, Sprays.....	2.00 to 4.00
Asters.....	1.00 to 2.00
Dahlias.....	2.00 to 3.00
Gladiolus.....	2.00 to 3.00
Lily of the Valley.....	3.00 to 4.00
Smilax.....	12.50 to 15.00
Tuberose.....	2.00 to 3.00
Galax.....	.15
Common Ferns.....	.15

Buffalo, Sept. 30.

	Per 100
Beauties, Specials.....	\$20.00 to \$25.00
" Extra.....	12.00 to 15.00
" No. 1.....	8.00 to 10.00
" Shorts.....	1.00 to 4.00
Brides and Maids, Extra.....	7.00
" No. 1.....	4.00 to 5.00
" No. 2.....	2.00 to 3.00
Carnot.....	2.00 to 7.00
Cusin.....	2.00 to 4.00
Golden Gate.....	2.00 to 6.00
Kaiserin.....	2.00 to 8.00
Liberty.....	2.00 to 8.00
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Meteor.....	2.00 to 6.00
Mrs. Morgan.....	2.00 to 4.00
Perle.....	2.00 to 5.00
Sunrise.....	1.00 to 3.00
Carnations, Common, all colors.....	.50 to .75
" Selects.....	1.00 to 2.00
" Fancies.....	2.50 to 3.00
Adiantum Cuneatum.....	.50 to 1.00
" Farleyense.....	8.00 to 10.00
Asparagus plumosus, Strings.....	40.00 to 60.00
" Sprays.....	1.00 to 2.00
" Sprenger,.....	1.00 to 3.00
Asters.....	.75 to 1.00
Chrysanthemums, Ordinary.....	10.00 to 12.50
Gladiolus.....	1.00 to 2.50
Lilium Speciosum.....	2.00 to 4.00
" Harrisii.....	15.00
" Longiflorum.....	15.00
Lily of the Valley.....	2.00 to 5.00
Smilax.....	12.50 to 15.00
Violets, ordinary.....	.40 to .40
Galax.....	.10 to .15
Leucothoe.....	.50 to .75
Common Ferns.....	.10 to .15

PLEASE discontinue my advertisement of field-grown carnations as I am getting more orders than I can fill.—HENRY BAER, Peoria, Ill.

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Ready—Cut from bench for 6-in. at \$35 per 100. Beautiful plants. Pot plants 50c. 75c. \$1. \$2. \$3. \$4 and \$5 each. Boston Fern—Large plants, cut from bench, at \$50 per 100. Kentia Palms—From 50c to \$3 each. Asparagus Plu. Nanus—3-in. \$8 per 100. Asparagus Sprenger—2½ in. \$3 per 100. L. H. FOSTER, 45 King St., Dorchester, Mass.

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" No. 1.....	.75 to 1.00
" Shorts.....	.60 to .75
Brides and Maids, Specials.....	5.00 to 6.00
" Extra.....	3.00 to 4.00
" No. 1.....	1.00 to 2.00
Carnot.....	5.00 to 6.00
Golden Gate.....	4.00 to 5.00
Kaiserin.....	3.00 to 4.00
Liberty.....	3.00 to 5.00
Meteor.....	3.00 to 4.00
Perle.....	3.00 to 4.00
Sunrise.....	3.00 to 4.00
Carnations, Commons.....	.60 to .75
" Selects.....	1.50 to 2.00
" Fancies.....	2.00 to 3.00
Adiantum Cuneatum.....	1.00 to 1.25
Adiantum Farleyense.....	1.00 to 1.25
Asparagus plumosus, Strings.....	35.00 to 50.00
" Sprays.....	1.00 to 1.50
" Sprenger,.....	1.00 to 1.50
Lily of the Valley.....	3.00 to 4.00
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HUGH GRAHAM

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I am in a position to handle any orders for Philadelphia or vicinity, either large or small; would be pleased to have correspondence with the trade in general.

Our facilities for handling orders, either for flowers or plants, are of the very best.

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PHILADELPHIA DAHLIA SHOW.

The first annual dahlia show of the Pennsylvania Horticultural Society, held September 15 and 16, in Horticultural Hall, Philadelphia, was the greatest dahlia exhibition ever held in this country. It had been talked of for some years among dahlia lovers of the society, but the trouble had always been the expense of the prize list, as liberal premiums had to be offered in order to get out competition from the best growers all over the country. It looked as if the matter would have to fall through when the leading Philadelphia seedsmen came to the rescue by guaranteeing the prize list, which amounted to \$217.50. This was subscribed by Henry A. Dreer, Inc., Henry F. Michell Co., William Henry Maule, W. Atlee Burpee & Co., Johnson & Stokes and W. P. Peacock.

These firms in arranging to furnish the cash for the prizes stipulated that it must be a free exhibition, in order to see just how the dahlia took with the people. The result was more than satisfactory, as the first evening the large hall was packed. Hundreds of people turned away because they could not get in, while many waited until others came out before they went in. It was difficult to pass along the aisles and it was a case, the great part of the evening, of "going with the crowd."

The popularity of the dahlia as an exhibition flower was assured and on every hand could be heard exclamations of surprise and astonishment at the wondrous diversity of forms, sizes and colors. Dahlias were everywhere, from the large, graceful, decorative exquisitely beautiful cactus, through the noble show, the striking fancy, the little pompon, and especially in the singles. The latter class, headed by the gorgeous Twentieth Century on three foot stems, in large vases, seemed to attract the most attention. It was surprising to see what attention was given to the various singles. This class now embraces as great a diversity of form as any of the double classes, as we now have single

cactus, single fancy, single show and even singles dressed up with collars (Collarette).

The writer has attended hundreds of exhibitions at various times, and he has never seen as much diversity between all kinds of cut flowers combined at a show as was seen at this exhibition among the dahlias itself. On a side table running around the wall was a display arranged on a plateau of sphagnum moss, covered with fern leaves, on which were arranged specimen blooms of the different classes of double dahlias, making a fine study of the different varieties. Back of this plateau were vases of the various single varieties, making a suitable and pleasing border. Following the dahlias were various perennials which were shown to good advantage.

Another table was devoted to show, fancy and decorative dahlias in competition. Here was another study of varieties, as the blooms were arranged in hyacinth glasses, simply showing the face of the dahlias, a very crude way of exhibiting flowers, but yet considered the only way in Boston and England, but now obsolete in the greater part of this country. This was arranged for at this show, however, in order to show as great diversity as possible, also to allow the study of the individual flower. At another table were the arrangements of the cactus. One exhibitor placed his blooms in tumblers, while another had them arranged on long, graceful stems in vases, and it was instructive to notice the remarks of the various visitors. Many of them admired the arrangement of the flowers, face up, but the consensus of opinion was most in favor of those arranged gracefully in vases.

In the classes entered for vases of blooms, the dahlia was seen to best advantage, as the back of the flower as well as the face could be seen, and only varieties with good stems and good carrying qualities would hold up. The singles and pompons were shown in vases only, and a fine effect was the result.

One of the most striking features of this exhibition was the high-class flowers exhibited by the amateur growers. There were at least a half dozen entries for the vase of fifty blooms, 50 varieties, in which the quality was fine, and the arrangement was striking. In fact, this is one of the merits of the dahlia. In many flowers, a mixed assortment shows to very poor effect, but in the dahlia the colors are so gorgeous that a bouquet of varieties seems perfectly natural. An interesting feature of this exhibition was that in spite of the storm on Wednesday, many people were in the hall, and in the afternoon it was quite well filled.

A matter which this exhibition brings up, is the need of a national system of judging. At this show it was a case of size, regardless of

quality, and a full, deep, well-formed flower, with a perfect center was passed by for a large flower, regardless of the color or form or the condition of the center. This matter should be taken up by the Society of American Florists and the writer believes a dahlia committee composed of representatives of all branches, as well as dahlia growers, should be appointed by the society to take charge of the dahlia question. Arrange for a system of judging by points, the same as any other flower, with sub-committees on nomenclature, certifying of new varieties, etc. It is a burning question in dahlia culture and must be taken up sooner or later.

The dahlia is now past the stage where the individual flower only is used. It is now a factor as a cut flower in its season, as much as the chrysanthemum or any other flower. Its commercial value being assured, it should be judged as such. One peculiar thing we find everywhere; that is, whereas the up-to-date dahlia grower is willing to concede a great many points, the old time growers still claim there is nothing but the flower. We believe that at every dahlia exhibition it is to the benefit of the dahlia, of the show, and every one concerned to have the exhibits as varied as possible, and not only to show it in every class of flower, but the different classes in as many forms as possible. This makes more of a diversity and makes it more interesting. We believe that some flowers should be shown without their stems in order to have a variety study; but we believe the greatest interest is to show also for decorative work and effect, where varieties can be studied not only as to formation and color but as to lasting qualities, stems, etc.

We sincerely trust that the dahlia subject will be taken up and acted upon at the next meeting of the Society of American Florists and as a result the second annual exhibition of the Pennsylvania Horticultural Society will be as great an advance over the first, as this year's was over any other ever held in the country.

W. P. PEACOCK.

AURORA, ILL.

W. L. Smith has taken his greenhouses down and gone out of business. As yet he has made no plans for the future.

J. M. Smely has built a new office and store and rebuilt some old glass, giving him about 4,500 feet of additional room.

The C. B. & Q. railroad's greenhouses here are planted, nearly all to carnations, and Lawson has much the largest space. The flowers are grown for the dining cars.

Stock looks well with all here. Some carnations are undersized but healthy. Trade is good. Less bulbous stock than usual will be grown this season.

QUEENS, N. Y.—Alfred H. Walker has a nice crop of chrysanthemums which will be ready for market about October 15.

CLASSIFIED PLANT ADVERTISEMENTS.

Rates for advertisements under this head, 10 cents a line net, per insertion. New ads. and changes must reach us by Wednesday morning at latest to secure proper classification in issue of Thursday.

ABUTILONS.

Abutilon Souv. de Bonne (variegated), fine, bushy plants in 4½-in. pots, \$20.00 per 100. Cash with order.

S. Muir, 3530 Michigan Ave., Chicago.

Abutilons in variety, 2½-in., \$2.50 100; \$20.00 1000. R. Vincent, Jr., & Son, White Marsh, Md.

ACALYPHAS.

Acalypha Macafeana, \$3.50 100.

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ACHYRANTHES.

Achyranthes Lindenii, 50c 100.

James A. Keeney, Monongahela City, Pa.

ALYSSUM.

Alyssum, 3-in., strong plants, \$3.50 100. Cash. Converse Greenhouses, Webster, Mass.

Alyssum, double, 2½-in. pots, \$3.00 100. N. Smith & Son, Adrian, Mich.

ANTIRRHINUMS.

1500 antirrhinums (snap dragon), large plants, mixed colors, per 100, \$5.00.

M. L. Tirrell, Randolph, Mass.

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In. pots.	ARAUCARIA	EXCELSA.	Each.
4	In. high.	Tiers.	
4	10 to 12	3	\$0.50
5	12 to 14	3 to 4	.60
6	14 to 16	3 to 4	.75
6	16 to 18	4 to 5	1.00
6	18 to 20	4 to 5	1.25

HENRY A. DREER, Philadelphia, Pa.

In. pots.	ARAUCARIAS OUR SPECIALTY.	Each.
5	10 to 12	3 to 4
5½	13 to 16	3 to 4
5½	13 to 16	3 to 4 ex. broad
6	16 to 20	4 to 5 80c, 90c, 1.00

Godfrey Aschmann, 1012 Ontario St., Phila.

Araucaria excelsa, 2-in. pots, 2 tiers, \$16.00 100. A. imbricata, 2½-in. pots, strong plants, \$10.00 100.

F. LUDEMANN, 3041 Baker St., San Francisco, Cal.

Araucaria Bidwillii, 2½-in. pots, thrifty, \$18.00 per 100. Araucaria imbricata, 2½-in. pots, \$10.00 per 100.

Exotic Nursery, Santa Barbara, Cal.

ASPARAGUS.

ASPARAGUS PLUMOSUS NANUS.

In. pots.	Per doz.	Per 100.	Per 1000.
2	\$0.60	\$ 4.00	\$35.00
3	1.00	8.00	70.00
5	3.00	20.00

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Asparagus plumosus nanus, true, 2-in., 50c doz., \$3.50 100, \$30.00 1000; 3-in., \$1.00 doz., \$8.00 100, \$70.00 1000. Send for complete illustrated price list.

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Asparagus Sprengeri, field-grown, strong plants, from 6-in. pots, will take 7-in. to 8-in. pots, \$25.00 100.

A. M. Davenport, 88 Grove St., Watertown, Mass.

Asparagus plumosus nanus, strong 2½-in., \$3.00 100; \$25.00 1000. A. Sprengeri, 2.00 100; \$15.00 1000. Cash, please.

G. M. Naumann, Doan St., Cleveland, O.

Asparagus plumosus, 2-in., \$5.00; 3-in., \$8.00; 4-in., \$15.00 100. Sprengeri, 2-in., \$3.50; 3-in., \$5.00; 4-in., \$10.00 100.

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Asparagus Sprengeri, from flats transplanted, \$5.00 per 1000. To clean out. Express prepaid to your city.

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Asparagus Sprengeri, from flats, \$1.00 100, \$6.00 1000; 5000 for \$25.00; 2½-in., \$1.50 100, \$12.50 1000.

S. Whitton, 15 Gray Ave., Utica, N. Y.

Well-grown Asparagus Sprengeri, from 3-in., \$2.50 100, \$20.00 1000; seedlings, 75c 100, \$5.00 1000.

S. S. PENNOCK, 1612 Ludlow St., Philadelphia.

Plumosus nanus, 2½-in. pots, \$3.50 per 100. Sprengeri, 2½-in., \$2.25 per 100; \$20.00 per 1000.

JACKSON & PERKINS Co., Newark, New York.

Asparagus Sprengeri, strong plants, 2½-in., \$3.00; 3-in., \$4.00; 4-in., \$8.00; 5-in., \$15.00; 6-in., \$25.00 100. J. H. Bornhoeft, Tipton, Ind.

Asparagus plumosus, fine plants, in 2 and 2½-in., ready for 8-in., \$3.00 per 100; \$25.00 per 1000. Theodore Miller, Ironton, Ohio.

Asparagus Sprengeri, Strong 2-in., 2c. Cash. See our Boston fern and primula advs. for bargains. Byer Bros., Chambersburg, Pa.

Asparagus Sprengeri, 2½-in. pots, \$3.00 per 100. HENRY ENGLER, 4651 Lancaster Ave., Philadelphia.

Asparagus Sprengeri, Good strong plants, 2½-in., \$2.00 per 100; 5-in., \$15.00; 6-in., \$25.00. A. M. Wringley, Norton, Mass.

Sprengeri, 4-in., kept somewhat dry during summer, 50c doz. Advanced seedlings, \$1.00 100. I. E. BAILEY, Swampscott, Mass.

ASPARAGUS PLUMOSUS NANUS.

Cut strings, 50 cents each.

W. H. ELLIOTT, BRIGHTON, MASS.

Asparagus plumosus, Strong 4-in. stock, ready for 5 in., \$15.00 per 100. Cash with order. F. A. Imobersteg, Toledo, Ohio.

Asparagus Sprengeri and plumosus, extra strong, 2-in., at \$2.00 and \$3.00 per 100. WHITE'S CONSERVATORY, Sandusky, O.

Asparagus Sprengeri, 2-in., \$2.00; 2½-in., \$2.50; 3-in., \$3.00 100. Express prepaid. LOOMIS FLORAL CO., Loomis, Cal.

Asparagus plumosus, strong plants, 3-in., \$5.00 per 100; 3½-in., \$8.00 per 100. Maurice J. Brinton, Christiansburg, Pa.

Asparagus plumosus nanus and Sprengeri, fine plants, 2½-in., \$3.00; 3-in., \$4.00 and \$5.00. Wm. Stuppe, Westbury Station, L. I., N. Y.

Plumosus nanus, 3-in. pots, fine, strong plants, \$8.00 100. Cash with order. Joseph Towell, Paterson, N. J.

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Asparagus plumosus, 2-in. pots, \$3.00 per 100. Wm. Keir, Pikeville, Md.

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Sprengeri, large sizes, low prices. Write RONEY BROS., West Grove, Pa.

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Asparagus Sprengeri, 2½-in. pots, 40c doz. N. Studer, Anacostia, D. C.

Asparagus Sprengeri, 2-in., \$1.50 100. E. I. Rawlings, Quakertown, Pa.

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Azalea indica, for Xmas forcing, pot-grown. Deutsche Perle, Simon Mardner, Vervaeana, also 10 to 15 more good varieties for Easter forcing, 40c, 50c, 75c, \$1.00 and more each. Cash. Godfrey Aschmann, 1012 Ontario St., Phila.

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Lorraine begonias. I have good, healthy plants from 2½-in. pots, taken from sand end of July and early August. Will make good plants in 4-in. and 5-in. pots for Christmas. "The Size That Sells." Largest, \$12.00; smaller, \$10.00 per 100. Would exchange for Boston Ferns from 4-in. pots. Cash with order. John Doughty, Kimberly Av., New Haven, Conn.

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Solanum ciliatum or Adams apple, large, bright red berries, 3-in. pots, 5c; 4-in. pots, 8c; 6-in. pots, 25c each. Solanum annuum or celestial peppers, 4-in. pots, 10c; 5-in., 20c; 6-in. pots, 30c each. Solanum capsicastrum or Jerusalem cherry, large berry, var., 3-in. pots, 5c. Plants are strong and clean and ready to shift. Satisfaction guaranteed. Cash. M. F. La Roche, Collingdale, Pa.

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Named Dutch hyacinths, 17 cms. or over, single, separate colors, true to name, \$4.75 100; \$45.00 1000. Single or dbl. Dutch hyacinths, 15 cms., \$2.90 100; \$27.00 1000. Write for our new bulb list.

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FIELD-GROWN CARNATIONS NOW READY. 2000 Crocker. 800 Joost. 1000 Fisher. 450 Scott. 100 Marquis.

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Fine, healthy plants, guaranteed to be satisfactory.

	Per 100.	Per 1,000
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White Cloud.....	5.00	40.00
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It has been a good growing season and plants are in fine shape, strong and bushy.

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Lord	3.00	25.00	Marquis ...	5.00	40.00
Triumph ...	4.00	35.00	Cressbrook ..	5.00	40.00
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All plants guaranteed A No. 1. If not sat.					

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Field-grown carnations, clean plants.

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Crocker.....	Glacier.....
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Surplus carnation plants, fine field-grown stock.

2500 Lawson.....	1000 Norway.....
500 Daybreak.....	500 White Cloud.....
1000 Joost.....	500 Armazindy.....
300 Eldorado.....	1500 Crocker.....

At \$4.00 per 100.

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Field-grown carnations, strong and healthy.

	100.	1000.	100.	1000.
500 Portia.....	\$6.00	4000 Joost.....	\$5.00	
500 Dean.....	6.00	1000 Scott.....	5.00	
100 America.....	6.00	150 Lord.....	6.00	
500 Crocker.....	5.00	1200 Eldorado.....	5.00	
1500 Melba.....	5.00	400 Bondy.....	5.00	

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Field-grown carnations. Per 100:

200 Roosevelt.....	\$7.00	300 Dorothy.....	\$7.00
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200 Alba.....	7.00	400 Glacier.....	7.00
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Field-grown carnation plants, strong, healthy and free from disease.

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Strong, healthy carnation plants. Crocker, Joost and Happy Day (cerise pink) in field at \$3.00 per 100. ALBERT HAKE, Manchester, Pa.

Strong, healthy, field-grown plants, Hill, Gomez, America, Morning Glory, Crane, Marquis, Joost, \$3.00 to \$5.00 100, according to size; \$25.00 to \$40.00 1000.

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Carnation plants that are strong, vigorous and healthy. Per 100:

Prosperity	\$6.00	Nelson	\$6.00
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Field-grown carnations; clean, healthy stock.

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Evanston ..	4.00	35.00	Portia ...	3.50	30.00
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John Muno, 51 Wabash Ave., Chicago.

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SURPLUS CARNATIONS. Clean, healthy plants of Norway and Queen Louise, \$5.00 100. This stock will please you.

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Cineraria hybrida, Michell's finest strain, 2-in. pots, \$2.25 100. Cash with order, please.
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An elegant lot of established plants.

6-in. pots, 5 to 6 leaves.....	Each.
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7-in. pots, 8 to 10 leaves.....	.75
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Cycas revoluta (sago palm), perfect, 6 to 7-in. pots, 4, 5, 6, 7, 8 leaves, only 9c per leaf. Cash.
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CYCLAMEN SPLENDENS GIGANTEUM. The finest strain in the world. A splendid stock of plants from 3-in. pots, \$7.00; from 3½-in. pots, \$10.00; from 4-in. pots, \$12.00 per 100.

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Cyclamen giganteum, from select seed, my own growing; thrifty plants, the leading colors, from 2½, 3 and 3½-in. pots, at 4c, 6c and 8c. Cash.
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Cyclamen giganteum, finest strain, extra strong and thrifty plants, all colors, 4-in. pots, \$20.00 100. Special rates for large orders.
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Cyclamen. Only the large *giganteum* grown; 3-in., \$7.00.
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Cyclamen, fine plants, 5-in., \$12.00 100.
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Cyclamen, per. *giganteum*; large flowered, 3-in. \$5.00 100; 4-in., \$10.00 100.
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DAHLIAS FOR FORCING. Specially prepared for forcing. Send for cultural leaflet. *Storm King*, *Camellia Alba* and *A. D. Livoni*, \$1.00 per doz., \$8.00 per 100. Twentieth Century, \$2.00 per doz., \$15.00 per 100.

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A great novelty, seedlings distinct in color and marking; stock for sale for \$500.00.
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DAHLIAS. For plants, bulbs or cut blooms, write
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50,000 field clumps named. Send for list.
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Daisies, the very best double red and white, guaranteed double, cuttings, no seedlings, 50c per 100.

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Double daisies, Giant and Longfellow, \$3.00 per 1000. Cash.
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California privet, strong, well furnished plants, 2 to 3 ft., \$3.00 per 100, \$25.00 per 1000; 18 to 30-in., well branched and stocked, \$2.00 per 100, \$15.00 per 1000. Light, 15 to 20-in., good, \$1.50 per 100, \$10.00 per 1000. All are above 2 years. Strong, 1-yr. plants, 18 to 24-in., 3 or more branches, \$2.00 per 100, \$15.00 per 1000; 15 to 20-in., 2 or more branches, \$1.50 per 100, \$10.00 per 1000. All well graded and packed.

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CALIFORNIA PRIVET.

12 to 18 inch high, branched...\$7.00 per 1000
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18 to 24 in high, heavy branched...18.00 per 1000
2 to 2½ feet high...24.00 per 1000

Specimen plants, 6 years old, 4 to 6 feet, \$1.00 to \$3.00 each. Cash at these prices.

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GRAFTED ROSES, fine bushy plants in 3½ and 4-in. pots. Liberty and Ivory, \$15.00 100. Bride, Golden Gate, Maid and Kaiserin, \$12.00 100.

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Roses. Splendid, strong plants in finest possible shape to plant. Bride, Ivory, Gate, Meteor, 3-in., \$4.00 100, \$35.00 1000. Bride, Maid, Ivory, Gate, 2½-in., \$2.50 100, \$20.00 1000. SPECIAL OFFER—200 roses, 3-in., for \$7.00, or 2-in. for \$4.00.

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ROSE PLANTS, healthy and strong. Beauties, 3-in., \$6.00; 3½-in., \$8.00 per 100. Brides, 3-in., \$5.00; 4-in., \$7.00 100. Maids, 3-in., \$4.00; 4-in., \$7.00 100. A. O. BROWN, Springfield, Ill.

Field-grown, 2-year-old Crimson Rambler, Paul Neyron, Magna Charta, \$1.50 doz. Crimson Rambler, 4-in. pots, 75c doz.

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Pansy, superb mixed, unexcelled strain, ¼ oz., 75c; oz., \$5.00. Cineraria, dwf. and tall, finest mixed., ea., 50c and \$1.00 per pkt.

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Marsh's pansy mixture for florists' trade packets, only 25c. Choice seed.

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Smilax seedlings, 50 cents per 100.
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White sultana, Platyapetala, flowers large, pure white, with red dot in the center. Now is the time to stock up for the coming season. IT SELLS. Strong plants, \$1.00 per doz.
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Vinca variegata, good field plants, \$3.50 per 100; \$30 per 1000.

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20,000 VIOLETS. Campbell, M. Louise, Farquhar, Swanley, 2½-in., fine, \$3.00 100, \$25.00 1000. California, from flats, \$1.50 100. All fit to bench and No. 1. Cash, please.
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Violets, field-grown Marie Louise, \$5.00 100. Davis Bros., Morrison, Ill.

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100 Norway	7.00
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Joost.....	3.00	25.00
Marquis	3.00	25.00
Genevieve Lord.....	3.00	25.00
Triumph	4.00	35.00

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1000 Norway
500 Daybreak
500 White Cloud
1000 Joost
500 Armazindy
300 Eldorado
1500 Crocker

\$4.00

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Seedlings......75 5.00

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- Hamel—Solid pink, very large and late, per doz., \$2.00; per 100, \$12.00.
- Lord Beaconfield—Deep solid pink, late bloomer, per doz., \$2.00; per 100, \$12.00.
- Rosea Superba—Guard petals and petaloids, bright rose with a circle of salmon pink, very full and large, per doz., \$5.00; per 100, \$25.00.

- Queen Victoria—Guard petals bluish white, with flesh tinted center, large full petaled flower, per doz., \$4.00; per 100, \$20.00.
- Mme. Le Moine—Delicate flesh white, large, full bloom, per doz., \$3.00; per 100, \$17.50.
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We offer for early planting the following list, which is the result of several years' careful selection, with all inferior sorts rejected. They can be moved now and with early planting they give the best results next season.

The leading sorts in Scarlet, Salmon, Pink and Whites we can furnish by the 1000 and quote a low rate of \$65.00 per 1000; \$8.00 per 100, assorted.

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- Amor—Carmine rose, large flower, starry white center.
- Boule De Feu—Salmon scarlet, dark eye, dwarf.
- Beranger—Delicate grayish pink, fine form, dwarf.
- Brilliant—Firey red, overlaid salmon, large truss.
- Duguesclin—Bluish violet, shading into white, dwarf.
- Diplomatte—White, large crimson violet center, tall.
- Eclairer—Deep carmine, rosy salmon center, dwarf.
- Gloria—Violet with crimson violet eye, fine form, dwarf.
- La Neige—Pure white, fine large flower, medium height.
- Mme. Pape Carpenter—Clear white, very dwarf.
- Princess Louise—White with very small eye, dwarf.
- Queen—Pure white, compact habit and large, full truss.
- Richard Wallace—White, large crimson eye, tall.

Also a full line of SHADE TREES, FLOWERING SHRUBS and PERENNIALS.

FIELD-GROWN Carnation Plants.

It has been a good growing season and plants are in fine shape, strong and bushy.

	Per 100	Per 1000
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America	5.00	40.00
Genevieve Lord	3.00	25.00
Triumph	4.00	35.00
Mrs. Potter Palmer	4.00	35.00
Dorothy	6.00	50.00
Marquis	5.00	40.00
Cressbrook	5.00	40.00

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

Peter Reinberg 51 Wabash Ave., CHICAGO.

Mention the Review when you write.

Beach the Florist Leads Why not buy Direct? "ECLIPSES THEM ALL."

Beach's Ponderosa Pansy—Stock limited; will plant nearly an acre, absolutely for seed, next year; no oz.'s for sale; (1) pkt. \$1.00, 10 plants \$1.00; delivery Sept. 15 and thereafter; orders booked now; every up-to-date florist should have them as this valuable strain pleases the public and there is money in it for every florist. Roses—For fall and winter blooming, set with buds; Perles, Meteors, Maids, Brides and Gates, two years old, from 3 and 4 in. pots that retail quickly at 35c to 50c each, also on their own roots, at 6c and 8c each. Leading Mums—In pots, 4, 5 and 6-in., 15c, 25c and 50c each. Fall and winter stock for cuttings from 3, 4 and 5-in. pots, at \$8.00, \$10.00 and \$15.00 per 100.

Geraniums—Pink, white, red and scarlet, single and double. Vincas—3 and 4-in. pots, 5c and 10c each. English Ivy—3 and 4-in. pots, 5c and 10c each. Fuchsias—3 and 4-in. pots, pink, white and dark blue, 8c, 10c and 15c each. Sweet Scented Geraniums—3 and 4-in. pots, 8c and 10c each. Coleus—3 and 4-in. pots, fancy, 8c and 10c each. Hydrangeas—3 and 4-in. pots, 10c and 25c each. Hibiscus—3 and 4-in. pots, 15c and 25c each. Boston Ferns—20c, 40c and 75c each. Palms—25c, 50c, 75c and \$1.00 each. Fancy Violet Stock—Potted, set with buds, Imperial, Swanley White, Wales, Marie Louise, Farquhar, Campbell, Hardy English, from 3, 4 and 5-in. pots, at \$1.00, \$5.00 and \$6.00 per 100. Choice Carnations on application.

David S. Beach, Box 253, Bridgeport, Conn.

STORE: 36 Post Office Arcade. GREENHOUSES: 282 Park Avenue. Mention the Review when you write.

1,000,000 Unrooted Cuttings Now Ready.

	White.	100	1000	5000		Scarlet.	100	1000	5000
Queen Louise	\$0.75	\$ 7.00	\$ 30.00	Estelle	.....	\$1.00	\$ 9.00	\$ 40.00
Flora Hill75	7.00	30.00	Mrs. Palmer	.....	1.00	9.00	40.00
Norway75	7.00	30.00	Apollo	.....	2.00	18.00	75.00
White Cloud75	7.00	30.00					
Alba	1.80	15.00	60.00					
Wolcott	1.80	15.00	60.00					
Lillian Pond	3.00	25.00	115.00					
	Pink.								
Lawson75	7.00	30.00	Harlowarden	.....	2.50	21.00	100.00
Marquis75	7.00	30.00	Gov. Roosevelt	.....	.75	7.00	30.00
Genevieve Lord75	7.00	30.00	Gen. Maceo	.....	.75	7.00	30.00
Argyle75	7.00	30.00	Gen. Gomez	.....	.75	7.00	30.00
Mermaid75	7.00	30.00	Harry Fenn	.....	1.00	9.00	40.00
Guardian Angel75	7.00	30.00					
Cressbrook	1.25	10.00	45.00					
Higinbotham	1.25	10.00	45.00					
Mrs. Theo. Roosevelt	3.00	28.00	125.00					
Success	2.50	22.00	100.00					
	Scarlet.								
Crane75	7.00	30.00					
America75	7.00	30.00					

Prepaid to your city at above Spot Cash Prices.

California Carnation Co., L. Box 103. Loomis, Cal. Mention Review when you write.

Winter Flowering Roses.

Fine healthy stock from selected cuttings. Sunrise, American Beauty, La France, 3-in pots, \$7.00 per 100.

Brides, Maids, Golden Gates, Meteors, Safrano, Bon Silene, Mme. Hoste, Papa Gontier, 3-in. pots, \$5.00 per 100.

GRAFTED ROSES. Fine bushy plants in 3 1/2 and 4-in. pots.

Liberty, Ivory, \$15.00 per 100. Brides, Maids, Golden Gates, Kaiserin, \$12.00 per 100.

J. L. DILLON, BLOOMSBURG, PA.

Mention Review when you write.

75,000 Geranium Cuttings.

Our cuttings this fall are perfection. Order now and secure the best stock of the only ones to grow for profit. Jean Vlaud (pink), S. A. Nutt (crimson), Alp. Ricard (scarlet), Mme. Buchner (white), Mrs. E. G. Hill, Beaute Poitvine (salmons), all semi-double, strong rooted cuttings, \$1.25 per 100; \$12.00 per 1000.

Field Plants of the above varieties, 12 to 18 inches high, \$1.00 per 25; \$3.00 per 100.

Petunias—Double fringed, 12 varieties selected from Henderson's and Dreer's latest sets, including Snow Storm, strong rooted cuttings, \$1.00 per 100; \$9.00 per 1000.

Salvia—The two best, St. Louis and Bonfire, rooted cuttings, \$1.00 per 100; \$8.00 per 1000.

Smilax—Strong plants from 2 1/2-inch pots, \$1.00 per 100; \$8.00 per 1000. Samples gladly sent.

THE W. T. BUCKLEY PLANT CO.

SPRINGFIELD, ILL.

Mention Review when you write.

STUDER Offers:

PERNS—Fine, healthy plants. Alsophila Australis, specimens in 11-inch pots, 5 feet size, \$4.00 each; \$45.00 per doz.

Davallioides Fureans and Bostons, from 5-inch pots, \$4.00 per doz. From 6-inch pots, \$6.00 per doz.

Lomaria Gibba and Cordata Compacta, from 5-inch pots, \$3.50 per doz. From 6-inch pots, \$4.50 per doz.

Asparagus Sprengerii, Anthuriums, Marantas, Carex, Cyperus Alternifolius, Grevilleas, Sansevierias, Mixed Small Ferns and Selaginellas, from 2 1/2-inch pots, for fern dishes, etc., 40c per doz.

Field-grown 2 and 3-year old ROSES, Hybrids, Teas, Moss, Climbers, in best varieties, \$1.20 per doz.

Five per cent. discount for cash with order.

N. STUDER, ANACOSTIA, D. C.

Mention the Review when you write.

NORTH ADAMS, MASS.

A. J. Schmutz has improved his houses by the addition of asphalt walks. His plant is in fine shape for the winter season. A house of single-stem chrysanthemums with stems from four to six feet long will be a fine sight. Carnations are in extra fine shape. A house of roses is in nice condition. Mr. Schmutz and wife spent their vacation with Louis Schmutz, of Brooklyn.

Mrs. F. H. Pratt has returned from a visit to Hartford, Conn., and vicinity. Frank was too busy to accompany her. Carnations are in fine shape. Some plants housed in July are producing fine flowers. A house of chrysanthemums is coming finely.

Geo. H. Phelps, of Blackinton, has housed his usual amount of plants and they are in extra fine shape, notwithstanding they have been flooded twice during the season. Some Lawsons are throwing good flowers with stems of fair length. George has a bench of violets and he says he is going to show the boys how to grow violets this winter.

The business has been very quiet during the summer; only an occasional funeral order helps to keep things moving.

D.

BLOOMINGTON, ILL.

Owing to increasing business and finding it necessary to secure more commodious quarters, A. Washburn & Sons have purchased the lot at No. 318 N. Main street and will next season erect a modern three-story building, entirely for their own use.

F. A. Baller has removed his greenhouses and rebuilt them on less valuable ground, the land formerly occupied by his plant having become very valuable for residence purposes.

The season's building here consisted of 15,000 feet by Washburn & Sons, 2,000 feet by W. T. Hempstead and 1,000 feet by A. R. Knowles.

Our florists are all through planting up and stock is in a most excellent condition, never better at this season. UNO.

BRISTOL, VT.—Mrs. L. M. Gage is seriously ill with cancer of the liver.

Seedling Dahlia

Entire Stock of about 400 plants, \$500.00

A distinct novelty, deep maroon with light circular marking; seedling of 1901; sample blooms sent before frost to any reliable catalogue house or interested party; a great seller. Write

C. H. KNOT, Portsmouth, O.

Mention the Review when you write.

ALYSSUM, 3-inch, strong plants, \$3.50 per 100. Jerusalem Cherry Trees, field-grown, dwarf and bushy, well set with berries, \$8.00 per 100. Vinca Variegata, field-grown, \$4.00 per 100. Hydrangeas, finest lot you ever saw, field-grown, with 8 to 10 flowering shoots, \$12 a 100. Violets—California, extra strong plants, field-grown, \$6.00 per 100. Campbell, not so strong, field-grown, \$3.00 per 100. Boston Ferns—Field-grown, 3, 4, 5, 6-inch pots, \$5.00, \$10.00, \$25.00, \$35.00, \$50.00 per 100. Cash or C. O. D.

Converse Greenhouses, Webster, Mass.

Mention the Review when you write.

FERNS

for Fern Fans or growing on good healthy stock in 2-inch pots.

Pteris Ouvrardi, Pteris Cristata, Pteris Tremula, Pteris Oretica Albo-Lineata, Selaginellas Emmeliana. Price \$3.00 per 100.

Wagner Park Conservatories, Sidney, Ohio.

Mention the Review when you write.

BARGAIN PRICES

OFFER OF FLOWERING AND DECORATING PLANTS by

ANTON SCHULTHEIS, College Point, N. Y.

Prices given below include packing free of charge. All plants are shipped without pots unless otherwise ordered. Shipments are made by fast freight, if not specially directed, till frost sets in, when express is preferred. Write for my catalogue which contains conditions of sale, etc., of all plants. Cash must accompany all orders.

PANDANUS Utilis, from 3½-in. pots, \$10.00 per 100; 6½ and 7-in. pots, \$12.00 to \$18.00 per doz.; \$125.00 to \$150.00 per 100.

LATANIA Borbonica, from 4-inch pots, \$5.00 and \$0.10 per 100; from 5-inch pots, \$25.00 and \$30.00 per 100.

KENTIA Forsteriana and Belmoreana, from 3-in. pots \$10.00 per 100; \$30.00 per 1000. Forsteriana, from 4-in. pots, about 24 in. high, \$35.00 to \$45.00 per 100.

Belmoreana, from 4-in. pots, \$20.00 per 100 from 4½ in. pots, about 20 in. high, \$25.00 to \$35.00 per 100; from 5-in. pots, 3 in a pot, \$35.00 per 100.

I have also a large supply in Forsteriana and Belmoreana, plants from \$1.00 to \$25.00 each. The largest plants are made-up specimens in perfect condition.

ARECA Lutescens, 3 in a pot, in all sizes. From 5-in. pots, \$25.00 per 100

6	\$9.00 per doz.;	60.00
6½	15.00	100.00
7	18.00	180.00
8	30.00	225.00
9	50.00	

CYCAS Revoluta, from 5 to 8-in. pots, 50c to \$3.00 each.

PANDANUS Veitchii, Specimens, \$3.00 to \$6.00 each.

ARAUCARIA Glauca, from 7-in. pots, 5 tiers, \$24.00 to \$30.00 per doz.

ARAUCARIA Excelsa, very fine, from 6 and 6½-in. pots, 6 tiers, \$18.00 to \$24.00 doz.

FERNS for Ferneries, fine assortment, \$5.00 per 100.

NEPHROLEPIS Piersoni, from 6-in. pots, \$18.00 per doz.; well rooted runners, with about 2 leaves, \$3.00 per doz.

BOSTON FERNS, from 6-in. pots, \$35.00 per 100. Specimens, in 10-in. azalea pans, \$46.00 per doz. Nice plants, cut from benches, fit to go in a 5-in. pot, \$20.00 per 100; \$180.00 per 1000.

EPIPHYLLUM Russellianum, from 2½-in. pots, fine, bushy plants, will bloom for Easter, \$25.00 per 100.

BRANCHED RUBBERS, from 6-in. pots, 3 branches each, \$9.00 per doz.; from 7-in. pots, 4 branches each, \$12.00 to \$15.00 doz.

Single Stem RUBBERS, 2 to 3 feet high, from \$4.00 to \$9.00 per doz.

ASPIDISTRAS, green and variegated, from 6 to 8-in. pots, \$18.00 to \$30.00 per doz.

CAMELLIAS, well set with flowering buds, from 5 and 6-in. pots, in variety, \$6.00, \$9.00 and \$12.00 per doz.; \$50.00 per 100.

Large DAISY Plants, from 7 and 8-in. pots, time for Xmas blooming, \$6.00 per doz.

LILAC, Marie Legraye, well budded, low and bushy, good forcing stock, \$50.00 a 100.

ERICA Fragrans, Specimens, from 7 to 10-in. pots, well budded, \$1.50, \$2.00, \$3.00, \$4.00 and \$5.00 each; from 5½-in. pots, well budded, fine shaped plants, \$6.00 per doz.; \$45.00 per 100; 1 year old plants, from 3½-in. pots, \$0.00 per 100.

ERICA, Persoluta, Rosea, Rubra and Alba, Specimens, from 7-in. pots, well budded, \$18.00 to \$24.00 per doz.; 2 years old, from 5½-in. pots, \$6.00 per doz.; \$45.00 per 100; 1 year old, \$10.00 per 100.

ERICA Mediterranea, from 6½-in. pots, \$2.00 each.

ERICA Cupressina, well budded, from 3½-in. pots, \$8.00 per 100; from 4½-in. pots, \$5.00 and \$6.00 per doz.; \$35.00 to \$45.00 a 100.

ERICA Regerminans, well budded for Xmas, 1 year old, \$5.00 per 100; from 5-in. pots, \$6.00 per doz.; \$45.00 per 100.

ERICA Vilmoreana, 1 year old, \$5.00 per 100; from 5-in. pots, \$6.00 per doz.; \$45.00 per 100. Specimens, from 7-inch pots, \$24.00 per doz.

EPACRIS Alba, very fine plants, from 4-in. pots, well budded, \$25.00 per 100.

SMALL GENISTAS, Easter Varieties, from 3½-in. pots, \$10.00 per 100; from 5-in. pots, \$4.00 per doz.; from 7-in. pots, Specimens, \$18.00 per doz.

Mention the Review when you write.

500,000 Herbaceous Plants

IN ALL THE LEADING VARIETIES at ridiculously Low Prices.

ASK FOR OUR SPECIAL OFFER.

BOBBINK & ATKINS, Rutherford, N. J.

Mention the Review when you write.

JOHN SCOTT,

Keep St. Greenhouses, Brooklyn, N. Y.

Headquarters Boston

...for Fine "PIERSONI" in 2½-inch pots.

The Cottage Gardens' Collection of Cannas. Grand stock. Send for particulars.

S. S. SKIDELSKY,

708 North 16th Street,

Philadelphia, Pa.

CORRESPONDENCE SOLICITED.

Mention the Review when you write.

Cyclamen—Nothing but the best giganteum persicum, large flowered, 3-inch, ready for 4-inch, \$5.00 per 100; 4-in., \$10.00 per 100.

Asparagus Sprengeri—From flats, ready for potting up, \$1.00 per 100; \$6.00 per 1000. 5000 for \$25.00. 2½-inch, \$1.50 per 100; \$12.50 per 1000.

Primroses, Chinese and Obconica, \$2.00 per 100; 300 for \$5.00.

Mammoth Begonias, in flower, 4-in., \$8. 100. Primula Forbesi—Baby primroses, 2½-in., \$1.50 per 100; 400 for \$5.00.

SAMUEL WHITTON, 15-17 Gray Ave., UTICA, N. Y. Mention Review when you write.

BEGONIA — Gloire de Lorraine

Strong, healthy plants, in 2-inch pots, \$12.00 per 100.

Hardy English Ivy,

Strong, 3-inch pots, \$5.00 per 100; \$40.00 per 1000.

I. H. MOSS, Govanstown, Baltimore, Md.

Mention The Review when you write.

CHAS. D. BALL,

GROWER OF Palms, Etc.

Send for Price List.

HOLMESBURG, PHILADELPHIA, PA.

Mention the Review when you write.



BARGAINS IN PALMS

We have a quantity of large and medium sized stock for decorative purposes. Must have room.

LET US MAKE YOU PRICES.

C. C. POLLWORTH CO., MILWAUKEE, WIS.

Mention the Review when you write.

ORCHIDS

Phalaenopsis in Varieties.

To make room for additional importations, I offer fine established, well leaved

PHALAENOPSIS AMABILIS,

In spike, at \$5.00 each; large specimens at \$7.50 each, being about half what such plants have sold for heretofore. Have also Phal. Ameth. Intermedia, Luddemaniana, Rosea, Sanderiana, Schilleriana, Esmeralda, Grandiflora and Stuartiana, CATTLEYAS, all varieties. Hybrid Cattleyas and Laello-Cattleyas. SACCOLABIUMS in varieties. AERIDES, in varieties. VANDA, in varieties.

ODONTOGLOSSUM CRISPUM.

Fine Plants. Write for Prices.

R. SCHIFFMANN, M. D.

ST. PAUL, MINN.

Mention Review when you write.

Palms, &c.

Special Low Prices and Discounts for spot cash with the order.

Special Price on Latanias.

PLANTS	In. pot	In. high	No. leaves	Per 10	Per 100
Latania Borbonica	5	18-20	3-4	\$1.10	\$10.00
"	6	20-25	4-5	2.00	18.00
"	7	23-26	4-5	4.00	
"	8	21-28	7-8	7.00	
"	9	28-30	9-10	9.00	
"	10	30-36	10-12	12.00	

And 10 per cent. off on orders of \$100.00 or over.

A special discount from wholesale list on all other plants not named above, of one-third will be given where accompanied by spot cash and 40 per cent. on all orders amounting to \$100.00 or over. Come or send orders at once. You never had such an opportunity to get a bargain.

Please let me hear from you at once.

W. J. HESSER, Plattsmouth, Neb.

Mention the Review when you write.

PRIMROSES.

	Per 100
Chinese, single, mixed, 2 1/4-inch pots	\$2.00
Obconica, alba and rosea, 2 1/4-inch pots	2.00
Asparagus Sprengeri, 2 1/4-inch pots	2.00
Plumosa	2.50
P. W. Marcissus, bulbs	1.00
Pansy Plants, \$3.00 per 1000	.50

CASH.

JOS. H. CUNNINGHAM

DELAWARE, OHIO.

Mention the Review when you write.

GROWERS WATCH FOR FRAUD.

THE H. A. STOOHOFF CO.,

GENTLEMEN:— 116 West St., New York City.

I procured through a New York seedsman 200 lbs. of your FUMIGATING KIND TOBACCO POWDER and it was not the kind you ship; it is more like clay and will not burn at all; their agent assured me that his firm sold yours. As I am entirely out please send at once 200 lbs. FUMIGATING KIND. It is superseding tobacco stems in this neighborhood.

Very truly,

EDWARD W. CLARK.

The above is one of many letters we receive, and we wish to advise all that THE FUMIGATING KIND TOBACCO POWDER is not genuine if our "guarantee tag of satisfaction or money back" is not attached to every bag. In every case similar to Mr. Clark's no tags were attached, this alone showing fraud. Buy direct from us.

THE H. A. STOOHOFF CO.

Mention Review when you write.

SPECIMEN PLANTS.

Decorators will do well to write us about large plants before cold weather, while they can be shipped safely by freight. We have a fine lot of large palms and miscellaneous plants, just the thing for decorators. Send for list.

ASPARAGUS PLUMOSUS TRUE MANUS.

2-inch	.....\$0.50 per doz.	\$3.50 per 100	\$30.00 per 1000
3-inch	.....1.00	8.00	70.00

FERNS FOR DISHES, \$3.00 per 100; \$25.00 per 1000.

Send for complete illustrated price list, mailed free.

THE GEO. WITTBOLD CO., 1657 Buckingham Place, CHICAGO

Mention the Review when you write.

CHOICE HARDY PLANTS

For Fall Planting.

	Per 100
Chrysanthemum Inodorum, strong field plants	\$ 5.00
Maxima	4.00
Hibiscus, 3 varieties, 3-inch pots	8.00
Gaillardia Grandiflora, strong field plants	6.00
Compacta	8.00
Coreopsis Lanceolata	5.00
Helenium Autumnale, 3-inch pots	8.00
Rosea, 3-inch pots	5.00
Helianthus Rigidus, strong field plants	5.00
Maximiliani, strong field plants	5.00
German Iris, strong field plants	5.00
Funkia Caeulea, strong field plants	4.00
Hardy Aster, 6 varieties, strong plants	5.00
Digitalis Gloxiniaeflora, strong field clumps	10.00
Delphinium Chinensis, strong field plants	8.00
Formosum	8.00
choice hybrids, 2 1/4-inch pots	10.00
Phlox, choice mixed varieties, 3-inch pots	5.00

Wagner Park Conservatories, Sidney, Ohio.

Mention the Review when you write.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.50; 50,000... \$6.25. Sample free.

For sale by dealers.

Mention Review when you write.

FERNS.

BOSTON FERNS	PIERSONI FERNS
2 1/4-inch.....\$5.00 per 100	2 1/4-inch.....35c each
3 ".....10.00	50.....at 30c
4 ".....15.00	100.....at 25c
5 ".....25.00	3-inch.....at 50c
6 ".....40.00	4 ".....at 75c
7 ".....60.00	5 ".....at \$1.00
8 ".....\$1.00 to \$1.50 each	6 ".....at 1.50
10 ".....2.00 to 2.50	7 ".....at 2.50
	8 ".....at 3.00

Asparagus Plumosus, 2-in., \$5.00; 3-in., \$8.00; 4-in., \$15.00 per 100. Asparagus Sprengeri, 2-in., \$3.50; 3-in., \$5.00; 4-in., \$10.00 per 100.

Order 2-in. Cinerarias, Chinese Primroses and Obconica. Cut Roses and Carnations. Mrs. Joost and Mrs. Fisher carnations, extra fine plants, \$5.00 per 100. Write—

GEO. A. KUHL, Pekin, Ill.

Mention the Review when you write.

ORCHIDS.

Arrived in splendid condition a grand lot of Cattleya labiata; also C. Maxima. Write for prices.

Lager & Hurrell, Growers and Importers... Summit, N. J.

Mention the Review when you write.

SAN FRANCISCO.

The Market.

We are all waiting for chrysanthemums to appear in fair quantities and then our trouble will be over for a few weeks. We have finished with asters and as roses and carnations are almost off crop at the present time there is nothing to do except fall back on our usual autumn flower. I passed through the chrysanthemum belt about a week ago and, although I think the flowers will be somewhat later than usual this season, the prospects for a big crop are very good and will, I think, come up to expectations.

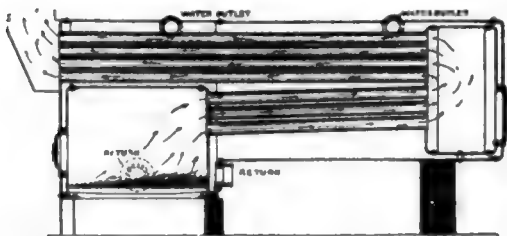
Notes.

J. A. Carbone, the well known Berkeley carnation grower, had the misfortune to have his residence burned to the ground on Wednesday morning, but the flames did not travel to his carnation houses, situated in the rear, and Mr. Carbone feels very thankful for that. His loss will be about \$5,000.

San Francisco was treated to a novel show in the exhibition of the Pacific Coast Horticultural Society's display of dahlias at the Palace hotel last week, and its success was due largely to the efforts of J. W. Bagge. G.

The "Superlor" Boiler

BEST FOR GREENHOUSE HEATING.



WE claim this to be the most **ECONOMICAL BOILER** on the market. The simplicity of construction is apparent from the illustration: built throughout of first-class steel plate; no cast iron rings or legs to crack—all solid steel. Made in five sizes, for 4,000, 5,000, 6,000, 7,500 and 9,000 lineal feet of 4 inch pipe. Every boiler built to order. Send for price list and full information.

SUPERIOR MACHINE AND BOILER WORKS,
129-133 W. Superior St., **CHICAGO.**

Mention the Review when you write.

SULPHO-TOBACCO SOAP

COMBINES THE STRONGEST

TOBACCO EXTRACT

with Sulphur and Alkali. Never fails to

KILL BUGS AND INSECTS

GREENHOUSE STOCK

kept healthy by using this popular Insecticide. Satisfaction guaranteed. Prices low. Write for sample cake.

Larkin Soap Co. BUFFALO, N.Y.

Fumigating Kind Tobacco Powder

KILLS ALL APHIS IN ONE NIGHT

THE H. A. SEEDHOFF COMPANY
110, 117, 118 West St., N. Y. C.

Mention the Review when you write.

Many Florists

have said that **Dixon's Graphite Pipe Joint Compound** saves them time, money and trouble. It is equally useful for steam or water joints. Before overhauling your pipes let us send you booklet.....

JOSEPH DIXON CRUCIBLE CO.
JERSEY CITY, N. J.

Mention Review when you write.

Florists' Foil

AMERICAN BRAND
PLAIN, EMBOSSED, COLORED.

MANUFACTURED BY

Violet and Rose Foil a Specialty.

The John J. Crooke Co. 155 to 163 Ave. D, NEW YORK.
Established 1850. 149 Fulton St., CHICAGO.

TO-BAK-INE

APHIS....PUNK

DEATH TO THRIPS

Green and Black Fly
and all Greenhouse Pests

Specially prepared paper thoroughly saturated with **PURE NICOTINE**

Can be **EASILY** used

POSITIVELY EFFECTIVE

FREE FROM AMMONIA

Will not injure any greenhouse plants.

1 Box (12 Rolls).....\$0.60
1 Case (12 Boxes)..... 6.00

MANUFACTURED ONLY BY

DETROIT NICOTINE COMPANY.

E. H. HUNT, 76-78 Wabash Ave., CHICAGO
Selling Agent.

Mention Review when you write.

AMERICAN FLOWER and TREE TUB.



Made from Everlasting CYPRESS.

Various sizes, green or natural finish. Castings black.

Feet and bolts packed inside tubs for shipment.

We also have the neatest **Plant Stand** on the market.

Send for Catalogue C905.

American Wooden Ware Mfg. Co., Toledo, Ohio

Mention the Review when you write.

SPHAGNUM MOSS.

Best selected quality, per bale of 5 barrels. \$2.25. Try a bale, it will please you.

U. CUTLER RYERSON,

108 Third Ave., -- **NEWARK, N. J.**

Mention the Review when you write.



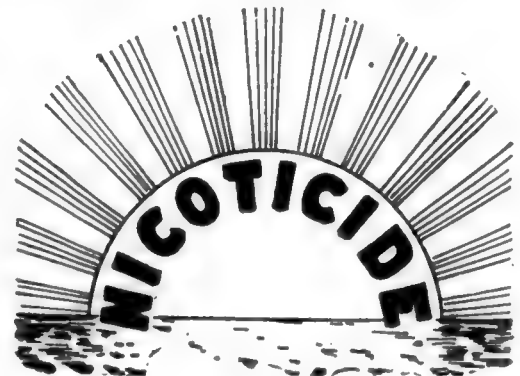
HITCHINGS & CO.

233 MERCER STREET, NEW YORK.
GREENHOUSE BUILDING.

VENTILATING APPARATUS

FOR WATER BOILERS, PIPES AND FITTINGS.
SEND FOUR CENTS FOR CATALOGUE

Mention the Review when you write.



CHEAPEST BEST BUG KILLER.

Tobacco Warehousing & Trading Company
Louisville, Ky.

Mention the Review when you write.

The New and Popular
Greenhouse Fumigator called

"THRIPSCIDE"

Used extensively by such growers as Bassett & Washburn and others, can be had direct from the manufacturers

THE LILLY-LILLY CHEMICAL CO.,
96 Fifth Ave., **CHICAGO, ILL.**

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G. L. GRANT, EDITOR AND MANAGER.

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Wednesday morning to insure insertion in the
issue of the following Thursday, and earlier will
be better.Entered at the Chicago post-office as mail
matter of the second class.This paper is a member of the Chicago Trade
Press Association.

INDEX TO ADVERTISERS.

This index covers only those having displayed
advertisements. There is a host of others mak-
ing offers in our classified ads. and they will be
found there under their proper headings.

Allen, J. K.	762	Getmore Box Factory	781
American Gardening	758	Ghormley, W.	762
Am. Wooden Ware	780	Giblin & Co.	783
Am. Co.	780	Graham, H.	767
Amling, E. O.	757	Green, C. H.	776
Aschmann, Godfrey	775	Gude & Bro., A.	766
Bache, Simon & Co.	783	Gullett & Sons	775
Baker, W. J.	761	Guttman, A. J.	763
Ball, C. D.	778	Hammond, J. A.	762
Barnard & Co.	745	Hauswirth, P. J.	766
Bassett & Washburn	764	Hawkinson, Chas.	758
Bayersdorfer & Co.	746	Heacock, Jos.	775
Beach, D. S.	777	Heini, Jos.	774
Beckert, W. C.	759	Heiss, J. B.	776
Beneke, J. J.	766	Heller Bros.	761
Bentley & Co.	764	Hellos-Upton	781
Berger, H. H. & Co.	746	Herr, A. M.	764
Bernheimer, E.	761	Herrmann, A.	746
Berning, H. G.	765	Hesser, W. J.	779
Berry, F.	776	Hicks & Crawbuck	763
Bobbink & Atkins	778	Hill Co., E. G.	761
Bonnot Bros.	762	Hippard, E.	781
Bowe, M. A.	766	Hitchings & Co.	780-82-84
Bradshaw & Hartman	763	Holton & Hunkel Co.	761
Brague, L. B.	765	Hunt, E. H.	764-80
Breitmeyer's Sons	766	Igoe Bros.	781
Brod, J.	775	Jacobs & Son.	781
Bruns, H. N.	784	Johnson & Stokes	761
Buckley Plant Co.	777	Jurgens, Aug.	761
Budlong, J. A.	764	Kasting, W. F.	745
Burpee, W. Atlee &	750	Kellogg, Geo. M.	761
Co.	750	Kennicott Bros. Co.	745
Caldwell Co., W. E.	782	Kimberly, F. H.	776
Caldwell The Woods-	763	King James	777
man Co.	763	Knoet, C. H.	778
California Carnation	777	Kramer & Son.	781
Co.	777	Kreshover, L. J.	762
Century Flower Shop	766	Kroeschell Bros. Co.	784
Chicago Carnation	745	Kuehn, C. A.	765
Co.	745	Kuhl, Geo. A.	779
Clarke Bros.	766	Lager & Hurrell	779
Clarke's Sons, David	766	Lange, A.	766
Classified Advs.	766	Langjahr, A. J.	762
Converse Green-	778	Larkin Soap Co.	780
houses	778	Lecakes & Co., N.	763
Cottage Gardens	761	Lilly-Lilly Chemical	780
Cowee, W. J.	779	Co.	780
Crabb & Hunter	776	Limbach, C.	784
Crowl Fern Co.	763	Lion & Wertheimer	767
Crooke Co., J. J.	780	Livingston Seed Co.	781
Cunningham, J. H.	779	Loomis Floral Co.	775
Dearborn Engraving	746	Lord & Burnham	784
Co.	746	Ludemann, F.	774
Dickinson Co., Albert	759	McConnell, Alex.	766
Dietsch, A. & Co.	784	McCray Refrigerator	775
Diller, Caskey & Co.	782	Co.	775
Dillon, J. L.	777	McCullough's Sons	765
Dillon Greenhouse	783	McManus, Jas.	762
Mfg. Co.	783	McMorran & Co.	784
Dirken, B. W.	758	Meehan, C. E.	774
Dixon Crucible Co.	780	Michigan Cut Flower	765
Dorner, F. & Sons Co.	765	Exchange	765
Drer, H. A.	784	Millang, A.	763
Dunn & Co., C. A.	761-74	Millang, C.	762
Dunne & Co.	746	Millang, F.	763
Eickholt, Mrs. Chas.	766	Moninger Co., J. O.	783
Elliot, J. L.	782	Moon Co., W. H.	758
Ellis, F. M.	765	Moore, Hentz & Nash	762
Engel, Geo.	774	Moss, Isaac H.	775
Everett, A. B.	776	Muno, John	764-76
Fellouris, A. J.	763	Murphy, Wm.	765
Finley, C. E.	781	National Florists'	763
Florists' Hall Asso.	782	Board of Trade	763
Foley, J. J.	780	Naumann, G. M.	774
Foley Mfg. Co.	783	N. Y. Cut Flower Co.	762
Ford Bros.	763	Niessen, Leo.	761-75
Foster, L. H.	765	Oechslin Bros.	774
Garland, Geo. M.	783	Park Floral Co.	766
Garland, Frank.	764	Parker-Bruen Co.	781-83
Gasser Co., J. M.	766	Peacock, W. P.	765
Geller, Sigmund	746	Pennock, S. S.	760-65-76
		Perkins, J. J.	763
		Peterson Nursery	760
		Philadelphia Whole-	763
		sale Flower Market	763

Pierce Co., F. O.	781	Slinn & Hughes	763
Pierson Co., F. R.	785	Smith & Son, N.	775
Pierson-Setton Co.	784	Smith Co., W. & T.	768
Pittsburg Cut Flow-	760	South Park Floral Co.	761
er Co.	760	Sprague Smith Co.	783
Plant Seed Co.	760	Stern & Co., J.	746
Poehtmann Bros.	764-74	Stewart, S. B.	767
Pollworth Co.	779	Stoothoff, H. A.	779-80
Quaker City Machine	779	Studer, N.	777
Boiler Works	783	Stumpp & Walter Co.	759
Randall, A. L.	764	Superior Machine &	780
Rawlings, E. I.	774	Boiler Works	780
Rawson & Co.	759	Swanson, Aug. S.	766
Raynor, J. I.	763	Syracuse Pottery	781
Reed & Keller	748	Thorburn, J. M. & Co.	769
Regan Ptg. House	763	Tobacco Warehouse-	780
Reid, Edw.	761	ing & Trading Co.	780
Reinberg, Geo.	764-76	Treadwell & Schenck	763
Reinberg, P.	764-77	Vesey, W. J. & M. S.	774
Rice Bros.	767	Vincent, Jr. R. & Son	774
Rice, M. & Co.	766	Virgin, U. J.	767
Riedel & Spicer	763	Vredenburg & Co.	759
Robinson & Co.	746	Wagner Park Con-	778-79
Rock, W. L.	768	servatories	778-79
Roehe, Julius	745	Watson, W. H., Son	774
Rupp, J. F.	774	& Co.	774
Ryerson, U. C.	760	Weber, F. C.	766
Saltford	766	Weber & Sons	774
Saltford, Geo.	769	Weiland, M.	766
Schiffmann, R.	779	Weiland & Risch	764
Schmitz, F. W. O.	746	Whitton, C.	765
Schultheis, A.	784	Whitton, S.	778
Scollay, J. A.	784	Wiegand & Sons	766
Scott, John	778	Wietor Bros.	764
Scott, W.	766	Wilks Mfg. Co.	782
Sheridan, W. F.	762	Williams Co., F. R.	761
Shibeley	766	Winterson Co., E. F.	767
Siebert, C. T.	783	Wittbold Co.	766-79
Siebrecht & Son	766	Young, John	762
Sievers & Boland	766	Young, J. W.	761
Sinner Bros.	764	Young & Nugent	762
Skideisky, S. S.	778	Zvolanek, A. C.	759

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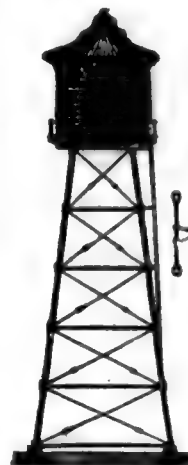
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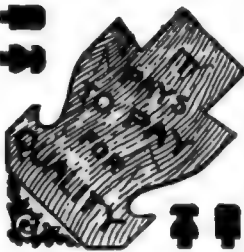
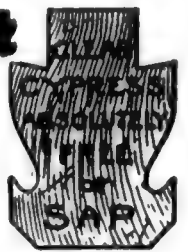
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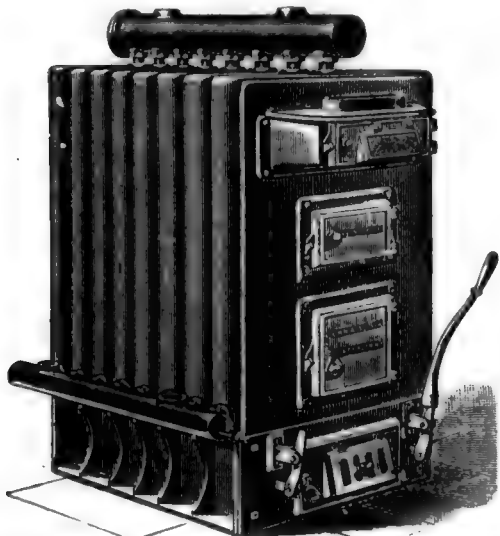
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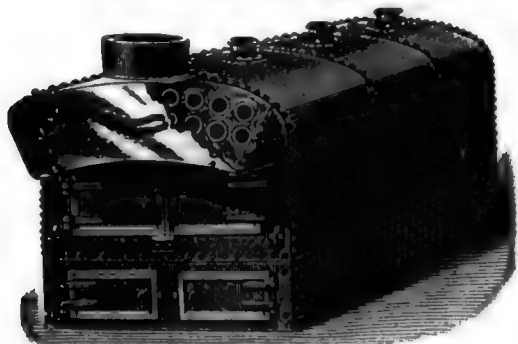
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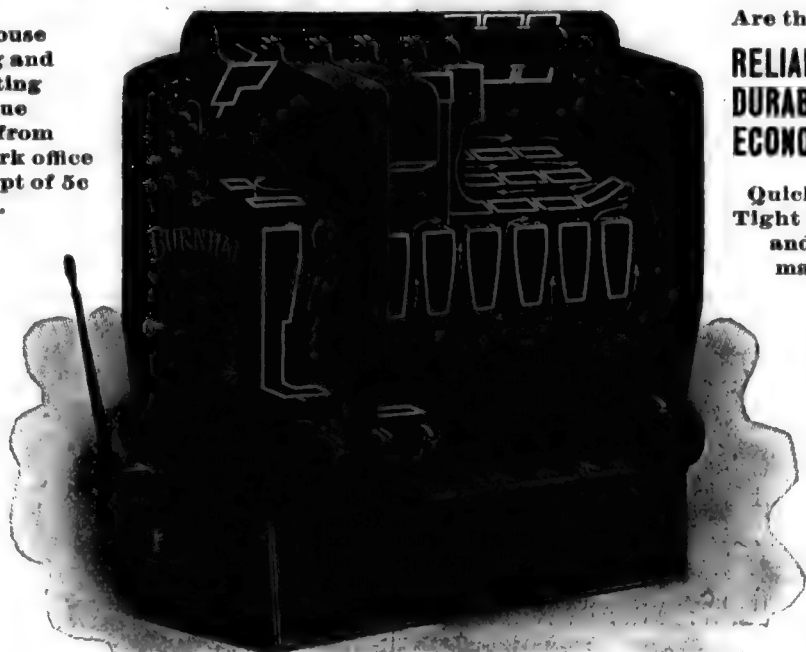
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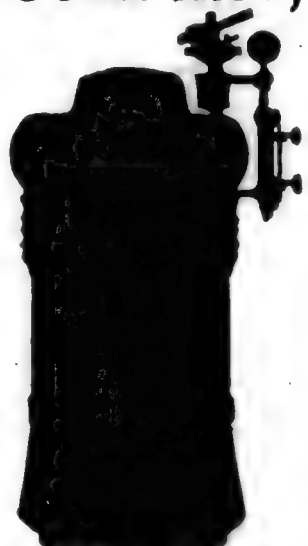
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Vol. XII.

CHICAGO AND NEW YORK, OCTOBER 8, 1903.

No. 306.

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THE RETAIL

FLORIST.....

DRAPERY STUDIES.

I—Drooping.

"Any old way" is applicable to no phase of decorative work. A worker in greens may form his plan long beforehand, or upon the last rung of the ladder, with material in hand, but whenever he does, there must be a plan in mind of what will be soon growing from his hands, else the product will be a meaningless jumble. On the spur of the moment is all right for details, but the general plan can scarcely be an off hand product.

According to the circumstances and surroundings, choose some definite type of design and let that style be the dominant one of the whole decoration. This does not mean that every drape shall be like every other one in the whole plan, but let most of the material be used in harmony with this one idea, and the few variations will serve to emphasize the main theme. An instance of this is seen in the illustration herewith, of a simple wedding decoration in the drooping style of drapery.

In nature we find this style in straight festoons like those of the Florida moss which grows in the live oak forests of the south, and this same festoon interrupted or caught is the festoon so largely adopted in conventional design, as in the upper foreground of our study illustration.

In the analysis of this decoration observe that the lines of drapery do not come from nowhere. They have definite centers and terminations. This particular decoration was chosen for this example on account of the distinctness of the lines. It is not an elaborate arrangement, hence the lines of drapery can be traced easily. There are three centers or sources of drapery lines. One is the upper right hand corner of the mirror. Here are placed about six or nine strings of separated smilax tied together at the heavy ends. From this place as a center the sprays of smilax form drapery lines extending down and out in all directions, catching here and there on another festoon or any inviting projection, nowhere obscuring any great portion of the mirror. Another cluster of about as many strings is started from the upper corner of the door frame partly visible on the left. A knot of drapery belonging to this center falls to the top of the seat below and reaches in a slender spray to the floor, thus balancing the effect of the long garland that extends to the base of the pillar on the right. Another part from this center is draped along the ceiling toward this pillar. A third bunch of strings festoons the pillar, joins the chandelier several feet behind, and completes the line of festoons to the extreme right. The heavy parts of the drapery are at the center, and the terminals are never abrupt. The light, delicate ends naturally belong there.

As should be the case, the bulk of the

decorations are kept well up to be more easily seen. The lines of the graduated drapery are distinct and all the centers of drapery are connected. No matter how heavy or elaborate these same draperies might be made, these two principles should obtain; namely, heavy lines at the center, gradually becoming lighter toward the vanishing point, and the whole scheme connected either in fact or in attempt.

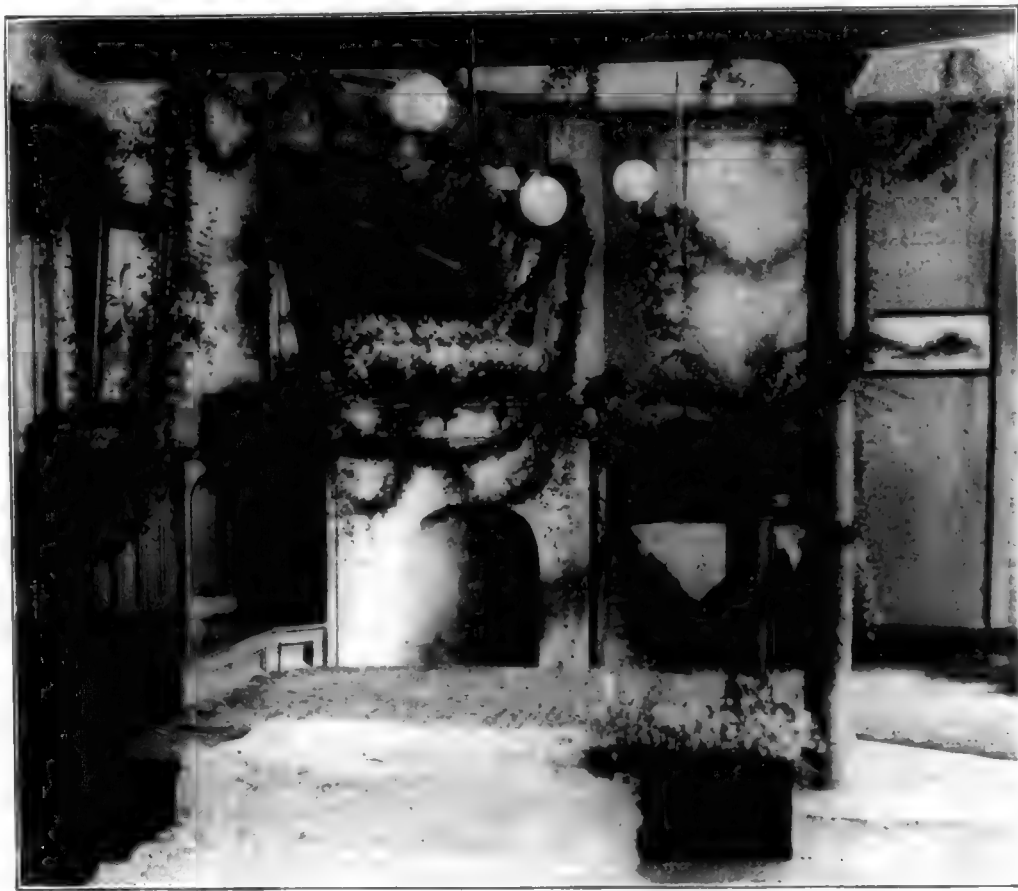
Were this same corner to be decorated in autumn colors, a very different procedure would be followed. Panels and masses of rich coloring would be used, both with foliage and flowers. This style of drapery is the most commonly used and easiest of execution.

A long line of festoons like that of the upper foreground serves to lengthen the space in which it is used. That was one of the purposes of its use here. The

with this variety, that I am forced to believe there is some truth in the claim that it is running out. The trouble most commonly noted is a softening of the foliage, which gradually increases, even under the best conditions, until the leaves begin to drop. There is little doubt but that the high temperature to which we are forced to expose it in order to make it productive during the winter months must after a time have a baneful effect on its constitution.

When a variety refuses to do well under the same conditions and treatment in which it formerly flourished, and when it shows itself much more susceptible to all and every trouble there is evidence to lead to the conclusion that its constitution is being undermined. So far as I can learn every Meteor grower has contented himself with wood from stock forced in this manner, for propagating purposes, and of course has to use it at the time when it is nearly the height of the forcing season, when the wood and foliage must necessarily be at their softest stage. Under such circumstances it is astonishing that the symptoms of deterioration have not become apparent before now.

A brother grower made a suggestion to me recently, that the best way to overcome this difficulty would be to grow as many plants as would be required for



The use of Smilax in a Home Wedding Decoration.

space between the pillar and door seemed almost too contracted for the purpose until this line of festoons, aided by the narrowing of the space behind, relieved that appearance. GERTRUDE BLAIR.

ROSES.

Difficulties with Meteor.

I have recently had so many complaints about Meteors failing to do so well as in former years, and these in many instances coming from growers who used to be noted for their success

stock raising at a lower temperature in order to regain the vitality lost by overforcing. There might be some value in this and those who are afflicted and have the room to spare might find it profitable to give it a trial.

In some notably heavy loam soil the conditions are the reverse of this. The plants seem to be increasing in vigor from year to year and the blooms getting larger and deeper in color. Where such soils are available and its culture carefully studied there is no doubt but that it is one of the most profitable varieties, and that there is a demand for

roses of that color is evidenced by the fact that where this rose fails growers are manfully battling with that cranky variety, Liberty, to fill the vacancy, some having even requisitioned the old Wootton to take its place.

From my own experience with it this season so far I am entirely satisfied, it being more vigorous and productive than in any former year. RIBES.

CHRYSANTHEMUM COMMITTEES.

President Arthur Herrington has announced the following committees to examine chrysanthemum seedlings and sports in their respective cities, October 10, 17, 24 and 31 and November 7, 14, 21 and 28, 1903:

Boston, Mass.—E. A. Wood, chairman, Boston Flower Market, care of John Walsh; Wm. Nicholson and James Wheeler.

New York, N. Y.—Eugene Dailedouze, chairman, care New York Cut Flower

Co., Twenty-sixth street and Sixth avenue; Wm. H. Duckham and Wm. Plumb.

Philadelphia, Pa.—A. B. Cartledge, chairman, 1514 Chestnut street; Wm. K. Harris and John Westcott.

Chicago, Ill.—James S. Wilson, chairman, care J. B. Deamud, 51 Wabash avenue; Edwin A. Kanst and E. Wienhoeber.

Cincinnati, O.—Richard Witterstaetter, chairman, to Jabez Elliott Flower Market, care of Janitor; James B. Allan and Wm. Jackson.

Exhibits to receive attention from the committees must in all cases be prepaid to destination and the entry fee of \$2 should be forwarded to the secretary not later than Tuesday of the week preceding examination. Attention of the exhibitors is called to the action taken at the last meeting of the C. S. A., requiring all sports to be exhibited before at least three committees before becoming eligible to receive certificate.

FRED H. LEMON, Sec'y.

the Christmas plants than with the Easter lot.

Acacias.

Along now will also come the *Acacia armata* and *metrosideros* (bottle brush). These are usually from pots and don't want any root pruning. See that the ball of roots is wet before you pot them, and keep them for the next three months, at least, in a night temperature of 40 degrees. The acacias are very apt to be too early for Easter unless you keep them very cool.

Rhododendrons.

The rhododendrons seemed to be in rather better demand last spring than any previous year, but that was perhaps only local. A large price should be obtained for them, as they are bulky plants, but they need not occupy the greenhouse all winter, as do the Indian azaleas. Those who are blessed with a root house and can plunge the ball of roots of these plants in soil and keep the soil moderately moist have an ideal place to winter them, better than a greenhouse, for these evergreen shrubs, as we all know, are nearly or quite hardy in our northern states. If you have not the convenience of a root house, then a damp frame will do, and keep out what frost you can. Some varieties force in less time than others. Two months before selling time will be early enough to pot up any of them. Don't make the mistake of letting the soil they are plunged in get dry. That would be entirely contrary to their natural winter condition out of doors.

Shrubs for Forcing.

Hardy shrubs will be forced this winter, perhaps more than ever. Some are grown here, but the majority are grown and prepared for forcing in Europe—lilac, deutzia, viburnum, cydonia, wistaria and perhaps others. As these are all hardy shrubs, a cold frame is all that is needed for them when received, and pot them up when you bring them in to force. If you had the convenience to pot them now I don't believe it would be the slightest advantage. They are deciduous and would make no roots until you started them in heat. There is, however, occasion to be careful of these shrubs, even if they are hardy under natural conditions. Remember they are most likely packed and shipped before any hard frost occurs on the other side and they have been in boxes in the hold of a vessel for ten days, perhaps more. Now that is not at all a cold place and when these shrubs are unpacked they are in poor order to withstand a sudden severe freeze. Get the roots plunged and watered as soon as possible and let frost approach them only gradually. I mention this because a few years ago I saw 200 fine plants of *Deutzia gracilis* exposed the first night after unpacking to 20 degrees of frost. It left them useless and they were never exposed for sale.

WILLIAM SCOTT.

ROOT PRUNING PALMS.

I have large *latanias* and *phoenix* in half barrels that were formerly used for kerosene. The roots are lifting the palms out of the tubs. The plants are in fine healthy condition. Can anything be done to keep them in the same-sized barrels or must they have larger tubs? These plants have about nine feet spread, but my employer tells me that in some way northern florists grow plants very large

MISCELLANEOUS SEASONABLE HINTS.



Handling the Azaleas.

Very soon the Indian azaleas and other shrubby plants that we import from Europe will be here. Sometimes the ball of earth will be quite dry by the time they reach you. It is well known that the ball of roots and soil, if left entire, would need a pot larger than is necessary for the growth of the plants and too large for appearance sake. Take a sharp carving knife and cut cleanly off an inch or two all around. If you want to put the plant in a 6, 7 or 8-inch pot, then cut off the roots until the ball is just a trifle less than those sizes. It is no advantage to have an inch of fresh soil all around the ball. They won't occupy it with roots in three years and it would be an actual detriment to the health of the azalea. You hope to sell the plant in six months and with 90 per cent of all the azaleas imported that is the end of them. After you have the roots trimmed dip the ball in a tub of water for a few moments, or long enough to thoroughly wet it through. If the ball of earth is dry all the watering you can give it in the ordinary way will not wet it sufficiently.

You don't see the potting stick used much nowadays, but here is an operation where a blunt stick, say an inch broad and one-fourth of an inch thick, is almost a necessity, for you want to get the new soil down firmly in the space between the sides of the pot and the ball. The soil in which these azaleas are grown, in Belgium at least, seems to be a dark, decomposed sandy peat, such soil as few of us have here; and although the azaleas will often remain in the best of health two or three years with us without making much, if any, roots in the soil we give them, yet I do not think that the peat is the only soil that will grow azaleas well. We have seen them root vigorously in a good, yellow loam. Two-thirds of yellow loam and one-third of leaf mold would do very well, and the comparatively small shift you give them

on arriving will, if not sold, carry them over the second winter in good shape.

These newly imported plants, after being potted, should be stood in a cool, shaded house. A spraying every bright morning for two weeks will help them to get over their sea voyage, after which they want neither shade nor spraying. Large importers of these plants place them in frames, where they have the means of keeping them above the freezing point, and a good place it is.

For Early and Late Forcing.

Azaleas that you have summered over, if properly managed, make better Easter plants than those imported the previous October, particularly some of the finest varieties. The flowers may not be so large individually, but there will be more of them. In some varieties, notably the well-known Bernard Andre and B. Andre alba, and others, the recently imported will come largely blind, which they never do on plants summered over in pots.

Contrary to what might be expected, the plants you have grown all summer and which are full of buds, with roots undisturbed, are not the plants to force for Christmas. The newly imported plants are the ones for that purpose. By the first of November you can select those you want in flower at the holidays. How many varieties are useful for this purpose I don't pretend to know; there may be some new ones. Three reliable stand-bys that can easily be had in flower by Christmas in a night temperature of 65 degrees are the unequalled *Deutsche Perle*, which is all you want in white, Simon Mardner, dark pink, and the beautiful *Vervaeana*, white and pink, variegated or mottled. Give your forcing plants a daily spraying and plenty of water. You have perhaps noticed that if you let an azalea wilt its flowers, they will remain wilted and the sale of your plant is gone. This more readily occurs and is more hurtful with



Part of the Rose Garden at the St. Louis World's Fair.

in very small tubs. But having been as far north as Maine, all plants seem to me to grow equally well with the same care, either north or south. A. B.

Such a condition frequently arises where these strong-growing palms are kept in the same tubs for a number of years, and growers sometimes resort to root pruning in order to keep such plants within bounds. But it would be better to defer such an operation until early next summer, the season of active growth being so nearly over, and in the meantime the edges of the tubs could be built up an inch or so with a strip of wood to allow more space for watering. The root pruning simply consists of cutting away the mass of coarse roots that have accumulated in the bottom of the tub, a strong and sharp knife being the handiest tool for this purpose. Then dig out as much soil as can be readily removed without injury to the remaining roots, and repot the plant in the same tub.

W. H. TAPLIN.

VIOLETS FROM THE FIELD.

Circumstances are frequently such that you cannot do things in the order that you prefer and think best, and then "the next best thing" is to do the very best possible. This is what we have been doing. One of our violet houses has been overhauled this season and we thought to have it in shape to plant early, but, alas, the wet weather and various other matters delayed us so that we have only just finished planting it with clumps from the field, while we much prefer to have them grown in the house.

This is the first time in a number of years that we have left a house to be planted from the field in the fall; however, they are looking up nicely, despite the warm, pleasant weather which we are having now and which we should have had during the summer.

But the planting now should not be delayed, as it is getting where we are liable to have storms that will make it mussy and bad for lifting the plants and then, too, if it gets wet and cold the plants are so brittle that you will lose much more of the foliage than is good, and there will be considerable loss at the best. We consider it best to clean

the pin runners, etc., off thoroughly before planting them, for two reasons; it is much better for the plants as there is not so much to exhaust the roots while they are taking new hold, and, again, it saves much back-aching work a little later. Of course the weather and other circumstances may compel you to house them in a hurry, so that you cannot do this, but if not, clean them by all means.

After planting them we find a "Boston rose" the best spray for the hose as this does not scatter the water and you get it right where you want it on the plant, washing it clean of the soil that will get on it more or less, and settling the soil nicely about the roots.

We keep the temperature as low as possible with plenty of ventilation; in fact, all that we can get without draughts and currents. The house will also need a light shading for a few days until the plants get their new start, when it should be removed unless it should be an unseasonable, warm sunny season, when it would be well to hold it till the end of same.

We have not yet marketed any flowers from the other houses, as we prefer to hold them back till later and they are better. Go over them often and keep a

sharp lookout for everything, keeping them in the best of shape, remembering that the most trying part of the violet season is near at hand. Be sure and keep them cool. R. E. SHUPHELT.

ST. LOUIS WORLD'S FAIR.

The accompanying illustration shows a portion of the rose garden at the St. Louis World's Fair, photographed September 17. This section of the rose plantation is on the east front of the Agriculture building. The roses in the foreground are Magna Charta, planted May 26, 1903. They average four feet in height. The bed in the rear is Clio, 756 plants put in the ground May 19, 1903. They have made a good growth, the shoot held by the man in the photograph measuring four feet six inches in length. The bed in the distance, at the right, are the first roses planted, April 22, 1903, and there the growth is over six feet on some of the plants. The terrace back of the roses was being seeded the day the photograph was taken and at the date of writing, September 30, the new grass quite covers the ground. The beds on the terrace are to be planted with bulbs this fall, to be followed by bedding stock next spring. In the background is a short section of the Agriculture building, 100 feet from door to door, just one-fifteenth of the entire length of the building.

The other illustration shows the Horticulture building as it appeared September 17, 1903.

THE HARDY PHLOXES.

Given reasonable treatment, phloxes are grand subjects, either in a bed or border, alone or among other plants. Nowadays they are so dwarf in habit as compared to what they used to be that many varieties may be planted close to the front of the border, and in this way they are useful to fill up gaps and give brightness when many of the regular occupants have passed their best. Some say that not more than half a dozen growths should be allowed to a root or stool. Perhaps so, if extra large blooms are needed, but for ordinary border decoration double that number is not too many. Two, three and four-year-old plants make the best display, especially if the weakly shoots are cut away



Site of Horticulture Building, St. Louis World's Fair. Photographed Sept. 17.

(The Agriculture Building is the huge pile in the background.)

early, allowing more space for the stronger to develop fully. An annual mulching of half-decayed stable manure in June will be advantageous if the weather is dry for any length of time. Copious supplies of liquid manure when growth is in full flush will induce luxuriance of leafage, which is a precursor of fine flower heads. A top-dressing, too, in April of half-decayed manure, wood ashes, road grit, or decayed vegetable refuse will aid growth at a time when the succulent shoots are showing well above the soil, says E. Molyneux, the well known writer in the *Gardeners' Magazine*.

Deeply-dug and well-manured soil is the first essential to success. Where the soil is heavy, therefore cold and retentive of moisture, planting in spring is preferable to any other time. In such a soil slugs are too troublesome when autumn planting is practiced. The succulent crowns seem too tempting to be passed over. When dividing old roots a common mistake is that of selecting the portion nearest the center for planting, whereas this is weakened by exhaustion. The stocky, vigorous growths at the outside are much more preferable, as they quickly grow into plants calculated to give extra strong flower spikes.

Mr. Molyneux advises everyone to propagate a few plants annually, as he finds single-stemmed stock most useful for filling up gaps in the fronts of herbaceous borders. Such plants grow shorter than

established plants, give one good truss, and are quite effective in every respect. Such plants, too, are available for taking the place of those worn out in the middle or the back of the border, as the case may be.

This grower has about 100 varieties but the average man can use but a few. He places *Tapis Blanc* at the head of the white-flowered varieties. The habit of growth is dwarf—eighteen inches; the blooms measure quite two inches in diameter, forming a compact, solid spike. *Amazone*, three feet, is a charming variety; the flowers are of good form, and of the purest white. *Josephine Gerbaux*, four feet six inches, has a deep crimson eye, surrounded with white, and is a striking variety. *Pantheon*, three feet, is rosy-salmon, extra large blooms. *Eclair*, two feet six inches, has enormous flowers, compact spike, carmine, suffused with primrose, the center salmon-rose, veined carmine. *L'Aiglon* is rosy-carmine, with carmine eye. *Miss Pemberton*, one foot six inches, salmon-pink, crimson eye, he says, is quite the best of dwarf-growing kinds. *Flambeau*, two feet, orange-scarlet, has a deeper eye. *Gourdan*, three feet, rose, lighter eye, makes a good spike. *Etna*, three feet six inches, orange-scarlet, maroon center, quite one of the best of bright-colored varieties, better than *Coquelicot*. *Edouard Lockroy* is velvety violet, extra large blooms fully one and three-quarter inches in diameter.

tage, as later, when pressure of business demands all attention, important details are apt to be left out.

First of all prepare a sufficient quantity of soil to be used expressly for potting the cuttings as they come from the sand. Use entirely new soil, discarding that which has at any time been used in the houses for any crop or upon which carnations have ever been grown. Rotted sod, from good grass land, that has lain in a pile for a year or more and to which no animal or chemical manure has been added is the ideal soil for the purpose.

The cutting as it comes from the sand should be put on the plainest kind of diet, the object being to obtain a slow, sturdy growth, the effect of which will be to produce a season of partial rest. Temperature will, of course, play an important part, but this subject of rest will be enlarged upon in due season.

Locate the pile outside within convenient reach of the hose in case the soil should become dry. If you have an unheated soil shed, so much the better; if not, cover with straw, as soon as the frost forms a crust on the surface, to prevent further freezing. Later add a covering of boards, tar paper or other material to shield from rain or melting snow. Left in this state it is an easy matter to get in a supply of perfectly sweet soil when needed.

The propagating sand should be gotten on the ground and if necessary screened to remove gravel, stones or other objectionable matter. It will be best to leave it exposed to the action of several frosts before putting in the bench.

Last year I described the construction of a brick-bottomed propagating bench which we have used with great success and, while not absolutely necessary, brick give a great advantage over boards. Besides being indestructible, the drainage is perfect, preventing the sand from becoming in the least soggy. The heat from the pipes underneath is absorbed by the brick and imparted to the sand in a uniform gentle manner very desirable.

Before filling with sand the brick should be coated with lime wash to which pulverized sulphur was added before boiling ceased, and applied hot. The action of hot lime on sulphur is about the only means by which a sulphurous solution can be obtained and when applied to a porous surface like brick, its fungus-destroying qualities are increased or made more available.

By the way, paint some of your heating pipes with this same lime and sulphur wash as soon as regular firing begins. With steam heat less surface need be coated than if hot water is used. Cover enough surface to give a faint odor of sulphur through the house when the pipes are well warmed.

Prices.

The question of prices on carnation blooms is a matter which I believe the average grower has not given the amount of thought it deserves. Considering the rapid improvement made in the divine flower during the past few years, the increased cost of building materials and fuel, also the extra amount of labor involved in the production of the grade of stock now demanded, let us see if the horny-handed grower has come in for his share.

The latest wholesale New York quotation on roses ranges from \$1 for low grade to \$8 for fancy Brides. Carna-



CARNATION NOTES—WEST.

Disbudding and Feeding.

I hope it is not necessary for me to urge you to look after the disbudding from now on, as common sense will tell you its necessity. Not only will it enlarge the bloom, but it will also help to stiffen the stems and on such varieties as *Lawson* it will help to lengthen them if it is done as soon as the buds can be handled. If disbudding is ever needed it is needed at this time of the season, when the carnation is naturally not at its best, as a result of transplanting, etc. You will also notice that varieties which come a trifle single in the fall will fill out considerably if disbudded when the buds are quite small. Remove the side shoots as low down as where you want to cut the stem, as it is yet too early to begin striking cuttings for general planting out. You should also get the second tier of wire and string supports on your beds, so the stems will grow straight and upright. Some of the taller ones will also soon need the third support to keep them straight. You can put it on just as easily now as later and it is not in the way, so put it in place as soon as convenient.

Pretty soon the fall shows will be held and perhaps you will want to show some of your carnations. Good stems are as

essential to a fine carnation as a fine bloom. If your soil is too light or if some of your varieties lack a trifle in stiffness in the stem, give them a light sprinkling of air-slaked lime or wood ashes every two weeks, watering it in well. Spraying the plants overhead with salt water will also help to stiffen the stems a little. About a two and one-fourth inch pot full of table salt to three gallons of water will do. Be sure you pick all the blooms first. If the plants were housed early in August or in July and you mulched them last month a dose of bone flour will do them no harm at this time. We mix it with soil, about one to eight, and let it lie a couple of days, turning it over two or three times to keep it from heating. A good handful to a row across a five-foot bench is enough, and water it in well. We prefer the fine bone flour, as it dissolves much quicker than the coarse brands do. We also find *Clay's* fertilizer valuable to use in the same way. Don't do any of this feeding, though, unless your plants are in good growing condition and the roots active and strong. First get your plants well established and then you can push the growth by extra feeding.

A. F. J. BAUR.

CARNATION NOTES—EAST.

Preparations for Propagation.

It is time well spent and much labor saved to make preparations for propagation at once, while the weather permits of handling material to the best advan-



House of New White Carnations at F. Dorner & Sons Co.'s, La Fayette, Ind.

tions are quoted from 75 cents for low grade to \$4 for novelties. If the difference in price is but one-quarter of a cent between the lowest grade of rose and carnation, why the wide difference (100 per cent) between the highest grade of the same flowers?

From the time a carnation cutting is rooted to the time salable blooms can be cut, I venture the statement that more labor has been expended than in the period required to bring roses to the productive point, while the earlier use of fuel required for roses is offset by earlier returns.

Since it takes the same amount of space, soil, coal and practically the same time to grow inferior stock as it does high grade, there is no good reason why such quantities of inferior carnations should appear on the market, only to lower the flower in the estimation of the public, and herein lies the solution of the problem. Grow the highest grade possible and those who strive to see how low a grade can be produced will soon alter their methods.

Had the wages of greenhouse help increased in proportion to those in other lines of trade, much less low grade stock would have reached the market. However, this is a matter which will present itself for solution in the near future as the demand for more experienced help is on the increase, which must result in higher wages, higher grade of production and prices consistent with increased cost of the same.

GEORGE S. OSBORN.

NEW CARNATIONS.

The accompanying illustration shows a carnation house at the establishment of Fred Dorner & Sons Co., Lafayette, Ind. The varieties are their new whites, described in our issue of July 30, 1903. On the first bench is Lady Bountiful, on the further bench The Belle. The house was planted July 28, 1903, and photographed September 14. Both varieties are to be distributed this winter.

TROUBLE WITH FERNS.

In the REVIEW of September 24 I note Mr. Altoona's trouble with ferns. We had the same difficulty for years. It is the thrips that make the leaves look as though burned or scalded. They are the little black bugs that crawl on the under

side of the leaves. They like ferns and rubbers better than palms or any other plant we know. We now use Thripscide once a week and our ferns are in fine condition. This was the only remedy we found to be successful and it is so easy to use that we now keep our stock clean and nice. If you will give Mr. Altoona this advice he will soon be over his trouble.

R. HOFFMAN.

PACIFIC COAST.

MENLO PARK, CAL.—A trip through Sidney Clack's establishment shows he has lost none of his skill as a rose and carnation grower. The stock all looks well and so does Mr. Clack himself. At Mr. Lynch's establishment a field of 60,000 chrysanthemums, of which about half are Bonnaillon, is an interesting sight, as is also his field of smilax. Both 'mums and smilax are in the open, except for some spreading old oak trees.

PLANT NOTES.

September has been, this year as well as last, one of our brightest months. We had considerable cool, cloudy weather in mid-summer and, although the days are getting shorter and the nights longer, everything in the greenhouses is still growing in good shape. Outside our asters are about gone and chrysanthemums are about beginning to make themselves known. Dahlias are just a little past their prime, but we will have good blossoms, although on somewhat shorter stems, until the frost comes. Roman hyacinths have arrived this week. The bulbs are a little above the average in size and give promise of doing all that is required of them.

Violets of the Princess of Wales variety are beginning to show blooms, but the weather is too warm at present and they are weak and flabby and until we get our first showers, generally about the first of November, we will not have much assistance from our violets. By the way, I do not think that in the neighborhood of San Francisco there were over half a dozen growers last season that had really first class violets. Of course, they are grown entirely out of doors here and cultivated much the same

as any vegetable. The fault seemed to be that growers used the same ground for several seasons, but experience has taught us that violets want new soil every year to be up to the mark. A great many more acres have been planted this year than ever and we hope to see plenty of good flowers later on.

Sweet peas are getting short of stem as the nights get longer and we will not see much of them after a couple of weeks. There are a few sheltered localities where sweet peas can be grown successfully the year around by systematic planting, but they are not in much demand out of season and are only used because flowers happen to be scarce.

Our fall crop of outside roses was not up to the usual standard this season, and but little use was made of them by the florists. Between the very dry season and an unusual supply of green ladybirds we did not cut many perfect flowers.

G.

CALIFORNIA CARNATIONS.

Hanna Hobart, the remarkable deep pink carnation that originated with John H. Sievers & Co., San Francisco, may be disseminated next year. It has so far been retained by Messrs. Sievers & Co., who have felt it was too important to them to have exclusive sale of the flowers at their store to allow the stock to go out. But there is a probability that a change in the program is imminent.

Hanna Hobart, as seen growing at their establishment, is a gem. The flowers are immense in size, color somewhat similar to Lawson and the growth strong and vigorous. It will be a great acquisition if disseminated. For years Sievers & Co. have received regularly the year around double the price obtained for any other carnation blooms. By the way, they now have a red sport from Hobart which gives them a new color in this type of carnation.

A. B. Spreckels, their new scarlet, has much the same habit as Hobart, very erect and spikey foliage, and evidently belongs in the same class. Both varieties are now a sea of buds and show their superiority to the standard sorts also grown on the place.

Tuberous begonias are grown here and the cut flowers are largely used in design work. They find them very useful, the flowers coming at a time of the year when other blooms are not plentiful. The plants are now passing out of bloom.

Ferns are largely grown here and a considerable number of Adiantum Williamsii was noted. He likes it better than Farleyense associated with orchids. And the writer agrees with him that it is more graceful and better adapted to the purpose. The orchids, by the way, are in prime condition and promise a splendid crop of flowers later. Cattleyas predominate in the stock, though other genera are grown.

BURLINGAME, CAL.

Quite a large new cut flower growing establishment is being built here by the Glenwood Nursery Co., of which Philip C. Meyer is the head. Thomas W. Breen is the manager in charge and he has been making things move. Though building operations were not begun until July, ten houses, each 25x150, are almost completed. Two have been planted some time to chrysanthemums and the stock looks remarkably well considering the amount of building that has demanded the manager's constant attention. Six

of the houses are being planted to roses and three to carnations. The roses are mainly Beauty, Edgely, Liberty, Bride and Maid, and 500 Mrs. Oliver Ames. The carnations are mainly Lawson, Prosperity, Estelle, Hill, Queen Louise, Gov. Wolcott and Roosevelt. Some orchids will also be grown.

The houses are all three-quarter span, long span facing a little west of south. Each has five benches, the three center ones being five feet wide and those against the walls being two feet nine inches. The provision for filling and emptying the houses is especially interesting. There is a double door at each end and the center bench is made in sections so it can be easily removed and set up again. A double team can then be driven right through the house and soil for all the benches thrown into those on each side of the driveway. It seems to be an excellent solution of the problem of how to most economically empty and refill benches.

Two thousand Brunners are getting ready to take the place of the chrysanthemums when the latter are cut out, and a batch of lilies will help in the same direction.

All the houses have front and back as well as overhead ventilation. There is about three feet of glass ventilation in front and a foot board at the back. Field-grown roses are being planted in some houses and burlap shading is used on these houses till the roses take hold of the soil.

A huge water tank is in place and the space underneath is being closed in and neatly ceiled, to be used as a dining room for the men. Barns and other accessories are being constructed and the big gang of carpenters and other workmen are pushing the work at a rapid gait. Crude oil will be used for fuel and steam will be the heating medium.

The stock in the large establishment of E. W. McLellan, located here, is in its usual fine condition. The replanting of the carnation houses is now being finished. Some of the roses were carried over from last season and are starting strong new growth in good shape.

Henri De Coulon started in the cut flower-growing line here last year and has three houses, which are placed in a rather novel way. They form almost an exact triangle. The stock looks well and results are what count, so maybe a triangular arrangement is a good thing.

BOILER CAPACITY.

I want to put in a boiler to heat a greenhouse 26x75, with about 2,800 square feet of glass surface. A manufacturer tells me that a 16x30 boiler will do, and I see in a catalogue that this is just the size for 5,000 cubic feet, only a small part of the cubic contents of my greenhouse. How will it work? The ground is shallow and a deep pit cannot be dug because of water. How will it do to put the boiler on the level of the greenhouse floor and hang the whole pipe business in the air? J. L.

A boiler having a rated capacity for heating 5,000 cubic feet, presumably a rating used for dwelling heating, would not be capable of heating a greenhouse 26x75, containing about 2,800 square feet of glass exposure. For the heating of such a greenhouse a boiler having a dwelling heating capacity of at least 30,000 cubic feet should be used. Regarding the shallowness of the boiler cellar referred to, it will pay to make a water-

tight pit of concrete, sufficiently large to accommodate the boiler and deep enough to bring the top of the boiler level with or below the greenhouse floor, otherwise he will have to do as he says, "hang the whole pipe business in the air." When he has purchased his boiler, if he will state the exact measurements of same and give greatest depth he can make his pit, also some particulars as to bench arrangement of greenhouse, I will be pleased to give him some points in laying out his "pipe business."

HENRY W. GIBBONS.

ASPARAGUS MYRIOCLADUS.

One of the interesting plant novelties certificated at the Milwaukee convention was *Asparagus myriocladus*, in the display of H. A. Dreer. In this connection the following from the pen of a British writer should be of interest:

"Attention has been called to the decorative species of asparagus on several occasions, but it apparently takes a long time to establish a plant firmly in the affection of cultivators, and especially those who grow for market purposes. The now well-known *Asparagus Sprengeri* was growing luxuriantly in the French and Belgian nurseries several years before the British growers would take it up. Even when one or two tried it, it did not catch on quickly, but gradually its beauty and usefulness became more apparent and were at last generally recognized.

"*A. myriocladus*, the species now under notice, will probably go through the same process before it becomes thoroughly well-known. It is a distinct and ornamental species, and, like many others, a native of South Africa. It grows three to five feet high, and even more, perhaps, the stems becoming woody, and of a soft, pale brown hue, with sturdy spines at the base of the branches. These latter are wiry-looking, and from them arise other wiry-looking, but more slender branchlets, from the joints of which spring dense whorls of feathery, slender leaves or cladodes. In a young state they are of a soft, bright green and very attractive, but become of a deeper and more sombre hue with age. Small plants, in 5-inch pots, are decidedly ornamental and should prove useful for the table or conservatory.

"The cultivation of *Asparagus myriocladus* presents no particular difficulty. It flourishes in a greenhouse temperature and likes abundance of air when well established. Sandy loam and leaf soil, with good drainage, seems to suit it well. Propagation is effected by cuttings of the fairly well ripened side shoots with a heel of the old wood, inserted in a bell glass or under a close frame. As numerous shoots spring up from the root-stock, this species apparently can also be increased by careful division just as the season's growth is about to begin."

THE CYPRESS MARKET.

Chicago dealers in cypress lumber report the demand about as good as it has been throughout the season. Lately numerous orders have been received from boat builders, while other consumers, such as tank manufacturers, the manufacturers of interior finish, greenhouse men and others, are calling for lumber in reasonable quantities. Prices remain about stationary. In fact says the American Lumberman, there is no motive for

making any concessions on Louisiana stock, because the mill operators are selling their product as fast as it is fit to ship. One feature of demand commented on by a local dealer is the call for low grade common stock for box manufacture. Consumers are trying all kinds of lumber to make up for the lack of soft pine, and in some instances they are turning to cypress as a substitute. Aside from greenhouse requirements a good deal of cypress is used in car building and an occasional sizable order for such material has been received this season. In all respects the cypress trade is in good condition, demand and distribution being well adjusted to the amount and condition of supplies at the mills.

TROUBLE WITH CYPERUS.

I send a stem of an umbrella plant which is affected by some kind of disease unknown to me. Please tell me what it is and the cure for it.

P. J. K.

The specimen of *Cyperus alternifolius* forwarded with this letter is evidently suffering from a severe attack of insects rather than from disease, there being decided evidence of a plentiful crop of both mealy bugs and red spiders. The tips of the leaflets have probably turned brown from the plant having been dry at some time, though they were also weakened to some extent by the red spider. It would be best to cut back the old growths and allow the plants to come up again from the bottom, giving an abundance of water at all times. This plant is a semi-aquatic, and consequently grows better in mud than in dry soil, the latter condition also favoring the attacks of red spider.

W. H. TAPLIN.

A LOW PRESSURE TRAP.

Two winters ago I only used one pump to force the water back to the steam boilers. Something went wrong and we were about to be frozen up when luckily I went about the work myself and found out what an expert could not and just saved my place from frost. It was only then that I began to realize the risk I was running by having only one steam pump. So I began to study the matter and found that the pump I was using required at least ten pounds of steam to work it, and that often in fall and spring we did not require this amount of steam pressure to heat our place. Why not get a pump to work with as little pressure as I required? So it occurred to my mind that if I reduced the water plungers one half on the new pump, I would increase the power of the pump one half. So this we had done and the result is that we can get all the water pumped into the boilers at less than three pounds pressure and nothing could give greater satisfaction. As my fireman said last winter, "She works like a watch," and the return water very hot at that. The pump is a Northey, but I am satisfied that any pump can be made to do the same by simply reducing the water plungers one half. S. S. BAIN.

CATALOGUES RECEIVED.

Peter Henderson & Co., New York, bulbs, seeds, etc.; Lake Erie Boiler Compound Co., Buffalo, boiler cleaner; Southern Floral Nursery Co., Fruitdale, Ala., *Stokesia cyanea*; E. F. Winterson Co.,

Chicago, cut flowers and florists' supplies; Johnson & Stokes, Philadelphia, bulbs and flower seeds; Harlan P. Kelsey, Boston, hardy plants; Sackett Bros., Lebanon Springs, N. Y., nursery stock; John Lewis Childs, Floral Park, N. Y., bulbs; C. C. Pollworth Co., Milwaukee, cut flowers, plants, supplies; Samuel Dobie & Son, Chester, Eng., bulbs and seeds; Parry's Hardy Plant Farm, London, Eng., bulbs; T. N. Yates & Co., Philadelphia, nursery stock; Phoenix Nursery Co., Bloomington, Ill., nursery stock; A. J. McDowell, City of Mexico, orchids, cacti, etc.

THE "YELLOW" OF ASTERS.

Under this heading a bulletin of the Hatch Experiment Station discusses one of the most peculiarly obscure diseases with which any plant is affected. Caused by no fungus, insect or other organism, not due to any apparent effect of treatment or environment, it is notwithstanding a sharply defined, widespread and destructive disease of this plant. Its general effect is a bright yellow "spindling" growth. Affected parts do not die or wilt, but show simply the peculiar growth which prevents their proper development. This trouble begins to appear after the plants have become well established in the permanent bed. Affected specimens show at the summit, or growing tip, a light, greenish yellow color instead of the normal dark green. Leaves previously formed do not change their color, but from the point where the trouble began the succeeding stem and leaves have the yellow color. There is no dying or any such effect, simply the "spindling" yellow growth. The effect is curious and unmistakable. At the same time similar yellow shoots begin to appear from the axils of the leaves on the main stem. In the worst cases growth is checked at this point and the plant remains through the summer a stunted stem, yellow at the top, with numerous short, unhealthy looking yellow branches along the sides. From this the intensity of the trouble varies to the other extreme, where only in a few of the last flowers of the season is the abnormal color and growth apparent. Microscopic examination of the affected stem and leaves shows nothing abnormal except a lack of green coloring matter. The roots, even of the worst diseased specimens, are abundant, sound and healthy looking. Absolutely nothing has been found in any part of the plant to account for the effect. After the disease once appears it keeps cropping out, here and there, all through the season, the latest plants to show it being the least affected.

In plants badly affected with the "yellows" no flowers develop upon the yellow, sickly looking shoots, or only rudiments of them. In numerous cases, however, blossoms appear upon normal branches, which are peculiarly affected by the disease. Some show it in the whole flower, others only upon one side or in a small portion. The first noticeable peculiarity is in the color, which is of the same greenish yellow as that of affected leaves, without regard to the natural color of the variety. Where the whole flower-head is affected it has a peculiar, unnatural appearance, while often one side is perfectly normal while the other is yellow and diseased. Closer examination of affected florets shows a remarkable and characteristic change. This is the greatly increased size and length of

each floret. A further peculiarity is shown in the sharp turn upward which the affected pistils take, just as the stem of a plant takes when bent over.

It is natural in a plant disease to look for some parasitic organism as the cause. In many respects the appearance and nature of this disease lead one to suspect some such origin, but it may be said at once that the most careful search in all parts of the plant has failed to reveal anything of the sort. That the trouble is purely of a physiological nature, due to some perversion of the normal functions of the plant, can scarcely be doubted. The trouble is equally prevalent upon all varieties of asters. Besides the large amount of evidence on this point obtained incidentally in the course of this work from our own plants and those of many other growers, this matter was especially tested in the summer of 1900. Seed was obtained of all the varieties of any importance obtainable in the country, over 300 separate lots in all, and the plants of each kind set out in one long bed for comparison. The result was that while naturally some variation in the amount of disease occurred, no important difference could be seen in favor of or against any variety. It is interesting to note that the alleged "original" aster obtained of Heinemann, of Erfurt, Germany, was one of the worst affected varieties.

NEW YORK.

The Market.

The big city has maintained its reputation during the last ten days as a purveyor of the most charming fall weather manufactured on this continent. The schools and theaters are in full blast and, best of all, the crop of October weddings gives abundant promise, and already every prominent retailer has made many bookings, one of the leading firms showing eight splendid engagements, and the month is only in its infancy. Then, too, the "400" are rapidly occupying their city palaces, the Newport and Lenox and other great summer centers of society's gaiety are slowly becoming depopulated and the Wall street outlook, as we predicted a week ago, has brightened, reassuring the pessimistic as to the business prospect and creating new hope and ambition where the clouds seemed heavy. A good winter's business is about as good as guaranteed for the florists and there is nothing now to merit alarm, excuse, timidity, distrust or lack of enterprise. The plantmen are decidedly busy at present and as a consequence, every retail store is a scene of tropical beauty. Great banks of palms and ferns already ornament the shelves and windows and a profusion of bloom from the outdoor gardens gives brilliancy and interest to the florid decorations. Every day adds to the size, beauty and variety of the chrysanthemums and the autumn queen will soon be regally enthroned.

Various Notes.

The club meeting of the New York florists Monday night opens the season and should have a big send off, as matters of great interest, looking to added entertainment and numbers, will be discussed, and among other features there is a fair prospect that the new Breitmeyer rose may be on exhibition. Bowlers also are requested to report to Captain Lang, so that there may be no de-

lay in the formation of a representative club for the winter season.

Alfred Zeller has assumed all the responsibilities and obligations of the firm of Chas. Zeller & Son, and the old name of the house will be continued.

Warrendorff's fine store at the Ansonia has a handsome novelty in Pompeian jardinières manufactured on the premises. An interesting lieutenant here is an artist who has spent many years in St. Petersburg and whose work is most unique. The system of maintaining several stores in the same city by the one firm, which begins to prevail here, is not unusual in that far off capital, where every day is a saint's day and where one florist maintains no less than seven establishments.

Clarke's Sons' huge store on the boulevard is none too roomy for the many banks of plants which the closing of the greenhouses makes necessary here. The firm is rejoicing in the completion of the Rapid Transit road in their neighborhood, and, in fact, all of upper Broadway has been handicapped beyond endurance for a year while the "big ditch" has been in process of construction. A score of florists will breathe more easily all along the route from Sixtieth street to Harlem, and the boulevard when restored to its former condition and its wide avenues beautified by shrubbery and trees will again become one of the finest streets of the city. No wonder Broadway from Fourteenth street to Forty-second made a vigorous protest against the contemplated opening of the street and by concerted action prevented the ruinous project.

Herrmann, on East Thirty-fourth street, reports a great season. Their machine-made immortelle bells are going fast at one-third of last year's prices. They have new styles of stars in crape paper and crape and immortelles. Mr. Herrmann is back from his European trip with many new ideas and novelties. Importations are double those of last season. The demand for immortelles is constant, their third shipment being already sold. This firm made a big shipment of goods to Johannesburg, South Africa, a few weeks ago.

Fritz Dressel's place in Weehawken might safely be termed a fern and rubber factory. Enormous quantities of these staples are in evidence. Among the ferns are some fine specimens of Piersoni and of Anna Foster. Four new houses have been added to this plant this summer and a new office built. A coffee tree in fruit is an interesting novelty.

F. R. Pierson Company has purchased from Chas. H. Allen, of Floral Park, the entire stock of his grand carnation, White Lawson.

Another immense greenhouse has been completed at Briarcliff by the Pierson-Sefton Company, similar to the one described a year ago, which Paul M. Pierson says is "the finest greenhouse in the world." Eight thousand American Beauty plants in this one house, in grand condition, will endeavor to pay for it this winter. In Mr. Pierson's ranges of glass are benched altogether over 100,000 Beauties. The growth everywhere is exceptionally fine this season and the output promises to be enormous.

A part of the estate of the late Chas. Knick, including the property where Mr. Knick's retail establishment stands, has been sold for \$85,000. Mr. Knick will devote his entire attention to his wholesale business after May 1.

The first of the monthly fall meetings

of the directors of the Cut Flower Exchange was held in the office of the board in the Coogan building on Saturday, October 3.

Kreshover has an excellent novelty and a great seller in his solid, indestructible Christmas bells for decorations.

Langjahr's new store, of West Twenty-eighth street, opened Monday with Arthur Hunt in charge as managing foreman. The store is handsomely fitted up.

R. S. Williams, of the New York Botanical Garden, has gone to Manila on a plant-collecting expedition, which he expects to continue until the end of 1904.

The Newport season ends about the 20th of the month, the Goetel-ducal wedding probably closing the brilliant series of decorations. "Sic transit gloria mundi," or words to that effect. But everything goes if it will bring a reasonable amount of grist to the florists' mill!

Congratulations are in evidence in behalf of U. G. Scollay, of Brooklyn, of the firm of John A. Scollay, who was married last week to Dr. Marie V. Maxwell, and who is now enjoying his honeymoon in Canada.

C. W. Ward is on a business trip south.

Albert W. Wadley, son of Mr. Wadley, of Wadley & Smythe, and Miss Mary Gorton, of Newport, R. I., will be married October 12. They will reside at 15 Park Place, New Rochelle.

Wm. Cooley, gardener at the Birdseye estate, Orient, L. I., is said to have disappeared. He is reported to have recently inherited a fortune.

Wm. H. Donohoe has just recovered from a three weeks' attack of congestion of the lungs, a condition caused by exposure to a storm when on his 3,000 mile outing trip on the Great Lakes from Buffalo to Duluth.

William Arthur Saltford, of Poughkeepsie, and Miss Belle B. Wetherbee, of North Adams, Mass., were married Wednesday, October 7.

Alex. Guttman, of West Twenty-ninth street, spent several days last week among his growers up the Hudson and in New Jersey.

Charles Millang finds his conservatory very convenient these days for his overflow of dahlias. He is handling some superb carnations.

Among the ferns of all kinds displayed by Bradshaw & Hartman are some fine, bushy Pieroni in 8-inch pans, the product of that expert plantsman, John Scott, of the Keap Street Greenhouses, Brooklyn.

A. Warrendorff, of Broadway, had a unique window Monday evening, in which was a handsome design for the opening night of the opera The Fisher Maiden, also an immense star of red and white dahlias, the emblem of the White Rats, a theatrical organization.

A good deal of autumn foliage is being used by the retailers in their windows, especially branches of the oak, which seems to have displayed the first effects of the fall painting of Dame Nature. The parks begin to put on their "coats of many colors" and the first signs of Indian summer are with us. After such a summer as we have endured there is only justice and fair play in the charming temperature which now envelops the east. The consequences, however, to the cut flower market are disastrous. Roses, 'mums and carnations are running a race for supremacy that will end in a flood of shipments of every one of these at about the

same time and the consequences to values can easily be foretold. The end of the week promises the beginning of the avalanche and it looks as if no power can prevent the break. Even on Monday prices declined from Saturday's quotations and the tendency was decidedly bearish when the market closed. Looks as though some of the dividends on cut flower stock would have to be "passed" in October.

J. AUSTIN SHAW.

PHILADELPHIA.

The Market.

Business in cut flowers is active; more stock is being sold at fair prices. White is in brisk demand, carnations of that color being higher in price than pink or red. Valley on some days has been scarce despite increased supply. Beauties are going well. The call for early chrysanthemums is fitful, but so far it has equaled the supply, prices ruling firm. A few days will find a great many more in the market. Cattleyas are to be had in some quantity, also a few cypripediums and other orchids. Dahlias are fine and very plentiful. Roses of all sorts are more plentiful than a week ago. Tritoma, the red hot poker, is a novelty, useful for decorations. Violets, both single and double, are improving.

Auction Sales.

There have been two auction sales of especial interest in this city lately. The first took place on Tuesday of last week at the Flower Market, when the delinquent stock of the company was sold to satisfy the second assessment of 25 per cent due August 1. Only eight shares were sold in three lots, the prices were 100, 100 and 105, a pretty good showing. Fred Halunan, Edwin Lonsdale and C. E. Meehan were the successful bidders. Most of the buyers had to go home jingling their money in their pockets. The second was a great plant sale held at Forty-ninth and Market streets on Wednesday and Thursday of this week, the stock comprising a great variety of palms, ferns, crotons, ficus, cyclamens, pandanus and many other things in all sizes from 3-inch pots up to 24-inch tubs, offered by William K. Harris and Robert Craig & Son. John P. Cleary, who has a reputation as a clever plant auctioneer, was brought over from New York for the occasion. This is the first auction sale of its kind held in this city since the very successful sale held by the same auctioneer at Pitcher & Manda's some years ago, when that firm went out of business. A number of New York growers have held fall plant auctions on their places to make room for winter. The leading auctioneers in New York have also held frequent sales at their rooms. To these sales both Messrs. Craig and Harris have occasionally contributed by sending over a carload of such fine stock that the Philadelphia palms became noted for their excellence and were eagerly looked for by the buyers. This year Mr. Craig wanted space so badly that he felt the time had come for this city to try a plant auction, so he and Mr. Harris combined and the result is a large sale, lots of stuff and lots of buyers.

The St. Louis World's Fair.

Messrs. Eisele and Clark, of the firm of Henry A. Dreer, returned some time ago from a flying trip to St. Louis.

Their objective point was the World's Fair, where, after carefully going over the grounds and plans, they decided to take a space, 275x220 feet, or about one and a third acres, stretching from the Horticulture to the Agriculture building. Also they will fill two lakes with aquatics, aggregating about one and a half acres. This will give a rough idea of the size of this firm's exhibit at St. Louis next year. Mr. Eisele was much impressed with the immense scale on which everything is being carried out at the coming exposition.

Florists' Club Meeting.

The annual meeting of the Florists' Club was held last Tuesday evening. The election of officers resulted in the unanimous choice of President John Westcott, Vice President David Rust, Secretary Ed. Lonsdale, and Treasurer J. William Colflesh. Edward Reid read an interesting paper, giving ideas of the west. Walter H. Whetstone gave a practical talk on vacuum heating, which he illustrated with air valves, showing how fuel may be economized. Both speakers were listened to with close attention.

Notes.

At a meeting on Monday, October 5, J. D. Eisele was elected vice president of the H. A. Dreer corporation.

The Philadelphia Carnation Co., Dumont & Crawford, of Secane, have their houses filled with a fine lot of stock. Enchantress is looking particularly well. Stem-rot gave them some trouble this season. They are growing mushrooms extensively this season and have built a large shed for that purpose.

The William Graham Co. had a large fall opening decoration on Monday for Blum Bros. Tritomas and hydrangeas were extensively used.

F. R. Hancock, Burlington, N. J., is sending in some pretty flowers of Chrysanthemum Polly Rose to Leo Niessen.

H. Weber & Sons, Oakland, Md., are sending in a variety of fine early chrysanthemums to S. S. Pennock.

George Barnett, of Oxford, Pa., devotes his place almost entirely to carnations. He does Flora Hill and Joost very well.

Mrs. R. C. Smith, Secane, Pa., is cutting some of the finest violets that come into the market.

Edward Reid had a large order on Monday for 1,500 each of white carnations and roses and 1,100 valley.

William J. Baker finds the sale of white carnations exceptionally heavy lately.

Joseph Kift & Son, West Chester, have actively pushed their repairs, and, weather permitting, will have all their glazing done this week. The roses were not much injured, but some of the other plants were badly cut up. Mr. Kift was able to make a very advantageous glass purchase.

S. S. Pennock's place is made gorgeous by the quantities of showy dahlias displayed there each morning.

Miss Alice E. Tiernan, for many years bookkeeper at Hugh Graham's, has resigned her position and was married on October 7.

John McCleary, gardener to William Wrightman, flowered a house of asters, which were all cut on his employer's ninetieth birthday, September 30.

The H. A. Dreer Co. is very busy with the importations of azaleas. Two carloads arrived Saturday; more are coming.

in this week. There are 53,000 of all sizes, an increase over last season.

Bowling.

The following very interesting account and score of the match played on the home alleys last week shows a spirited contest from start to finish. The names, Wholesaler and Retailer, gave way to those of Grower and Dealer.

The first games of the series between the Growers and Dealers, as expected, proved close and exciting. The first game went to the former, with a margin of twenty-seven pins. In the second game the Dealers braced up and won by forty-seven pins, leaving them in the lead by twenty. The third game proved equally exciting until the finish, when the Growers showed their superiority by winning the contest by eighty pins. Second meeting October 9. Following are the scores:

Growers.	1st.	2d.	3d.	T'l.
Yates	194	156	138	488
Anderson	143	148	152	443
Harris	138	145	159	442
Westcott	147	181	190	518
Elmerman	145	169	167	481
Adelberger	165	149	158	472
Totals	932	948	964	2844
Dealers.	1st.	2d.	3d.	T'l.
Kift	153	204	148	505
Gibson	133	108	111	352
Dunham	164	186	175	525
Falck	147	159	173	479
Hanna	132	164	121	417
Moss	176	174	136	486
Totals	905	995	864	2764

PHIL.

CHICAGO.

The Market.

Since a week ago supplies have increased all along the line and qualities have improved, but there is warm weather all around us, north, west and south, and it looks as if we shall have a few warm days to take the crispness out of the roses and fill the market with soft stock. Trade is fair but it is largely out-of-town demand and somewhat erratic.

Beauties are in large supply, but the call for them has improved with the quality, and several times late orders could not be filled. Brides and Maids are showing good length of stem, and with autumn weather would soon supply all that could be asked for quality. Meteors seem to not have developed so rapidly, and are still small and short. Liberty is doing better. Chatenay and Sunrise are plentiful and good. A few good Kaiserin are still seen. There are plenty of carnations, all the way from very poor to remarkably good. Prices are fair on good stock, for the demand is such that the best material goes quickly, and it is frequently impossible to fill late orders for special colors. Violets are better and very good chrysanthemums are seen in liberal quantity, rather earlier than usual this year. Dahlias are more numerous than ever before in this market, and selling pretty well the last week or two. It looks as though the supply of greens this year will break all records.

Various Notes.

Mrs. Fred Hills was taken suddenly ill with appendicitis last Friday night, and on Saturday was operated on at the Passavant hospital. She has passed the critical period, and is thought to be well on the road to recovery.

Brant & Noe are now selling their cut at the Growers' market, Mr. Brant taking personal charge.

Miss Justine Evert, daughter of Matt Evert, was married yesterday to John Boesen, a prosperous young contractor.

The Hilmers' greenhouses at Blue Island have been leased by Fisher & Poppe. Frank Fisher has been with James Hartshorne for some years, and Carl Poppe is an expert plantsman, having been in the west side parks for years.

Kennicott Bros. Co. receive some first-class dahlias from E. S. Thompson, of South Haven, Mich.

John Muno returned Monday from a very successful two weeks' hunting trip to Morgan, Minn. Peter Reinberg and Matt Evert were with him, but returned a few days before. On the way home Mr. Muno passed through St. Charles, Minn., a few hours after the big cyclone.

John Sterrett is now with Weiland & Risch, who are beginning to cut heavily from their new range. They are also getting in a big cut of green goods.

The first regular meeting of the Chicago Florists' Club, for this season, was called for last evening, at Handel Hall. The election of officers will be held October 21.

August Jurgens has finished putting a new roof on his valley house and is now marketing some particularly good stock, easily bringing 5 cents.

They have some very fine plants of Begonia Gloire de Lorraine at Lincoln park, also some good chrysanthemums.

Bert Budlong is putting in his spare time acquiring the management of a steam automobile purchased last week.

Poehlmann Bros. Co. is cutting chrysanthemums in quantity. Monday they had 500 in.

Visitor: Victor Thomas, Augusta, Ky.

INDIANAPOLIS, IND.

The Market.

The trade in this city is anxiously waiting for a killing frost to get rid of outdoor flowers, to make trade pick up again as it should by this time. No very early chrysanthemums are grown in this vicinity, as past experience has proven that there is no sale for them until real fall weather sets in and we cannot depend on that until the middle of October or later. The first ones are ready to cut and these will soon be followed up by the early midseason varieties, etc. The varieties ready now are Mrs. George Kalb, Willowbrook and Monrovia. Lady Fitzwygram has lost favor here and is not grown any more. Carnations are improving rapidly and as soon as cool weather sets in there will be fine blooms in quantity. John Hartje's Moonlight and Baur & Smith's Indianapolis are both in grand shape and both are worth going to see. Roses are good on some places and poor on others. There is much mildew around.

Notes.

We are to have a flower show again this fall and indications point toward a great show. About \$2,000 is to be divided up in premiums and some very liberal ones are offered. Ours is to be about the only large show in this part of the country and there should be plenty of competition to make things lively. The more the merrier, you know. The premium list has been revised and is ready for distribution. Drop I. Bertermann a postal and he will send you one.

Sidney Smith, of the firm of Baur & Smith, has returned from a three weeks' trip to Texas, his former home. He

says Indianapolis is good enough for him, both the carnation and the town. Charley Wheatecraft also took a run into the sunny south, visiting relatives down in Georgia.

The coal situation promises to be as interesting to some of our boys this winter as it was last. Those who pushed the coal company early have their supplies, but those who allowed them to choose their own time for delivery are now beginning to feel uneasy. Some have a few tons, while others have none, and winter almost here. The railroads are already unable to transport the coal fast enough, and what will it be when actual freezing weather sets in? With so much to lose in a single night without coal, surely the florist should make doubly sure of his fuel supply early in the summer by getting it into his place.

A. B.

SAN FRANCISCO.

The Market.

Cloudy weather has been the rule for the past week and indoor flowers have not been plentiful. Carnations are off crop with most of the growers at present, as everyone is in the midst of re-planting. Outside 'mums are not yet offered in quantity, but the prospects are for a very bountiful crop. Roses are really scarce and cannot be had in quantity at any price. A few fair Brides and Maids are seen, also some Testout and Kaiserin, but American Beauty is entirely off crop with all the growers. Business is beginning again and bids fair to continue good for some time to come. We have had a few good wedding decorations during the past week and funerals have been frequent enough to give all the retailers a slice of business. Outside flowers are beginning to get shabby and we cannot count on much of anything else in that line except chrysanthemums. Smilax is to be had anywhere and is of good quality. Maiden-hair fern is getting somewhat scarce. Valley is good and in demand. Japanese lilies are about over. Indoor chrysanthemums bring from \$1.50 to \$2 per dozen for Ivory. Pacific and Louise Sievers are in their glory at present.

Notes.

F. Pelicano says business is much better than at this time last year. His show windows are one of the sights of the city.

J. P. Meyer, of Burlingame, is at present in the midst of his rose planting and he expects to fill about five houses. He has secured a large quantity of fine stock and as his houses are new and up to date he will undoubtedly have a good harvest later on.

G.

NEW HAVEN, CONN.—Alfred Ostermann has started in the retail florist business. The season has been even better than seemed possible. Chrysanthemums will follow our asters and be fine. No frost to do serious damage yet. Roses coming on good, carnations backward but promising, violets fair.

ADAMS, MASS.—T. D. Brown has housed a fine lot of carnations in spite of the very poor season we have had. He is growing more roses and chrysanthemums than in past seasons. Funeral work is about all the business done just at present. Mr. Brown has secured four fine lots upon which he intends to increase his plant in the future.

ST. LOUIS.

The Market.

Trade in the cut flower line was somewhat dull the past week, owing to a spell of warm weather. The outlook for the month of October is very encouraging, as several of the florists have orders booked for large decorations. As one of the West End florists said, just as soon as the cooler weather sets in, then "society" will resume its entertainments and we will all be busy. The Veiled Prophet ball this week will no doubt make a big demand for Beauties and other roses of the fancy grades and cause prices to advance somewhat.

Stock of all kinds has been very plentiful and will no doubt continue so if the warm weather keeps up. In roses some extra fine grades of Brides, Meteors and Carnots are seen. Bridesmaids are still off color and are poor sellers. The best of these are now \$7 per 100, and as low as \$3 for shorts. In Beauties selects are somewhat limited at \$3 per dozen; seconds and shorts are somewhat more plentiful, and the demand fair. Violets are beginning to come in more plentifully, but are pale and imperfect as yet and there is little sale for them. They bring only 25 cents per 100. Carnations have improved in quality and some very fine stock has been coming in of all varieties except Daybreak. A big lot of field-grown flowers is coming in, but sales on them are small compared with indoor stock. Fancies bring \$2, but the bulk is sold at from \$1 to \$1.50 per 100. Field-grown are 50 cents. White has the best demand. Valley is good in quality and demand, but is not overplentiful at present. The best brings \$4 per 100. All outdoor flowers are selling slowly except tuberosa stalks, which have a good demand at \$4. Smilax and other greens are in fairly good demand.

Various Notes.

Paul Berkowitz, better known as "Colonel," of Bayersdorfer's, Philadelphia, spent a day with us last week. The colonel reports trade good and the REVIEW everywhere.

J. E. Jensen, of the Thompson Carnation Co., Joliet, Ill., spent Saturday in St. Louis, calling on the trade.

Charlie Ford, of A. Herrmann, New York, after spending ten days in the city, left Wednesday, reporting an excellent trade in florists' supplies and plants.

Will Heinl, son of Joseph Heinl, of Jacksonville, Ill., was a recent visitor and enjoyed his stay very much.

The forty-third annual fair of the St. Louis Agricultural and Mechanical Association opened October 5, to continue one week. It is offering the usual \$500 in premiums on plants, cut flowers and floral designs. The list of entries by local florists is very satisfactory to the management.

F. M. Ellis is off for a short trip, calling on his many consignors. He is receiving some very fine stock of all kinds daily.

Charlie Kuehn's place is looking at its best, some excellent improvements having been made on it during the summer. His stock is large and of the best.

H. G. Berning is now in his new place at 1402 Pine street, which is much larger than the old store. The stock at this place is large and of good quality.

Park Commissioner Aull reports that the band concerts at the different parks

during the summer months were a big success. Sixty-six concerts were given at nine of the parks, which drew an attendance of 290,000. Next year, during the World's Fair, more of these concerts will be given for the benefit of the many visitors attending the fair.

Vincent Gorley's place, on Fifteenth street and Cass avenue, is neat and attractive. His new show house is filled with choice plants. He has a good location, is popular with his neighbors and reports business very good for this time of the year.

The decorations which are being made at this writing at the Merchants' Exchange for the Veiled Prophet ball will excel all former efforts in this line at the hall. Plants and wild smilax are being used by the carload and the electrical effects are grand. The Riessen Floral Company is doing the job, and E. C. Buechel, who is superintending the work, deserves great credit for the way he handles the big job.

The regular meeting of the Florists' Club, which will be held Thursday afternoon, October 15, will be of great importance to all its members. The meeting will open promptly at 2 o'clock, as the program will be lengthy, and the members are requested to come on time. All committees and their chairmen will be announced at this meeting and it is necessary for all chairmen to be present for instructions. Postals will be sent to all members in time, so no excuse for not attending will be accepted.

Fred Weber, Jr., is off on a pleasure trip to New York, Boston and Philadelphia.

Rudolph J. Mohr is now employed with T. W. Brown, the English landscape gardener at the World's Fair, who has a big force of men at work and has accomplished a great deal in the short time he has been here.

J. C. Craig, Jr., Chicago, is visiting the trade in St. Louis.

Bowling.

Eight of the bowling members rolled three games on Monday night and from the scores below it will be seen that four of its members are still in the 500 class.

Player.	1st.	2d.	3d.	T'l.
Theo. Miller	178	208	166	552
C. A. Kuehn	191	164	171	526
J. J. Beneke	171	178	165	514
Carl Beyer	164	180	155	501
Fred Meinhardt	141	125	154	420
Will Adels	155	137	125	417
Fred Weber	122	117	157	397
C. W. Scott	104	116	126	346

J. J. B.

SOUTH HAVEN, MICH.

M. D. Merrill has his greenhouses again in running order, having discontinued for a year.

E. A. Hartman is filling up his houses for winter work, and stock looks well. His season's work has been satisfactory. He has four 100-foot houses and all full of good stock.

E. S. Thompson has returned from a ten days' trip among the gladiolus and dahlia fields of Long Island and New Jersey. John Lewis Childs has 110 acres in gladiolus, and large crops of other bulbs. W. P. Peacock, Atco, N. J., has about eighty acres of dahlias and in good shape. Mr. Thompson expects to have the cream of the dahlias and "glads" another season.

The Michigan Seed Company has a fine display of dahlias now in bloom.

GARDENING UNDER GLASS

For a reliable, free growing and free setting variety for general use there is no forcing tomato to surpass the old Lorillard.

TOMATO forcing is a considerable industry in Bucks county, Pennsylvania. W. W. Allabaugh, of Silverdale, has just completed a span of three new houses each 15x120 and has his whole place full of tomatoes. Herbert S. Nace, of Sellersville, has added two houses, 16x120, trebling his capacity, all in tomatoes. At Perkasio there are three who make this vegetable a specialty. Of these J. H. Werst has built a large shed to protect his fertilizer and D. H. Werst has built a large brick chimney.

CAULIFLOWER.

This is a very satisfactory crop to grow, as it is less subject to disease or insect enemies than any vegetable generally used for forcing. If this crop is intended to take the place of chrysanthemums when these are cleared from the benches, seed should be got in without delay, as about seven weeks is required to get the plants large enough for planting in the benches. Snowball or Dwarf Erfurt are the best varieties we have tried for forcing. They are both dwarf growers and sure headers. The seeds should be sown rather thinly in flats and transplanted into other flats after the first rough leaf has formed, setting them about two inches apart each way. They should be shaded for a few days after handling, but afterwards kept well exposed to light and freely aired. If raised benches are used for this crop ample provision should be made for drainage and the benches should be deep enough to allow of about six inches of soil. The soil, good sod earth, moderately enriched with well rotted manure, should have been got together a few months before it is intended to be used and should be turned over two or three times so as to get it well broken up and thoroughly mixed. At the last turning a sprinkling of lime should be worked in to help destroy worms and insects.

The distance apart for the plants in the bench may vary, according to the size of head required. In some markets it has of late been quite a fad to get small heads, about the size of a tennis ball being considered best, but other markets demand larger heads.

To procure small heads one foot apart would be about the right distance, but if larger heads are desired fourteen inches had better be allowed. Water should be applied sparingly just after planting and only around the plants until the roots have taken a good hold of the soil, after which a more plentiful supply can be given, but overwatering should be guarded against, as the plants are sure to become inactive should the soil become in any way soured. A night temperature of from 50 to 55 degrees, and a day temperature of 70 degrees is about what ought to be maintained. Air should be freely admitted on all favorable occasions and the atmosphere of the house is better to be kept moderately dry rather than moisture laden, as the latter condition would be apt to cause soft growth and be productive of leaves rather than heads.

From eight to ten weeks is required

NURSERY NEWS.

AMERICAN ASSOCIATION OF NURSERYMEN.

Pres., N. W. Hale, Knoxville, Tenn.; Vice-Pres., F. A. Weber, St. Louis; Sec'y, Geo. C. Senger, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-eighth annual convention will be held at Atlanta, Ga., June, 1904.

MORE fall planting than ever before will be done this season, particularly in ornamentals.

E. R. BEEBE, proprietor of the Pomona Nursery, Ada, Mich., is developing a very satisfactory business.

FRANK H. HARTMAN, the nurseryman, of Danville, N. Y., was married October 1 to Miss Hortense Armstrong, at Allenhurst, N. J.

THE Pittsburg, McKeesport & Greensburg Street Railway Company will build a park of twenty-five acres south of Greensburg, Pa.

SCHWEDLER'S maple is a fine street tree, where local conditions are not too severe, but it is not in large supply, and therefore higher priced than other maples.

THE F. W. Mally Orchard Co., of Quincy, Ill., has been incorporated with \$100,000 capital stock by Herbert L. Lonsdale, Alfred G. Roger and Charles H. Williams.

F. A. WAUGH, professor of horticulture at the Massachusetts Agricultural College, who is widely known for his work with fruits, has just published "Systematic Pomology," a book of 288 pages which should be carefully read by every nurseryman. We can supply it postpaid on receipt of \$1.

ALBANY, N. Y.

Fred A. Danker is one of our successful craftsmen who manages a busy store and is in addition a practical grower. It was a profitable trip the writer made to the range of glass originally put up for the purpose of storing stock, but by making additions both cut flowers and plants are grown under direct supervision. I noted a pretty lot of chrysanthemums, both for cutting and pot sales, chiefly early kinds such as Bergmann, Ivory and Willowbrook. Dahlias are being grown in large numbers. This flower is very popular, both pompon and cactus are favorites. A yellow named Golden Glow is a good seller. Mr. Danker intends forcing a number for winter sales, believing it can be done successfully and profitably. Orchids are in evidence, including some fine plants of *Celogyne cristata alba*, which is not common. Cyclamen are very promising. The soil is a heavy, rich loam and is equally suited for pot or bench purposes. The business has grown rapidly and by the time the youngest member of the firm (a fine boy a week old) becomes of age, Dankerville will be an important suburb of the capital city.

H. G. Eyres is having his store decorated in green and gold. When finished it will, with the addition of mirrors, be one of the handsomest in the state.

John Dingwall is growing extensively for the trade and has a well-grown stock of early chrysanthemums, a specialty with him.

Fred Goldring is cutting fine roses.

Violets are a failure. This was the last place in this vicinity where disease took hold and out went the plants. Local wholesale trade takes all the cut, which is large. Rebuilding will be in order next season.

Sambrook & Son report brisk demand and have an excellent stock for the coming season. M.

ANONYMOUS queries cannot receive attention. Names and addresses are necessary.

CHARLESTON, S. C.—The Carolina Floral Co. has been incorporated with \$2,000 capital stock, by J. Henry Siuhrs and George J. L. Metz.

WYNCOTE, PA.—Joseph Heacock reports this year's the best September business he has ever experienced. He has sold out completely on some of the larger sizes of palms.

DAVENPORT, IA.—Last spring Charles Dannacher repurchased his old greenhouses and on October 1 he opened a retail store at 110 E. Third street, where Mrs. Dannacher is in charge.

PORTSMOUTH, O.—C. H. Knost has a seedling dahlia now in its third year which is quite distinct in color, a rich maroon with a light band close to the outer rows of petals. He says it is a first-class seller.

WEST SUPERIOR, WIS.—Everybody reports trade as fair, all planting and repairing finished and stock looking fine. Eischen Bros. are getting very good violets. The Superior and Duluth Floral Club met September 30 with a very good attendance. Misses O'Sullivan and Eischen, who attended the Milwaukee convention, gave a glowing account of their trip.

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164 La Salle St., CHICAGO.



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Seed Trade News.

AMERICAN SEED TRADE ASSOCIATION.

Pres., S. F. Willard, Wethersfield, Conn.; First Vice-Pres., J. Chas. McCullough, Cincinnati, O.; Sec'y and Treas., C. E. Kendel, Cleveland, O. The 22d annual meeting will be held at St. Louis, Mo., June, 1904.

W. UTTERMAN, of L. L. May & Co. St. Paul, has returned from his western trip.

THE crop of Valentine beans is going to fall below the estimates of a few weeks ago.

M. M. NORTON has been appointed receiver for Arthur E. Burt & Co., wool and seed dealers, Cleveland, O.

THE growers of seed peas are finding that the deliveries are coming in somewhat shorter than they had hoped for.

R. E. SMITH is shipping large quantities of alfalfa seed from Sherman, Tex. The yield is exceptionally large in that section.

THE Whitney-Eckstein Co., Buffalo, has bought a lot 100x150 with railroad frontage and will erect a modern seed warehouse.

THE Leonard Seed Co., Chicago, has built a new onion set warehouse on the Northwestern Railway tracks at Jefferson Park, Ills.

THE smaller onion set growers are likely to arrange to winter their product if the buyers don't get over their low price ideas.

THE Amzi-Godden Company, Birmingham, Ala., has added a bone meal plant and will manufacture fertilizers as well as handle seeds.

THE St. Louis Seed Company has been incorporated, with \$18,000 capital stock, of which Fred S. Plant holds 149 shares, Wm. F. Nichol, thirty shares, and N. Y. Plant, one share.

G. H. DICKS, representing Cooper Taber Co., of London, Eng., is scheduled to reach Chicago on his return from the west on Friday, October 9. His father has returned to London.

THE good weather of the past week has added many bushels to the coming sweet corn crop. Late sorts that need an especially long fall for maturing properly are getting about what they want.

THE latest advices from Denmark on cabbage and cauliflower are to the effect that the 1903 crop of both of these items will be very fine. The seed will be well filled out, plump and will yield fully 100 per cent.

THE bouquet green prospects may be materially affected by the recent heavy rains. The crop promised well, but now the swamps are full of water and the supply of good green may be considerably shortened; at least, ear-picking is not likely to be easy.

REPORTS in general from the growing sections the past week indicate little change from a week ago. The continued favorable weather is helping the vine seeds where the crop still remains in the open fields. It is likely that the

NEW CROP SEED SWEET PEAS.

Blanche Burpee—Pure white.....35c per lb.
 Blanche Ferry—Pink and white.....35c "
 Captain of the Blues—Dark blue.....35c "
 Dark Lavender—Very fine.....50c "
 Countess of Radnor—Pale, fine.....35c "
 Emily Henderson—Fine white.....35c "

Earliest of All—Fine forcer, pink and white.....50c per lb.
 Katherine Tracy—Fine rose.....35c "
 Mont Blanc—Extra fine white, good forcer.....50c "
 Navy Blue.....35c "

The Bride—White.....50c per lb.
 Christmas Foreing—Pink, per ¼-lb., 40c; 1b. \$1.00. White, per ¼-lb., 40c; 1b. \$1.00.

If wanted by mail add at the rate of 10c per lb. for postage.

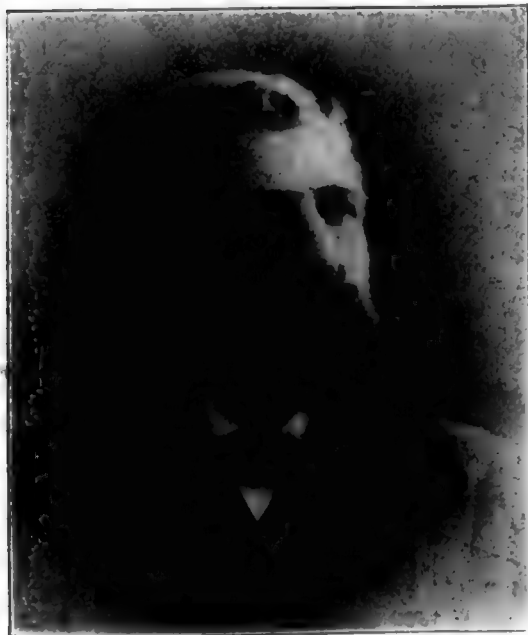
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 Branch Store, 404 East 34th St.,

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cucumber seed will fill out better than it would have done had frosty temperature prevailed. This is a very important factor in the making of a crop. Some of the finest looking specimens of cucumber yield very light seed if the frost nips the vine before all the juices get into the fruits. The question of the cucumber crop is probably the hardest of all to determine, but the weather conditions prevailing at present are certainly making things no worse.

J. LELAND FOGG.

We reproduce herewith a photograph of the late J. Leland Fogg, notice of whose death appeared in our issue of last week. Mr. Fogg was born March 25, 1845, at Rochester, N. Y. His father was James Perry Fogg, a seedsman at that place. At the age of 17 J. Leland started to work for his father at Rochester and got his early training there. The family removed to Chicago



The late J. Leland Fogg.

in 1866 and he, with his father, engaged in the seed business under the name of J. P. Fogg & Son, and later as the Western Seed Co. In 1890 Mr. Fogg moved the business to Cedar Rapids, Iowa, conducting it under the name of Leland Fogg. He discontinued business at that place in 1894 and was given charge of the Illinois interests of the Sioux City Seed Co., with headquarters at Peoria, Ills., where he operated a retail store during the spring months, in addition to looking after its Illinois territory as a traveling salesman. This connection was severed in 1896, at which time he engaged as a traveling salesman for S. F. Leonard, continuing with S. F. Leonard and the Leonard Seed Co. until the time of his death. Mr. Fogg had a cheerful and winning personality. Always hopeful, he possessed the knack of bringing others less opti-

Burpee's Seeds Grow

SEEDS THE ALBERT DICKINSON CO.
 Timothy, Clovers, Flax, Hungarian, Millets. Red Top, Blue Grass, Lawn Grass, Orchard Grass, Pasture Mixtures, Bird Seeds, ENSILAGE CORN, POP CORN, BUCKWHEAT, BEANS, PEAS, ETC. COTTON GRAIN BAGS. CHICAGO ILL.

PANSY.

Superb mixed, unexcelled strain, ½-oz., 75 cts.; oz., \$5.00.

CINERARIA.

Dwarf and tall, finest mixed, each 50 cts. and \$1.00 per packet.

FERNS.

Piersoni, doz., \$3.00; per 100, \$22.00. Boston-jensis, doz., 60 cts.; per 100, \$4 00.
 Splendid stock out of 2½-inch pots.

W. C. BECKERT, - ALLEGHENY, PA.



LONGIFLORUMS, HARRISII, FREESIA, OXALIS, CALLAS.
 Now ready for delivery. Annual Trade List of **BULBS** sent on application
W. W. RAWSON & CO., Seedsmen
 12 and 13 Faneuil Hall Square, BOSTON.

mistic toward his view. This faculty in a measure accounts for his splendid success as a salesman. His special work during the past six years was canvassing the general stores in the lesser cities throughout Illinois, Indiana and Ohio. In this capacity few in the seed line have met as great a measure of success. His methods were straightforward, his work thorough; in all things a gentleman he was an ornament to his craft. In business dealings he was upright and conscientious, fair to his customer, and loyal to his house. In his death the seed trade loses a representative that did it credit.

MT. CLEMENS, MICH.—John Breitmeyer's Sons are building a new house 36x300.

DANVILLE, ILL.—At the Soldiers' Home they are building another greenhouse 20x100. H. D. Caldwell is the gardener in charge.

COLUMBUS, O.—Great numbers of butterflies are making trouble for the florists here, as it is impossible to keep the insects out of the greenhouses and the larvae are already hatching.

MENDOTA, ILL.—H. Schweitzer, whose place was destroyed in the big storm this spring, has built two new greenhouses, 16x100, and is ready to do business again, but on October 2 another hail storm hit him, breaking forty-five panes of glass.

ESTABLISHED 1802.

Thorburn's Bulbs

Our Wholesale Catalogue of Bulbs and Flower Seeds for Florists now ready.

We have a large stock of extra fine strong bulbs of

LILIAM LONGIFLORUM

Send for our prices before ordering elsewhere.

Dutch Hyacinths, Narcissus, etc.

Now Ready.

J. M. THORBURN & CO.

36 Cortlandt St., NEW YORK.

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Buy Your Bulbs In St. Louis

PAPER WHITE GRANDIFLORA.

Selected Bulbs.....\$1.00 per 100; \$9.50 per 1000

.....IN STOCK NOW.....

Freesias, Callas, Harrisii, Bermuda Longiflorum, Candidums, Roman Hyacinths, Dutch Hyacinths, Tulips, etc.

BULB CATALOGUE

NOW READY FOR MAILING.

PLANT SEED CO. ST. LOUIS.

YOU will find... ALL the BEST offers ALL the time in the Review's Classified Advs.

SAMUEL S. PENNOCK,
Beauties, VALLEY, ORCHIDS. On and after October 1st
 we are open from
 7:30 a. m., until 8 p. m. **Wholesale Florist,**
1612 Ludlow St., PHILADELPHIA.

Pittsburg Cut Flower Co. Ltd.
ROSES, VALLEY, WHOLESALE FLORISTS,
CARNATIONS. 504 Liberty Ave., Pittsburg, Pa.
 Mention Review when you write.

CLEVELAND.**The Market.**

The past week has shown a decided improvement in all lines of demand, and the supply has kept even with it, excepting good carnations, which are very hard to get, as very few of our growers are cutting any from indoor plants. Asters are almost done for this season, but will not be missed, as dahlias are coming in freely, and the best this market has ever seen. The demand for them is very strong and at good prices.

Notes.

On October 1 the Citizens' Savings and Trust Company opened its new skyscraper and banking office on Euclid avenue. This caused a big demand for fine flowers and gave the downtown stores a nice lot of work. A person visiting the bank might easily have mistaken it for a flower show.

Henry P. Piggott has opened a retail store at the corner of Pearl street and Clark avenue, where he will do a general retail business. The store is in a good location and Mr. Piggott has shown good taste in his fixtures and the general arrangement. He will continue to run the greenhouses at South Brooklyn as before.

Kate Cranz, of Ira, Ohio, has been shipping some very fine dahlias to the F. R. Williams Co. E.

NEW BEDFORD, MASS.

We have had a couple of quite hard frosts during the past week, but there are still plenty of dahlias, zinnias and other garden flowers. Chrysanthemums and violets have made their appearance, E. Y. Pierce being the first to cut violets and H. A. Jahn to cut 'mums.

The Florists' Club had a special meeting, clam bake and entertainment in Castle Hall, Wednesday evening, September 30, and had a red-hot time. The clams were just right and the "fixins" were "out of sight." C. B. Knickman, of the Ozone Park Nurseries, was present and did justice to everything. E. Y. Pierce came to the bake with two canes to help him along, but when the music started up rheumatism was forgotten and the way he danced an Irish jig put us young fellows out of the business. A. B. Hathaway also surprised us with a few steps. The Pierce brothers sang a duet and W. P. Pierce sang and danced. S. S. Peckham was down for a violin solo, but Sam had a \$500 wedding decoration that day and was so busy he forgot his fiddle. We also had a couple of colored singers that were immense. The club voted in two new members, one active and one honorary. It was voted

HELLER BROS. South Park Floral Co., NEW CASTLE, IND.

All grades and kinds of

...ROSES...

cheap, medium or high-grade

carefully packed and promptly shipped to all points. New customers that commence now will get best service when roses are scarce.

Mention Review when you write.

to hold the next meeting at the store of R. E. Nofftz.

John Driscoll, head gardener at the W. J. Rotch estate, died suddenly Sunday, September 27, from heart disease. He leaves a widow, having been married for the second time about four months ago. Mr. Driscoll was a man well liked among the florists. In the time of the old New Bedford Florists' and Gardeners' Club he was a very active member and has taken a number of prizes for specimen plants exhibited at its shows.

C.

CINCINNATI.**The Market.**

Chrysanthemums have failed to make their appearance in this market, and with the present high temperature it is just as well that they have not. Trade holds up remarkably well. Fall openings have not been very profitable to the florists, as but few flowers have been used. There is a fair lot of funeral work being done right along, which helps to use up the large quantities of short-stemmed roses that are coming in. The supply of really good roses is very limited and not many that bring over 4 cents are seen. Liberty is in good demand, with a very limited supply. Beauties are more plentiful and of very good quality. A few Sunrise now and then go well. There are very few carnations being cut at present by growers about this city. The market is being supplied by out-of-town growers. Carnations as a whole are bringing a higher price this year than last, especially short-stemmed and field-grown stock. Other outdoor stock is virtually out of the market.

Notes.

J. W. Rodgers has just finished planting carnations. He is growing a great many 'mums this year, but reports a discoloration of the leaves, caused by a small worm, which works in the interior

of the leaf, causing it to turn black. It does not seem to affect the growth of the plant, but will undoubtedly affect its value as a cut flower.

L. H. Kyrk is back again after a week's illness.

J. T. Conger designed a neat wedding decoration at Hartwell, Ohio, for the wedding of Miss Huddleson to Mr. Nash, son of the governor of Ohio.

Al. Forder has about finished a greenhouse, 20x100, for Stuart Shillito. Wm. Fluck is the gardener.

Chas. L. Baum, of Knoxville, Tenn., is busy building two modern houses, 24x110.

Wm. Murphy is at home again after a very pleasant vacation at the lakes.

J. D. Eisele and G. D. Clark, Philadelphia; John Evans, of Richmond, Ind.; John Lodder, Hamilton, O., and Herbert Heller, New Castle, Ind., were callers.

C. J. OHMER.

OWENSBORO, KY.

The floral department at the Kentucky State Fair was a great advance over the previous years and was one of the leading features of the display. S. M. Harbison, of Danville, was the judge. Following were the awards:

Largest and best collection of plants, C. G. Nanz, of Owensboro, first; Nanz & Neuner, of Louisville, second and third. Best twelve coleus, Nanz & Neuner, first; C. G. Nanz, second. Best twelve cannas, C. G. Nanz, first; Nanz & Neuner, second. Best twelve geraniums, C. G. Nanz, first; Nanz & Neuner, second and third. Best twelve begonias, Nanz & Neuner, first and second; C. G. Nanz, third. Best twelve roses, Nanz & Neuner, first and second. Best collection of other plants than those mentioned above, Nanz & Neuner, first and second; C. G. Nanz, third. Two specimen palms, C. G. Nanz, first; Nanz & Neuner, second. Two hanging baskets, Nanz & Neuner, first; C. G. Nanz, second. Two ferns, Nanz & Neuner, first; C. G. Nanz, second and third. Largest and best collection of cut flowers, C. G. Nanz, first and third; Nanz & Neuner, second. Best floral design, Nanz & Neuner, first; C. G. Nanz, second; Chautauqua, third. Best handle basket, arrangement and quality considered, Nanz & Neuner, first; C. G. Nanz, second. Best flat basket of cut flowers, Nanz & Neuner, first; C. G. Nanz, second. Best arranged and novel design, C. G. Nanz, first; Nanz & Neuner, second and third.

LEO NIESSEN. BEAUTIES, LIBERTIES, VALLEY

Open from 7 a. m. to 8 p. m.

Wholesale Florist, 1217 ARCH ST., PHILADELPHIA.

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THERE IS MONEY IN MUSHROOMS!



A FRESH IMPORTATION JUST RECEIVED.

OUR Celebrated ENGLISH MILLTRACK (made by the best maker in England especially for our trade) has earned an enviable reputation among critical growers for its uniform good quality and can be thoroughly relied upon to produce a good crop of the best Mushrooms. Per brick (about 1 1/2 lbs.) 15c; postpaid, 25c; 10 lbs., 80c; 25 lbs., \$1.50; 100 lbs., \$6.00; 1000 lbs., \$56.00.

A Treatise—"How to Grow Mushrooms," sent with every order.

FRENCH AND DUTCH BULBS.

White Roman Hyacinths. 12 to 15 centimeters. per 100. \$2.75; per 1000, \$25.00
Paper White Grandif. Narcissus, 13 to 15 " " " 10) " " 9.00

FREESIA REFRACTA ALBA, fine bulbs. per 100. 60c; per 1000, \$6.00. GIANT SHASTA DAISY (New Crop). Seed saved from the largest flowers. per 100 seeds, 20c; per 1000 seeds, \$1.50
Send for our Wholesale Bulb List.

JOHNSON & STOKES, 217 and 219 Market St., PHILADELPHIA, PA.
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Maplewood Cut Flower and Plant Co. GEO. M. KELLOGG, P. res.

Growers of CUT FLOWERS at Wholesale.

Regular shipping orders given special attention.
We have the largest plant west of Chicago.

Store: 906 Grand Ave., KANSAS CITY, MO.

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COTTAGE GARDENS

Wholesale Florists,

QUEENS, - L. I., N. Y.

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THE E. G. HILL CO.

Wholesale Florists,

RICHMOND, INDIANA.

Mention The Review when you write.

The F. R. Williams Co.

Wholesale Florists...

CLEVELAND, - OHIO.

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Wholesale Cut Flower Prices.

Philadelphia, Oct. 7.

	Per doz.
Beauties, Specials.....	\$ 3.00 to \$4.00
No. 1.....	1.50 to 2.50
No. 2.....	.75 to 1.00
Queen of Edgely, No. 1.....	1.50 to 2.50
2.....	.75 to 1.00
Per 100	
Bride and Bridesmaids, No. 1.....	4.00 to 5.00
No. 2.....	2.00 to 3.00
Ideal.....	3.00 to 6.00
Golden Gate, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Kaiserin, Firsts.....	5.00 to 8.00
Seconds.....	2.00 to 4.00
Liberty, Firsts.....	8.00 to 10.00
Seconds.....	3.00 to 6.00
Meteor, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Perle.....	2.00 to 4.00
Sunrise.....	2.00 to 4.00
Orchids—"Attleyas".....	40.00
Cyperpediums.....	20.00
Carnations, Commons.....	1.50 to 2.00
Selects.....	2.00 to 2.50
Fancy.....	3.00 to 4.00
Adiantum Cuneatum.....	1.00
Asparagus Plumosus, Strings.....	35.00 to 50.00
Dahlias, Common.....	1.40 to 2.00
Fancy.....	3.00 to 5.00
Daisies, Yellow.....	1.00 to 1.50
Tritoma.....	2.50 to 3.00
Lily of the Valley.....	2.00 to 4.00
Violets, Single.....	.40 to .50
Double.....	.75 to 1.00

I HAVE sold out of carnation plants. The REVIEW is a wonder-worker. It reaches everybody and it induces them to buy. It has brought me orders from the Atlantic seaboard and all through the western states, and everyone says, "Saw it in the REVIEW," as if that in itself were a guarantee.—ALFRED R. EVERETT, Chicago.

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WHOLESALE FLORIST.

Beauties, Kaiserins and Valley.

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Store closes at 8 p. m.
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11 South 16th Street,

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WILLIAM J. BAKER,
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CARNATIONS! VALLEY!
YELLOW DAISIES.

1432 South Penn Square, Philadelphia.

C. A. DUNN & CO.

Wholesale Florists,

1516 Sansom St., PHILADELPHIA.

VIOLETS, CARNATIONS, ROSES.

Bell—Phones—Keystone.

Rice Brothers
128 W. 6th Street,
MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

WILD SMILAX—Flowers billed at market prices.

Shippers of Choice Cut Flowers and Greens
of all kinds. Try us.

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HUNKEL CO.

WHOLESALE FLORISTS.

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Northern ...Ohio CUT FLOWERS ARE THE BEST.

THE J. M. GASSER CO., WHOLESALE GROWERS, Cleveland.

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Pandanus Veitchii

Strong, clean plants, cool-grown, 6-in. pots, \$1.00 each; \$12.00 doz. 7-in., \$1.50 each; \$18.00 doz. 8-in., \$2.50 each. Also 9 and 10-inch.

JOHN WELSH YOUNG, GERMANTOWN, Upsal Station, Penna R. R. Philadelphia.

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Charles Millang, New York

We are headquarters for every kind of Cut Flowers in their season.

"THE LILY KING." Reasonable Prices. Square Dealing. Out-of-town florists promptly attended to. Telephone for what you want. Tel. 2230 Madison Square.

Moore, Hentz & Nash Wholesale Florists.

55-57 W. 28th St. NEW YORK CITY. SHIPPING ON COMMISSION. Tel. 2034 and 2239 Madison Square.

Established 1891.
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BRADSHAW & HARTMAN,
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THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND.
ORCHIDS A SPECIALTY.
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WHOLESALE COMMISSION,

The largest commission house in America for **57 W. 28th Street, NEW YORK.**
Roses, Violets and all other varieties of Cut Flowers.

My large shipping trade enables me to command the highest prices. which ring, connects you with all our **TELEPHONES.**
Special arrangements this season for the extensive handling of American Beauties.

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THE PIONEER HOUSE
Open every day at 6 a. m.
J. K. ALLEN
WHOLESALE FLORIST,
108 W. 28th Street, New York City
We ship all over the United States. Consignments realize with us the best market prices. Tel. 167 Madison Sq.
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WALTER F. SHERIDAN,
Wholesale Commission Dealer in
CUT FLOWERS
39 West 28th St., NEW YORK.
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Receiving Extra Quality American Beauties and all other varieties of Roses.
Telephone 902 Madison Square. Carnations.
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OPEN ALL DAY!
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The finest stock in the market always on hand.
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VIOLETS and SWAINSONA our specialties.
Shipping orders receive prompt attention.

Always mention the Florists' Review when writing advertisers.

Wholesale Cut Flower Prices.

New York, Oct. 7.

	Per 100
Beauties, Specials	\$10.00 to \$20.00
Extra	8.00 to 10.00
No. 1	4.00 to 6.00
Shorts	1.00 to 3.00
Brides and Maids, Specials	4.00 to 6.00
Extra	3.00 to 4.00
No. 1	2.00 to 3.00
No. 2 .....	.50 to 1.00
Golden Gate	2.00 to 4.00
Liberty	2.00 to 3.00
Meteor	1.00 to 3.00
Oatleaves	25.00
Carnations, Common .....	.75 to 1.00
Selects	1.00 to 2.00
Fancies	2.00 to 3.00
Novelties	3.00 to 4.00
Chrysanthemums, 50c to \$3.00 doz.	
Violets, Ordinary .....	.25 to .50
Adiantum cuneatum .....	.25 to .50
Croweatum .....	.75 to 1.00
Asparagus plumosus, Strings	35.00 to 50.00
Asters, Selects	1.00 to 2.00
Dahlias .....	.50 to 1.00
Gladiolus .....	.50 to .75
Lilium Harrisii	5.00 to 8.00
Lily of the Valley	2.00 to 3.00
Mignonette, Ordinary .....	.50 to 1.00
Smilax	5.00 to 8.00
Tuberose .....	.50 to 1.00

Quotations are again on the down-grade, with good prospects for a slump when the heavy cuts of both roses, carnations and chrysanthemums arrive together. But prices can't go much lower, for, as they say in Wall street, they are dragging on the bottom.

GEO. SALT FORD,
Author of "HOW TO MAKE MONEY GROWING VIOLETS."
WHOLESALE FLORIST,
46 West 29th Street, NEW YORK CITY.
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VIOLETS our specialty.
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GALAX. Bronze or Green. 75c per 1000 in 2000 lots or more.
Leucothoe Sprays, Green, 90c per 100.
Southern Smilax, fresh stock, per 50-lb. case, \$6.00; per 25-lb. case, \$3.50.
Green Sheet Moss, choice stock, \$2.50 per barrel sack.
Sphagnum Moss, \$1.75 per large bale.
Florists' Supplies of every description.
L. J. Kreshover, 110-112 West 27th St. New York.
TEL. 697 MADISON SQUARE.

JOHN YOUNG

51 W. 28th St., NEW YORK.

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ORCHIDS CATTLEYA LABIATA and all other choice Orchids in season.

Everything in Cut Flowers—the best in the market
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Wholesale Commission Florist,
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The Philadelphia Wholesale Flower Market.

The FINEST BEAUTIES in Philadelphia.

TRITOMA--Red Hot Poker--Very effective in Fall Decorations. We can furnish in quantity. \$3.00 per hundred; \$25.00 per thousand.

OPEN FROM 7:00 A. M. TO 6:00 P. M. **1228 CHERRY STREET, PHILADELPHIA.**
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ALEX. J. GUTTMAN, Wholesale Florist.

Special conveniences for both Wholesale and Retailers this season. None better in the country.
52 West 29th Street, New York.
Telephone 1738 Madison.
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FRANK MILLANG, CUT FLOWER EXCHANGE, Coogan Building, 55-57 W. 26th St., NEW YORK CITY.

Phone 299 Madison Sq.
OPEN FROM 6:00 A. M. TO 5:00 P. M.
Everything for the Florist in Seasonable Flowers all the year round.
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ESTABLISHED 1872. John J. Perkins

WHOLESALE and COMMISSION FLORIST,
115 West 30th St., NEW YORK.
Telephone No. 956 Madison Sq.
WANTED a few more reliable growers of Carnations and Violets. Only first-class stock handled.
BRANCH STORE, 48 West 30th St., New York. R. W. PERKINS, Manager.
Consignments Solicited. Quick returns to Shippers. Highest Market Prices Guaranteed.
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53 W. 26th St. (Basement)
Tel. 1787 Madison Sq.
Stands at Cut Flower Exchange Coogan Bldg., W. 26th St., and 34th Street Cut Flower Market.

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GALAX LEAVES, FERNS and LEUCOTHOE SPRAYS.
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FOR SOUTHERN WILD SMILAX

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Write, Wire or Phone the Introducers.
Caldwell The Woodsman Co., Evergreen, Ala. or their agents:—L. J. Kreshover, New York; J. B. Deamud, Chicago; H. Bayersdorfer & Co., Philadelphia; W. F. Kasting, Buffalo; J. M. McCullough's Sons, Cincinnati, Ohio; H. G. Berning, St. Louis, Mo.
Mention Review when you write.

Wholesale Cut Flower Prices.

Boston, Oct. 7.

Beauties, Specials.....	Per 100.	\$25.00
Extra.....	\$15.00 to 20.00	
No. 1.....	8.00 to 10.00	
Shorts.....	2.00 to 6.00	
Brides and Bridesmaids, Specials..	8.00	
Extra.....	4.00 to 6.00	
No. 2.....	1.00 to 2.00	
Carnot.....	2.00 to 8.00	
Kaiserin.....	2.00 to 12.00	
Liberty.....	1.00 to 8.00	
Meteor.....	2.00 to 8.00	
Mrs. Morgan.....	2.00 to 6.00	
Carnations, Common.....	2.00	
Selects.....	3.00	
Fancies.....	4.00 to 5.00	
Adiantum Cuneatum.....	.50 to 1.00	
Asparagus plumosus, Strings.....	50.00	
Sprays.....	1.00 to 2.00	
Sprengerl, Sprays.....	2.00 to 4.00	
Asters.....	.25 to 1.00	
Chrysanthemums.....	6.00 to 16.00	
Gladiolus.....	6.00	
Lilium Longiflorum.....	12.00	
Lily of the Valley.....	2.00 to 4.00	
Mignonette.....	1.00	
Smilax.....	12.00	
Violets, Ordinary.....	.50	
Galax.....	.15	
Common Ferns.....	.10	

Baltimore, Oct. 7.

Am. Beauty.....	Per 100	\$4.00 to \$10.00
Bride and Bridesmaid, No. 1.....	4.00 to 5.00	
No. 2.....	3.00 to 4.00	
Golden Gate.....	3.00 to 5.00	
Liberty.....	4.00 to 6.00	
Meteor.....	3.00 to 6.00	
Perle.....	3.00 to 4.00	
Oochet.....	2.00 to 3.00	
Carnations, Commons.....	.75 to 1.00	
Selects.....	1.00 to 1.25	
Adiantum Cuneatum.....	1.00	
Asparagus plumosus, Sprays.....	1.50 to 2.00	
Sprengerl, Sprays.....	1.50 to 2.00	

Trade is steadily improving and good stock is in active demand. The weather is warm and dry, the temperature at night as high as in the day.

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HARRIS E. HAYDEN, Pres. WM. A. MOORE, Vice-Pres. JNO. E. WALKER, Sec. and Treas.
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Wholesale Cut Flower Prices.

Chicago, Oct. 7.

	Per doz.
Beauties, 30-inch stems.....	\$2.50
" 24 ".....	2.00
" 20 ".....	1.50
" 15 ".....	1.25
" 12 ".....	1.00
" Shorts.....	.75
Per 100	
Bridesmaids, Specials.....	\$4.00 to \$6.00
Firsts.....	2.00 to 3.00
Brides, Specials.....	4.00 to 6.00
Firsts.....	2.00 to 3.00
Kaiserin, Specials.....	4.00 to 8.00
Liberty, Specials.....	10.00
Firsts.....	6.00 to 8.00
Seconds.....	3.00 to 5.00
Golden Gate, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Meteor, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Mme. Chatenay, Firsts.....	6.00 to 8.00
Seconds.....	3.00 to 5.00
Carnot, Firsts.....	6.00 to 8.00
Seconds.....	3.00 to 4.00
Ivory, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Sunrise, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Perles, Firsts.....	4.00
Seconds.....	2.00 to 3.00
Carnations, Fancy.....	1.50 to 3.00
Commons.....	1.00
Violets.....	.75 to 1.00
Chrysanthemums, \$1.00 to \$4.00 doz.	
Dahlias.....	1.00 to 3.00
Auratum Lilies.....	\$1.00 to \$1.50 doz
Valley.....	4.00 to 5.00
Tuberose.....	4.00 to 5.00
Adiantum cuneatum.....	.75 to 1.00
Asparagus plumosus, Strings.....	25.00 to 50.00
Sprays.....	2.00 to 3.00
Asparagus Sprengeri, Sprays.....	3.00 to 6.00
Smilax.....	\$1.25 to \$1.50 per doz.
Common ferns, per 1000.....	\$1.50
Galax Leaves, \$1.00 to \$1.50 per 1000	

ST. PAUL.

The Market.

Trade is on the up grade. Bright, sunny weather has succeeded the dull, rainy days, and stock has improved in quality and increased in quantity. A week ago there was a surfeit of good stock, but most roses are off crop and the supply is normal again. Stock is fine, roses especially so. Carnations are becoming more plentiful and improving in size of bloom and length of stem. In chrysanthemums we have had Fitzwygram, while Bergman is just coming in and Yellow Queen will be ready in a week. Violets have made their appearance, but are rather small.

Notes.

French bulbs are just arriving and are being quickly planted by the growers.

E. F. Lemke was taken very ill suddenly and removed to the hospital and operated on. He is recovering rapidly and has passed the danger point.

X. Y. Z.

YPSILANTI, MICH.—Frank Worden has broken ground for a new greenhouse.

FORT SMITH, ARK.—A. A. Pantet is manager of the flower show to be given here November 5 to 7 for the benefit of Belle Point Hospital. The prize list is liberal.

Lily of the Valley

H. N. BRUNS,

1409 W. Madison St., CHICAGO.

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Full line of FLORISTS' SUPPLIES and SUNDRIES.

COMMON FERNS, \$1.00 per 1000.
GALAX, Bronze or Green, 1.25 "

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Wholesale Cut Flower Prices.

Cincinnati, Oct. 7.

	Per 100	Per 1000
Beauties, Extra.....	\$25.00	
" No. 1.....	\$12.50 to 20.00	
" Shorts.....	4.00 to 10.00	
Brides and Maids, Extra.....	6.00	
" No. 1.....	4.00 to 5.00	
" No. 2.....	2.00 to 3.00	
Cusin.....	2.00 to 4.00	
Golden Gates.....	2.00 to 6.00	
Kaiserin.....	2.00 to 6.00	
Liberty.....	2.00 to 6.00	
Meteor.....	2.00 to 6.00	
Perle.....	2.00 to 4.00	
Sunrise.....	2.00 to 4.00	
Carnations, Commons.....	1.00	
" Selects.....	1.50 to 2.00	
" Fancies.....	2.00 to 3.00	
Adiantum Cuneatum.....	1.00 to 1.50	
Asparagus plumosus, strings.....	40.00 to 50.00	
" sprays.....	4.00 to 5.00	
" Sprengerl.....	3.00 to 4.00	
Asters.....	.50 to 1.50	
Dahlias.....	2.00 to 4.00	
Gladiolus.....	2.00 to 3.00	
Lily of the Valley.....	3.00 to 4.00	
Smilax.....	12.50 to 15.00	
Violets, ordinary.....	.35 to .50	
Galax.....	.15	
Common Ferns.....	.15	

Buffalo, Oct. 7.

	Per 100	Per 1000
Beauties, Specials.....	\$20.00 to \$25.00	
" Extra.....	10.00 to 15.00	
" No. 1.....	6.00 to 8.00	
" Shorts.....	2.00 to 4.00	
Brides and Maids, Extra.....	6.00 to 8.00	
" No. 1.....	4.00 to 5.00	
" No. 2.....	2.00 to 3.00	
Carnot.....	2.00 to 3.00	
Cusin.....	2.00 to 4.00	
Golden Gate.....	2.00 to 6.00	
Kaiserin.....	2.00 to 8.00	
Liberty.....	2.00 to 10.00	
Meteor.....	2.00 to 6.00	
Mrs. Morgan.....	2.00 to 5.00	
Perle.....	3.00 to 5.00	
Sunrise.....	2.00 to 4.00	
Carnations, Common.....	.50 to .75	
" Selects.....	1.00 to 2.00	
" Fancies.....	2.50 to 3.00	
Adiantum Cuneatum.....	.50 to 1.00	
Asparagus plumosus, Strings.....	40.00 to 60.00	
" Sprays.....	1.00 to 3.00	
" Sprengerl.....	1.00 to 3.00	
Asters.....	.75 to 1.50	
Chrysanthemums, Ordinary.....	8.00 to 12.50	
Gladiolus.....	1.00 to 2.50	
Lilium Speciosum.....	2.00 to 4.00	
" Longiflorum.....	15.00	
Lily of the Valley.....	2.00 to 5.00	
Smilax.....	12.50 to 15.00	
Violets, ordinary.....	.30 to .60	
Galax.....	.10 to .15	
Leucothoe.....	.50 to .75	
Common Ferns.....	.10 to .15	

You may omit our adv.; we sold all our plants in a very short time; your paper is O. K.—C. B. FLICK, Fort Wayne, Ind.

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Dahlia Specialist. ATCO, N. J.

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Strong, 2 1/4 inch..... \$2.00 per 100; 3 1/2 for \$3.00
Primroses—Chinese..... 2 1/4 inch, \$2.00 per 100
Obconica..... 2 1/4..... 2.10
Obconica in flats ready to pot, \$1.50 a 100, by mail
C. WHITTON, City Street, Utica, N. Y.
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Wholesale Cut Flower Prices.

St. Louis, Oct. 7.

	Per dozen	Per 100
Beauties, Specials.....	\$3.00 to \$4.00	
" Extra.....	1.50 to 2.00	
" Shorts.....	.60 to .75	
Brides and Maids, Specials.....	6.00 to 7.00	
" Extra.....	4.00 to 5.00	
" No. 1.....	2.00 to 3.00	
" No. 2.....	.75 to 1.00	
Carnot.....	6.00 to 7.00	
Golden Gate.....	5.00 to 6.00	
Kaiserin.....	4.00 to 5.00	
Liberty.....	4.00 to 5.00	
Meteor.....	5.00 to 6.00	
Perle.....	3.00 to 4.00	
Sunrise.....	3.00 to 4.00	
Carnations, Commons.....	.50 to 1.00	
" Selects.....	1.50 to 2.00	
Adiantum Cuneatum.....	1.00 to 1.25	
Adiantum Farleyense.....	1.00 to 1.25	
Asparagus plumosus, Strings.....	35.00 to 50.00	
" Sprays.....	1.00 to 1.50	
" Sprengerl.....	1.00 to 1.50	
Asters.....	.75 to 1.50	
Chrysanthemums, Ordinary.....	60c to \$1.50 per doz.	
Gladiolus.....	2.00 to 3.00	
Lily of the Valley.....	3.00 to 4.00	
Smilax.....	12.50 to 15.00	
Tulips.....	3.00 to 4.00	
Violets, ordinary.....	.25 to .35	
Galax.....	.15	
Common Ferns.....	.15	

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Canal Street.**NEW ORLEANS, LA.****S. B. Stewart,**119
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A PRACTICAL work on Carnation growing; complete in every particular. Including the full calendar of operations for the year, with chapters on Soils, Fertilizers, Insects, Diseases, Heating. Each and every phase of commercial Carnation culture treated clearly and comprehensively. The book contains 290 large pages, finely printed. It should be in the hands of every grower.

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2500 extra fine 3-inch.....\$35.00 per 1000
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Quality First-Class.

2200 3½-inch Maids, \$35.00 per 1000.
3500 2½-inch Mums, 20.00 per 1000, including
Chadwick, Golden Wedding, Appleton, Wil-
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Liger, Richardson, 2½-inch, strong, \$15.00 per 100.

POEHLMANN BROS. CO., Morton Grove, Ill.**CHAS. D. BALL,**GROWER
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1,000 PALMS
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5-inch pots, 20 to 24 inches high.

QUALITY EXTRA.

Per doz., \$8.00; per 100, \$64.00.

The best value in the country. We
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which can be returned and we pay
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Complete line of French and Dutch Bulbs.

Catalogue Free.

E. F. Winterson Co.
MODERN SUPPLY HOUSE,
45, 47, 49 Wabash Ave.
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Asparagus Plumosus Nanus, strong, 2½-inch,
\$3.00 per 100; \$25.00 per 1000.

Asparagus Sprengeri, \$2.00 a 100;
15.00 a 1000.
CASH PLEASE.

G. M. NAUMANN,

Doan Street,

CLEVELAND, OHIO.

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PITTSBURG.**The Market.**

Business was good the past week, with prices a little better but with a little more surplus stock. The demand for good stock exceeded the supply, but the medium grades and inferior flowers sold slowly. We have had no frost to hurt gladioli, dahlias and asters, of which quantities are still to be had. Beauties are fine and lots of them. Chrysanthemums are more plentiful. Montmort, Bermann and Fitzwygram are the varieties. The supply of carnations is steadily increasing. In greens, asparagus, Sprengeri and smilax are plentiful.

Various Notes.

The demand for decorative stock, such as palms, ferns and rubbers, is fair.

A new flower shop will be opened in the down-town district next month, by two enterprising young florists.

Tom Ulam was busy with funeral work last week.

John Foss had a large decoration at Crafton on Monday.

The Pittsburgh Cut Flower Company is receiving consignments of chrysanthemums, of which the quality is quite good.

P. Peterman, of Evergreen, is cutting some very fine double pink dahlias.

The store and home of J. J. Joliff, Monessen, Pa., were totally destroyed by fire last week. The loss aggregates \$600 and no insurance.

Ernest Fisher, of Castle Shannon, certainly knows how to grow carnations. He is cutting quantities of blooms, of which the size of flower and length of stem is as good as ones grown in mid-season.

Patrick Maier is sending in some good Kaiserin roses.

A large number of friends and florists were present at a stag card party, which John Bader gave at his home last Tuesday evening. A very enjoyable evening was spent.

J. J. Fuchs is passing around the perfectos on account of a newcomer, a fine baby boy.

Mr. and Mrs. J. W. Ludwig are visiting friends in Rochester, N. Y.

Recent visitors were S. S. Skidelsky, of Philadelphia, and W. S. Steele, Uniontown, Pa.
Hoo-Hoo.

ORANGE, N. J.

The regular monthly meeting and exhibition of the New Jersey Floricultural Society was held at the rooms in Orange, where A. Herrington, of Madison, gave an informal talk upon hardy perennials. A vase of Grand Duke Alexis dahlia, grown by Peter Duff, Mr. Herrington declared alone repaid a trip from Madison, while the whole show denoted skill of a high order. Among the evening's exhibits were a cyripedium and collection of dahlias by D. Kindsgrab, Begonia Gloire de Lorraine by Malcolm MacRorie, roses and fruit by George Smith, vegetables by Peter Duff and Chas. Ashmead, a large vase of named dahlias by Wm. Bennett and Lawson carnations by John Hayes.

After a pressing invitation from Mr. Herrington to attend the finest chrysanthemum show yet held, in New York next month, the society decided to make the November meeting a special chrysanthemum night.

Among the visitors was W. Duckham, of Madison.
J. B. DAVIS.

CLASSIFIED PLANT ADVERTISEMENTS.

Rates for advertisements under this head, 10 cents a line net, per insertion. New ads. and changes must reach us by Wednesday morning at latest to secure proper classification in issue of Thursday.

ABUTILONS.

Abutilons in variety, 40c doz., \$2.00 100.
R. Vincent, Jr. & Son, White Marsh, Md.

ACALYPHAS.

Acalypha Macafeeana, \$2.50 100.
R. Vincent, Jr. & Son, White Marsh, Md.

ACHYRANTHES.

Achyranthes Lindenl, 50c 100.
James A. Keeney, Monongahela City, Pa.

AGERATUMS.

Ageratums Stella Gurney and White, 40c doz., \$2.00 100.
R. Vincent, Jr. & Son, White Marsh, Md.

ALYSSUM.

Alyssum, 3-in., strong plants, \$3.50 100. Cash.
Converse Greenhouses, Webster, Mass.
Alyssum, double, 2½-in. pots, \$3.00 100.
N. Smith & Son, Adrian, Mich.

AMPELOPSIS.

Ampelopsis Veitchii, open ground, strictly first-class, 3 years old, twice transplanted, \$7.00 per 100. Sample of ten by mail, prepaid, \$1.00. Cash with order.
E. Ferrand & Son, 379 Vinewood Ave., Detroit, Mich.

ANTIRRHINUMS.

1500 antirrhinums (snap dragon), large plants, mixed colors, per 100, \$5.00.
M. L. Tirrell, Randolph, Mass.

ARAUCARIAS.

ARAUCARIA EXCELSA.			
In. pots.	In. high.	Tiers.	Each.
4	10 to 12	3	\$0.50
5	12 to 14	3 to 4	.60
6	14 to 16	3 to 4	.75
6	16 to 18	4 to 5	1.00
6	18 to 20	4 to 5	1.25

HENRY A. DREER, Philadelphia, Pa.

ARAUCARIAS OUR SPECIALTY.			
In. pots.	In. high.	Tiers.	Each.
5	10 to 12	3 to 4	\$0.50
5½	13 to 16	3 to 4	.60
5½	13 to 16	3 to 4 ex. broad	.75
6	16 to 20	4 to 5 80c, 90c, 1.00	

Godfrey Aschmann, 1012 Ontario St., Phila.

Araucaria excelsa, 2-in. pots, 2 tiers, \$16.00 100.
A. imbricata, 2½-in. pots, strong plants, \$10.00 100.
F. LUDEMANN, 3041 Baker St., San Francisco, Cal.

Araucaria Bidwillii, 2½-in. pots, thrifty, \$18.00 per 100. Araucaria imbricata, 2½-in. pots, \$10.00 per 100.
Exotic Nursery, Santa Barbara, Cal.

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In. pots.	Per doz.	Per 100.	Per 1000.
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5	3.00	20.00

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STUMPP & WALTER CO., 50 Barclay St., N. Y.

WINTERING FLOWERING sweet pea seed, for forcing only—Zvolanek's Christmas, pink, and Florence Denzer, pure white. Stock seed of these varieties is carefully selected in my greenhouses from stems over 14 inches long. Seed sown first of Sept. will bloom for Christmas. Sown in Dec., after the late mums, will bloom in Feb. New crop seed, 75c pkt., \$2.50 lb. Only small quantity left. Order quick.
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Sweet pea, all florists' sorts, any variety, oz., 5c; ¼ lb., 10c; 1 lb., 25c. Cyclamen gigan., white, rose, crimson, white with red eye, 100 seeds, 70c, 1000 seeds \$6.00. Mixed, 100, 60c, 1000, \$5.00. Asparagus Sprenger, 100, 20c 1000, \$1.00. Shasta daisy, best paying cut flower year around, 100, 20c; 1000, \$1.50.
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Mignonette seed. Selected seed from Allen's Defiance stock, \$1.00 per packet. Selected seed from May's stock, 25c per pkt.; \$3.00 per ounce. Perfectly clean seed, having been picked over by hand. Edw. J. Taylor, Southport, Conn.

JOHNSON & STOKES' SEEDS
Are the best on the market. For varieties, prices, etc., see issue Sept. 24th.
JOHNSON & STOKES, 217-219 Market St Philadelphia, Pa.

Wholesale price list of seeds for florists at market gardeners.
W. Atlee Burpee & Co., Philadelphia, Pa.

Pansy, superb mixed, unexcelled strain, ¼ oz 75c; oz., \$5.00. Cineraria, dwf. and tall, fine-mixed, ea., 50c and \$1.00 per pkt.
W. C. Beckert, Allegheny, Pa.

New crop Shasta daisy seeds, 20c per 100 \$1.25 per 1000; \$9.00 per oz. of 20,000 seed ¼-oz. at oz. rate.
CALIFORNIA CARNATION CO., Loomis, Ca.

Marsh's pansy mixture for florists' trade packets, only 25c. Choice seed.
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New crop Burbank's Shasta daisy seed, 200 100 seeds, \$1.25 1000. Write for prices on lb lots.
Loomis Floral Co., Loomis, Cal.

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Rawson's Arlington tested seeds for florists. Catalogue free.
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THE REAL THING—Genuine IRISH SHAM-ROCK. Fine rooted cuttings, \$1.50 100, \$10.00 1000; 2½-in., full of cuttings, \$3.50 100, \$32.00 1000.
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SMILAX.

Smilax, field-grown, strong plants now established in 3-inch pots, just the thing for late planting; will make strings at once; 2½c each, or the lot for \$10.00; speak quick.
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Smilax, 2-in., strong, cut back twice, \$7.50 100; 90c 100. 250 at 1000 rate. Cash.
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500 No. 1 smilax in 2-in. pots. They are fine, strong plants, \$1.50 per 100.
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Smilax, 2½-in., strong, ready for planting. \$1.00 100; \$8.00 1000.
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Smilax, cut string, heavy, 5 feet, 12½c. Cash. Mercer Floral, 1200 E. Hamilton, Trenton, N. J.

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Smilax, 2-in., extra strong, \$1.00 100. Cash. John Brod, Niles Center, Ill.

Smilax, 3-in., strong, \$2.00 100. Cash. Joseph Heini, Jacksonville, Ill.

Smilax, 2½-in., \$2.00 per 100. Cash. Rockville Greenhouses, Rockville Center, N. Y.

Smilax, 500 2-in., \$1.50 100.
Crabb & Hunter, Grand Rapids, Mich.

STEVIAS.

Stevia, 4-inch pots, 6c; large plants. Stevia variegata, 3-in., 5c; 4-in., 10c. Cash.
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White sultana, Platyspetala, flowers large, pure white, with red dot in the center. Now is the time to stock up for the coming season. IT SELLS. Strong plants, \$1.00 per doz.
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Beautiful silver tamarisks, hardiest of all, very cheap. C. S. HARRISON, York, Neb.

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Umbrella plants. They will please you at 25c per doz., \$1.00 100, prepaid.
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2000 fine Marie Louise in bud. Just the right size to plant. \$2.50 100; \$20.00 1000. Cash with order. Send 5c for sample plant, or inquire of Ford Bros., New York, my commission men, about my violets.
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20,000 VIOLETS, Campbell, M. Louise, Farquhar, Swanley, 2½-in., fine, \$3.00 100, \$25.00 1000. California, from flats, \$1.50 100. All fit to bench and No. 1. Cash, please.
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Strong, clean, healthy Marie Louise violet plants, 2½-in. pots, at \$3.00 per 100; \$25.00 per 1000. Cash with order. Sample 10c.
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Field-grown violets, fine, healthy clumps. Hardy English, \$6.00 100; Marie Louise and Campbell, \$4.00 100. Marie Louise, 2-in., \$2.00 100; 5-in., \$5.00 100. GEO. ENGEL, Xenia, O.

California violets, strong, field-grown plants, at \$4.00 per 100. F. Rentschler, Madison, Wis.

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15,000 violet plants, strong, healthy, field-grown clumps of Marie Louise, Farquhar and Lady Campbell, \$5.00 per 100; \$45.00 per 1000.
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Violets. California, \$6.00 100; Campbell, not so strong, \$3.00 100. Cash.
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Princess of Wales violets, 2 and 2½-in., \$1.00 per 100. The Iola Greenhouses, Iola, Kan.

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Large clumps Campbell violets, \$4.00 per 100. Geo. R. Simonds, Barre, Mass.

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REVIEW Classified Advs.

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Will exchange all sizes of privet for a limited quantity of the following: Vincas, dracaenas, asparagus, carnations, violets, palms, bulbs or anything we can use. Let us hear from you.
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A few hundred extra large healthy field-grown violets, of very best kinds. Also rooted cuttings of geraniums, flowering begonias, heliotrope, ageratum, cuphea, etc. would exchange for some good carnation plants.
H. P. Dinsen, Pottsville, Pa.

To Exchange—1000 field-grown carnation, Al plants of Crocker, Hill, Triumph and Hoosier Maid at 4c each your selection, for hardy roses, gladioli, peonies or cannas.
E. C. Newbury, Mitchell, S. D.

To Exchange—Queen Louise, Joost or Prosperity, field-grown carnation plants, in exchange for small kentias, ficus elastica, cyclamen or asparagus.
DANIEL E. GORMAN, Williamsport, Pa.

To Exchange—Rex begonias, 2 and 3-in. pots, \$3.50 and \$5.00 per 100 for good Lawson, Crane, Bradt and a good white.
VICTOR THOMAS, Augusta, Ky.

To Exchange—Boston ferns from benches, for 6 and 7-in., at \$25.00 100 for anything we can use.
J. A. Swartley & Sons, Sterling, Ill.

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Wanted—Your surplus rose plants, they will make fine plants in one year if sent to us. We grow roses on contract. We have the land, the experienced help, the climate and the best shipping point in the south. It won't cost you much. We can plant out young roses nearly all winter. Try us. Write to
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Send for sample.
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Oldest dealer in the United States in hardy cut fancy and dagger ferns. Write for prices.
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Fancy and dagger ferns, evergreens, etc. Good stock, low prices.
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Pure pulverized sheep manure and unleached hardwood ashes. Send for sample and price.
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Galax, bronze or green, and small green galax for violets.
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GALAX LEAVES. Bronze or green.
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GALAX LEAVES, green or bronze.
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Greenhouse glass, paint and putty are our specialties.
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Greenhouse glass a specialty. Sprague, Smith Co., 205 Randolph St., Chicago.

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Siebert's zinc "Never-rust" glazing points. Sold by all seedsmen, or C. T. Siebert, Pittsburg, Pa.

The "Model" glazing point. Zinc. Practical. Durable.
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Peerless glazing points are the best.
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Bull-dog hose, 7 ply, guaranteed; 3/4-in., 160 ft.
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Good Hose. J. G. & A. Esler, Saddle River, N. J.

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Rose Leaf Extract of Tobacco will save you money. For free booklet write KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

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NICOTICIDE kills all greenhouse pests.
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Standard Pots. We are now ready to supply a superior quality of pots in unlimited quantities. Catalogues and price lists furnished on application.

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Standard Flower Pots. If your greenhouses are within 500 miles of the Capital, write us: we can save you money. W. H. Ernest, 28th and M Sts., N. E., Washington, D. C.

Flower Pots. Before buying write us for prices. Geo. Keller & Son, 361-363 Herndon St. (near Wrightwood Ave.), Chicago.

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Those RED pots. The right kind.
C. C. POLLWORTH CO., Milwaukee, Wis.

Red pots. Write for prices and sample pot.
Colesburg Pottery Co., Colesburg, Iowa.

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Sphagnum moss. Write for prices on large quantities. Crowl Fern Co., Millington, Mass.

Sphagnum moss. Write for prices.
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American brand FLORIST FOIL—The standard foil of America.
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Wired toothpicks, 10,000, \$1.50; 50,000, \$6.25. Sample free. For sale by dealers.
W. J. COWEE, Berlin, N. Y.

Wired toothpicks, box of 10,000, \$1.50.
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Excelsior carnation supports. In use 10 years. Write
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Galvanized stakes. No. 9 straight wire. Per 1000: 3-ft., \$6.75; 3 1/2-ft., \$8.00; 4-ft., \$8.50; 5-ft., \$12.00. No less than 1000 sold. Write for prices on 10,000 and 50,000 lots.
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Galvanized wire plant stakes at rock-bottom prices. N. F. McCarthy & Co., 84 Hawley St., Boston, Mass.

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We are manufacturers—no middleman's profits.
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Emil Steffens, Manufacturer of Florists' Wire Designs. 335 East 21st St., New York.

Reed & Keller, 122 W. 25th St., New York.
Manufacturers of Wire Designs.

E. H. Hunt, 78-78 Wabash Ave., Chicago.

RANDOM NOTES.

WARREN, PA.—W. M. Lott has retired from business for the present, being unable to secure a renewal of lease for greenhouses. Dan Offerle is making many improvements, including the erection of a handsome store with living room above for his son, who has just returned from his wedding trip, which included a visit to his craftsmen across the line. He reports stock at Dunlop's and Dale's in splendid shape. Says all eyes are being turned towards Elmira. Gammage is the coming grower of Canada.

OIL CITY, PA.—Oakwood Rose Gardens supplied the bulk of the roses used in the decoration of the club house for the reception of Governor Pennypacker at Franklin last week. B. Stahl, of Philadelphia, had charge and did splendidly. A large quantity of outdoor flowers were used. I noticed a big shipment of hardy cut flowers from Henry A. Dreer. They made a grand show and were much admired. W. T. Bell & Sons were very busy with their regular trade during the week and had all they could well attend to. Their new plant, situated at Belleville, a short distance from town, is the nucleus of what promises to be a large range. Land and location is well suited for this. R. C. Reynders has no kick coming either, business being the best in several years past. He has made several improvements during the summer, including a fine storage shed for hardy stock. Being located close to the principal cemeteries, such work is large. He finds hardy lilies very useful during the summer for designs. M.

NILES, MICH.—J. D. Schnoor is building a large addition to his greenhouse on Fifth street.

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will make you money by saving you money.

It will help you every day in the year.

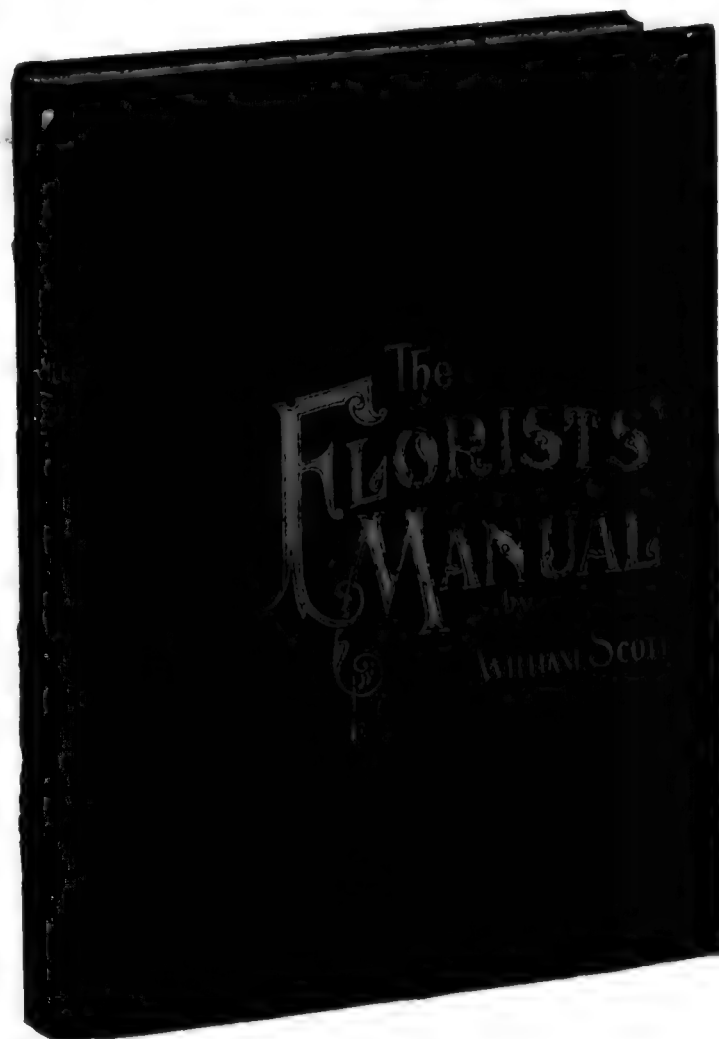
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Caxton Bldg., CHICAGO.



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A black and white photograph of a potted palm plant. The plant has several long, feathery fronds that fan out in different directions. It is growing out of a dark, rounded pot. The background is a light-colored, textured surface, possibly a wall or a backdrop, with some mottling and shadows. The lighting creates strong contrasts between the dark fronds and the lighter background.

ELMIRA, N. Y.

I see that your wandering correspondent has been around here again, picking up chunks of wisdom and items of interest and spreading them broadcast through your paper. He was a little "off" in stating that the Dale Estate, of Brampton, was to locate a large greenhouse plant here. It is the U. S. Cut Flower Co., a New York concern, but it is to be managed by Mr. Algie, the man who is responsible for the great success of the Dale Estate greenhouses. We local growers hope and expect it will be a great success. The site chosen is an admirable one, high and dry, with good circulation of air and yet protected from the heaviest storms, also convenient to the railroads. In regard to the sun shining "but one day in seven" here, as your correspondent cynically remarks, I will say that within the last four weeks there has not been a day on which the sun did not shine at least part of the time. There have been just as good flowers grown in Elmira, by Mr. Rawson and others, as are to be found anywhere and we expect that this reputation will be improved by the new concern. The only point that does not look favorable to some of us is that they intend to build with butted glass. (I can almost hear Brother Scott crow.)

The other growers here are making the usual additions and repairs. Eugene Lewis has added another house to his establishment. He confines his efforts to carnations, chrysanthemums and bedding plants.

H. N. Hoffman completed early in the summer, a rose house, 32x160, even span, walls concrete two and one-half feet and glass two and one-half feet; solid beds with 4-inch concrete walls for sides; angle iron purlins and pipe posts. The heating is done with hot water, flow pipes overhead and returns against the side walls and along the walks.

A new firm, J. E. Higgins & Son, has purchased the greenhouses run for so many years by Mrs. Moore and is planning to do a general retail flower business.

PLANTS all sold. The REVIEW does the business.—KRING BROS., Fairbury, Ill.

Carnations-A Snap!

White Cloud, Flora Hill, G. H. Crane, Gov. Roosevelt and Marquis, fine healthy plants. Packed light. Safe arrival and satisfaction guaranteed or your money back.

\$4.00 per 100. **ORDER NOW.**

FRANK BERRY, Stillwater, Minn.

Mention the Review when you write.

Bouvardia Pink, White.

Strong Plants from Field\$8.00 a 100
Less than 50, 10c each. Cash with order, please.

CHARLES E. MEEHAN
Slocum and Musgrove Sts.,
GERMANTOWN, PA.

Mention the Review when you write.

ARAUCARIA EXCELSA

2-inch pots, two tiers, \$16.00 per 100.

Araucaria Imbricata

2½-inch pots, strong plants, \$10 per 100.

F. LUDEMANN,

3041 Baker St., SAN FRANCISCO, CAL.

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100,000 SMALL FERNS.

FOR FERN DISHES.

Best commercial varieties, in 2½-inch pots, \$3.00 per 100; \$25.00 per 1000. Nephrolepis Pieris, strong plants, 2½-inch pots, \$25.00 per 100. Nephrolepis Anna Foster, strong plants, 2½-inch pots, \$8.00 per 100. **Cash.**

OECHSLIN BROS., 1688 W. Madison St., Chicago.

FIELD-GROWN CARNATION PLANTS.

It has been a good growing season and plants are in fine shape, strong and bushy.

	Per 100	Per 1000
Genevieve Lord.....	\$3 00	\$25 00
Triumph	4 00	35 00
Mrs. Potter Palmer	4 00	35 00
Dorothy	6 00	50 00
Marquis	5 00	40 00
Cressbrook	5 00	40 00
Bradt.....	5 00	40 00

All stock sold under express condition that if not satisfactory it is to be returned immediately when money will be refunded.

Peter Reinberg

51 Wabash Ave., CHICAGO.

Mention the Review when you write.

CARNATION CUTTINGS

We are now booking orders for Carnation Cuttings. All orders will be filled strictly in rotation as received. Send in your orders at once and get the early plants.

We have the following varieties from which we can supply cuttings and will sell at the market prices for good stock:

Enchantress	Fair Maid	The Queen
Boston Market	Gov. Wolcott	Eldorado
Bradt	Prosperity	Manley
E. Sheppard	Adonis	Joost
Lawson	Harlowarden	
Harry Penn	Fragrance	

All our plants are vigorous and healthy and having the best facilities for rooting we are prepared to fill large or small orders.

Long Distance Telephone.

BACKER & CO., Billerica, Mass.

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CARNATIONS -- FIELD-GROWN, CLEAN PLANTS.

Roosevelt, Apollo, G. Lord, Norway, Estelle, P. Palmer, Lorna, Prosperity, Morning Glory, Mrs. Bradt, Crocker, Glacier, Joost, Mrs. Wood, Crane, 1st size, \$5.00 per 100; 2nd size, \$2.50 per 100.

Roses, strong 3-inch pots \$4.00 per 100. Ivory, G. Gates, Brides, Maids and Woottons. Boston Ferns, from 3, 4 and 5-in. pots, \$10.00, \$15.00 and \$25.00 per 100. Rubber, top layer, 4-in., \$2.00 per doz.; 5-in., \$3.00 per doz. Farfugium grand., 4-in. pots, \$1.50 per doz. Aspidistras, green foliage, 3-in. pots, \$1.00 per doz. Aspidistras, variegated foliage, 3-in. pots, \$1.50 per doz. Violets—Princess of Wales, \$5.00 per 100. Irish Juniper, 3 to 4 feet trees, \$12.50 per 100.

Not less than 25 plants at 100 rate. **Terms Cash.**

I could use in exchange—Cyclamen, Cineraria, Primroses, Hydrangeas and Crimson Ramblers.

JOSEPH HEINL, -- Jacksonville, Ill.

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BEGONIA
Gloire de Lorraine

Strong, healthy plants, in 2-inch pots,
\$12.00 per 100.

Hardy English Ivy,

Strong, 3-inch pots, \$5.00 per 100;
\$40.00 per 1000.

I. H. MOSS, Govanstown,
Baltimore, Md.

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PRIMROSES...

BEST VARIETIES. STRONG PLANTS.

Chinese, 3½-inch pots\$5.00 per 100
Obconica Grandiflora, Alba, Rosen, Fimbriata,
2½-inch pots, \$3.00 per 100; \$25.00 per 1000
Celestial Peppers, 5-inch, \$1.50 per dozen; \$12.00 per 100.

W. Madison St., Chicago.

50,000
Field-Grown
Carnation
Plants.

Per 100 Per 1000

Flora Hill	\$5.00	\$40.00
White Cloud	5.00	40.00
Norway	4.00	35.00
Joost	3.00	25.00
Marquis	3.00	25.00

The large surplus of plants which we have left enables us to select the very best stock there is to be had.

Order at once and get first choice.

Geo. Reinberg,

51 Wabash Avenue, CHICAGO.

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Have yet on hand for sale strong, healthy, field-grown

Carnation
....Plants

as follows:

3000 McGowan.....	\$3 00 per 100
250 Cressbrook.....	5 00 "
150 Genevieve Lord.....	3 00 "
500 Admiral Cervera.....	5 00 "

FRANK H. KIMBERLY,
NEW HAVEN, CONN.

FIELD-GROWN CARNATIONS.

75 Roosevelt.....100, \$6.00	875 Alba.....100, \$5.00
400 Joost....." 6.00	125 Norway....." 6.00
400 Glacier....." 5.00	140 Crocker....." 5.00
125 M'n'g Glory....." 6.00	350 Galety....." 5.00

ROSE PLANTS.

200 4-inch American Beauties.....	\$10.00 per 100
300 4-inch Meteors.....	7 00 per 100
50 4-inch Bridesmaids.....	7 00 per 100
200 2½-inch Balduins.....	4 00 per 100

Boston Ferns—7-inch, \$1.00 each; 8-inch, \$1.25 each; 9-inch, \$1.50 each. **CASH OR U. O. D**

W. J. & M. S. VESEY, Ft. Wayne, Ind.

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Carnations...

Field-Grown Plants.

Write for Varieties and Prices.

H. WEBER & SONS, Oakland, Md.

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BARGAINS IN PALMS

We have a quantity of large and medium sized stock for decorative purposes. Must have room.

LET US MAKE YOU PRICES.

C. C. POLLWORTH CO., MILWAUKEE, WIS.

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LOOK!

Don't miss these **BERRIED PLANTS FOR CHRISTMAS**. Elegant clean, strong stock; full of berries; fine color.

Solanum Ciliatum or Adam's Apple, 3-in. pots, 5c; 4-in. pots, 8c; 6-in. pots 25c.
Solanum Annum or Celestial Peppers, 4-in. pots, 10c; 5-in. pots, 20c; 6-in. pots, 30c.
Solanum Capsicastrum or Jerusalem Cherry, 3-in. pots, 5c. Field-grown, 4-in. pots, 8c; 5-in. pots, 10c; 6-in. pots, 15c. Extra fine stock for 7-in. or 8-in. pots, 25c each.
Genista, large flowering variety, 3-in. pots, 5c; 4-in. pots, 10c. These are very strong, large plants, ready to shift.
Hydrangea Otaka, pink or blue, 3-in. pots, 5c; 4-in. 8c. Field-grown, 6-in. pots, 15c; 7-in. pots, 20c; 8-in. pots, 25c.
Dracaena Indivisa, 5-in. pots, 15c.
Stevia 4-in. pots, 6c; large plants.
Stevia Variegata 3-in. pots, 5c; 4-in. pots, 10c. Cash. Satisfaction assured. Liberal count.
M. F. LAROCHE, COLLINGSDALE, PA.

FERNS.

BOSTON FERNS		PIERSONI FERNS	
2 1/4-inch.....	\$5.00 per 100	2 1/4-inch.....	35c each
3 ".....	10.00 "	50.....	at 30c "
4 ".....	15.00 "	100.....	at 25c "
5 ".....	25.00 "	3-inch.....	at 50c "
6 ".....	40.00 "	4 ".....	at 75c "
7 ".....	60.00 "	5 ".....	at \$1.00 "
8 ".....	\$1.00 to \$1.50 each	6 ".....	at 1.50 "
10 ".....	2.00 to 2.50 "	7 ".....	at 2.50 "
		8 ".....	at 3.00 "

Asparagus Plumosus, 3-in., \$5.00; 3-in., \$8.00; 4-in., \$15.00 per 100. **Asparagus Sprengeri**, 2-in., \$3.50; 3-in., \$5.10; 4-in., \$10.00 per 100.

Order 2-in. **Cinerarias**, **Chinese Primroses** and **Obeonica**. Cut **Roses** and **Carnations**. **Mrs. Joost and Mrs. Fisher** carnations, extra fine plants, \$5.00 per 100. Write—

GEO. A. KUHLE, Pekin, Ill.

Mention the Review when you write.

ORCHIDS.

Arrived in splendid condition a grand lot of **Cattleya labiata**; also **C. Maxima**. Write for prices.

Lager & Hurrell, Growers and Importers... Summit, N. J.
 Mention the Review when you write.

JOHN SCOTT,
 Keep St. Greenhouses, Brooklyn, N. Y.
 Headquarters **Bostons**
 ...for **Bostons**

Fine "**PIERSONI**" in 2 1/4-inch pots.
 The Cottage Gardens' Collection of **Cannas**.
 Grand stock. Send for particulars.

S. S. SKIDELSKY,

708 North 16th Street,

Philadelphia, Pa.

CORRESPONDENCE SOLICITED.

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1,000,000 Unrooted Cuttings Now Ready.

White.			
Queen Louise.....	100	1000	5000
Flora Hill.....	\$0.75	\$ 7.00	\$ 30.00
Norway.....	.75	7.00	30.00
White Cloud.....	.75	7.00	30.00
Alba.....	1.80	15.00	60.00
Wolcott.....	1.80	15.00	60.00
Lillian Pond.....	3.00	25.00	115.00
Pink.			
Lawson.....	.75	7.00	30.00
Marquis.....	.75	7.00	30.00
Genevieve Lord.....	.75	7.00	30.00
Argyle.....	.75	7.00	30.00
Mermaid.....	.75	7.00	30.00
Guardian Angel.....	.75	7.00	30.00
Cressbrook.....	1.25	10.00	45.00
Higginbotham.....	1.25	10.00	45.00
Mrs. Theo. Roosevelt.....	3.00	25.00	125.00
Success.....	2.50	22.00	100.00
Scarlet.			
Crane.....	.75	7.00	30.00
America.....	.75	7.00	30.00

Scarlet.			
Estelle.....	100	1000	5000
Mrs. Palmer.....	\$1.00	\$ 9.00	\$ 40.00
Apollo.....	2.00	16.00	75.00
Crimson.			
Harlowarden.....	2.50	22.00	100.00
Gov. Roosevelt.....	.75	7.00	30.00
Gen. Maceo.....	.75	7.00	30.00
Gen. Gomez.....	.75	7.00	30.00
Harry Fenn.....	1.00	9.00	40.00
Yellow.			
Eldorado.....	.75	7.00	30.00
Gold Nugget.....	1.00	9.00	40.00
Golden Beauty.....	1.50	14.00	65.00
Variegated:			
Violania.....	6.00	50.00	225.00
M. Field.....	2.50	22.00	100.00
Tiger.....	2.50	22.00	100.00
Stella.....	1.50	14.00	60.00
Bradt.....	1.00	9.00	40.00
Armazindy.....	.75	7.00	30.00

Prepaid to your city at above Spot Cash Prices.

California Carnation Co., L. Box 103. Loomis, Cal.

Mention Review when you write.

Winter Flowering Roses.

Fine healthy stock from selected cuttings. **Sunrise**, **American Beauty**, **La France**, 3-in pots, \$7.00 per 100.

Brides, **Maids**, **Golden Gates**, **Meteors**, **Safrano**, **Bon Silene**, **Mme. Hoste**, **Papa Gontier**, 3-in. pots, \$5.00 per 100.

GRAFTED ROSES. Fine bushy plants in 3 1/2 and 4-in. pots.

Liberty, **Ivory**, \$15.00 per 100. **Brides**, **Maids**, **Golden Gates**, **Kaiserin**, \$12.00 per 100.

J. L. DILLON, BLOOMSBURG, PA.

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500,000 Herbaceous Plants

IN ALL THE LEADING VARIETIES at ridiculously Low Prices.

ASK FOR OUR SPECIAL OFFER.

BOBBINK & ATKINS, Rutherford, N. J.

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ROSES.

100 4-inch Am. Beauty.....\$10.00 per 100
 500 3-inch Ivory..... 3.00
 1500 **Sprengeri**, 2-inch.....\$20.00 per 1000
 500 **Smilax**, 2 1/4-inch.....\$1.50 per 100
 Carnations—Write for list and prices.

Crabb & Hunter, Grand Rapids, Mich.

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Florists' Review

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WELL GROWN

Sprengeri Plants.

For 3-in. pots.....\$2.50 per 100; \$20.00 per 1000
 Seedlings..... .75 5.00

SAMUEL S. PENNOCK,

1612 Ludlow Street,

Philadelphia, Pa.

BOSTON.

The Market.

Business is slowly improving. Outdoor goods are getting sadly out of form, but indoor stock is rapidly rounding into shape. Roses are both good and plentiful. Chrysanthemums are all right, white ones plentiful enough, but the colored sorts a bit shy yet. There are single violets enough to give a blue tinge to the background. Asters are about gone, but J. E. Long, of Holliston, is cutting what he calls his winter crop, which he will continue until he gets tired cutting with his mittens on. Price, \$1 per 100. Carnations continue a little on the off side, but there are some good ones.

Notes.

Two new places are announced to help us distribute our goods. J. J. McCormack will open at 37 Arch street, in the store recently vacated by T. Waters, and S. Hoffman is to open a fine place at 925 Boylston street, a couple of blocks beyond Galvin's Back Bay store.

"Bill" Anderson cannot go to Norumbega park without being bitten by a bear, but he has just returned without a mark from a run all over Nova Scotia.

James Denning has transferred his allegiance from W. S. Wilson to the Budlong Company.

Davis, the transfer florist, of Cambridge, has annexed an outdoor space and fenced and roofed it, so that he can now do big business.

M. E. Tuohy, of South Boston, has arrived home from his trip to Ireland. He was closely pursued by the Ancient and Honourable Artillery Company, of London, who have been the guests of Boston's venerable organization this week.

J. S. MANTER.

WE think the REVIEW the best of all for the retailer.—A. E. FIEDLER & Co., Baltimore, Md.

Beach the Florist Leads Why not buy Direct?
"ECLIPSES THEM ALL."

Beach's Ponderosa Pansy—Stock limited; will plant nearly an acre, absolutely for seed, next year; no oz.'s for sale; (1) pkt. \$1.00, 10 plants \$1.00; delivery Sept. 15 and thereafter; orders booked now; every up-to-date florist should have them as this valuable strain pleases the public and there is money in it for every florist. **Roses**—For fall and winter blooming, set with buds; Perles, Meteors, Maids, Brides and Gates, two years old, from 3 and 4 in. pots that retail quickly at 35c to 50c each, also on their own roots, at 6c and 8c each. **Leading Mums**—In pots, 4, 5 and 6-in., 15c, 25c and 50c each. Fall and winter stock for cuttings from 3, 4 and 5-in. pots, at \$8.00, \$10.00 and \$15.00 per 100. **Geraniums**—Pink, white, red and scarlet, single and double. Vincas—3 and 4-in. pots, 5c and 10c each. English Ivy—3 and 4-in. pots, 5c and 10c each. Fuchsias—3 and 4-in. pots, pink, white and dark blue, 8c, 10c and 15c each. Sweet Scented Geraniums—3 and 4-in. pots, 8c and 10c each. Coleus—3 and 4-in. pots, fancy, 8c and 10c each. Hydrangeas—3 and 4-in. pots, 10c and 25c each. Hibiscus—3 and 4-in. pots, 15c and 25c each. Boston Ferns—20c, 40c and 75c each. Palms—25c, 50c, 75c and \$1.00 each. **Fancy Violet Stock**—Potted, set with buds, Imperial, Swanley White, Wales, Marie Louise, Farquhar, Campbell, Hardy English, from 3, 4 and 5-in. pots, at \$4.00, \$5.00 and \$6.00 per 100. **Choice Carnations** on application.

David S. Beach, Box 253, Bridgeport, Conn.

STORE: GREENHOUSES:
36 Post Office Arcade. 242 Park Avenue.
Mention the Review when you write.

ALYSSUM, 3-inch, strong plants, \$3.50 per 100.
Jerusalem Cherry Trees, field-grown, dwarf and bushy, well set with berries, \$3.00 per 100.
English Ivy, field-grown, stocky plants, \$5.00 per 100.
Hydrangeas, finest lot you ever saw, field-grown, with 8 to 10 flowering shoots, \$12 a 100.
Violets—California, extra strong plants, field-grown, \$6.00 per 100. Campbell, not so strong, field-grown, \$3.00 per 100. **Boston Ferns**—From 2 1/2, 3, 4, 5, 6-inch pots, \$5.00, \$10.00, \$25.00, \$35.00, \$50.00 per 100. Cash or C. O. D.

Converse Greenhouses, Webster, Mass.
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AZALEAS

AZALEA INDICA.

Shipments arriving in fine condition.

Are offering best American market varieties ONLY. No cheap, assorted case lots. 10 to 12-inch crowns, per 100, \$35.00
12 to 14-inch crowns, per 100, \$45.00; 14 to 16-inch crowns, per 100, 55.00

Adiantum Cuneatum.

2 1/2-inch, \$2.50 per 100

Assorted Ferns.

For Dishes.
\$2.50 per 100

BOSTON FERN.

2 1/2-inch, \$4.00 per 100

Asparagus Sprengeri.

2 1/2-inch.....\$3.00 per 100

Primula Chinensis Fimbriata Alba.

\$2.50 per 100.

FERNS Etc.

The STORRS & HARRISON CO., Painesville, O.

ARAUCARIA EXCELSA.

A particularly nice lot of plants in 6-inch pots. 20 to 24 inches high, 4 to 5 tiers, \$1.50 each; \$18.00 per dozen.

ASPARAGUS PLUMOSUS

TRUE NANUS.

2-inch.....\$0.50 per doz. \$3.50 per 100 \$30.00 per 1000
3-inch.....1.00 8.00 70.00

FERNS FOR DISHES, \$3.00 per 100; \$25.00 per 1000.

Send for complete illustrated price list, mailed free.

THE GEO. WITTBOLD CO., 1657 Buckingham Place, CHICAGO

CHOICE HARDY PLANTS

For Fall Planting.

Per 100
Chrysanthemum Inodorum, strong field plants ..\$ 5.00
Maxima, .. 4.00
Hibiscus, 3 varieties, 3-inch pots..... 8.00
Gaillardia Grandiflora, strong field plants..... 6.00
Compacta, .. 8.00
Coreopsis Lanceolata, " " .. 5.00
Helenium Autumnale, 3-inch pots..... 8.00
Rosa, 3-inch pots..... 5.00
Helianthus Rigidus, strong field plants..... 5.00
Maximiliani, strong field plants..... 5.00
German Iris, strong field plants..... 5.00
Funkia Caeulea, strong field plants..... 4.00
Hardy Aster, 6 varieties, strong plants..... 5.00
Digitalis Gloxiniaeflora, strong field clumps 10.00
Delphinium Chinensis, strong field plants 8.00
Formosum, .. 8.00
choice hybrids, 2 1/2-inch pots..... 10.00
Phlox, choice mixed varieties, 3-inch pots..... 5.00

Wagner Park Conservatories, Sidney, Ohio.

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Commercial Violet Culture.

BY B. T. GALLOWAY.

This is the Second Edition of this very successful book, revised and brought up to date.

Fully illustrated and handsomely printed.

Sent postpaid on receipt of \$1.50.

FLORISTS' PUBLISHING CO.

520 Caxton Building, Chicago.
334 Dearborn St.,

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SMILAX!

Last call for No. 1 plants, from 2-inch pots, at \$8.00 per 1000, in any quantity.

Asparagus Sprengeri, 2-inch, \$1.50 a 100

E. I. RAWLINGS, Quakertown, Pa.

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STUDER Offers:

FERNS—Fine, healthy plants. **Alsophila Australis**, specimens in 11-inch pots, 5 feet size, \$4.00 each; \$45.00 per doz.

Davallioides Furcans and **Bostons**, from 5-inch pots, \$4.00 per doz. From 6-inch pots, \$6.00 per doz.

Lomaria Gibbs and **Cordata Compacta**, from 5-inch pots, \$3.50 per doz. From 6-inch pots, \$4.50 per doz.

Asparagus Sprengeri, **Anthuriums**, **Marantas**, **Carex**, **Cyperus Alternifolius**, **Grevilleas**, **Sansevierias**, **Mixed Small Ferns** and **Selaginellas**, from 2 1/2-inch pots, for fern dishes, etc., 40c per doz.

Field-grown 2 and 3-year old ROSES, **Hybrids**, **Teas**, **Moss**, **Climbers**, in best varieties, \$1.20 per doz.

Five per cent. discount for cash with order.

N. STUDER, ANACOSTIA, D. C.

Mention the Review when you write.

Primroses..

Per 100
Chinese, single, mixed, 2 1/4-inch pots.....\$2.00
Obconica, alba and rosea, 2 1/4-inch pots..... 2.00
Asparagus Sprengeri, 2 1/4-inch pots..... 2.00
Plumosus..... 2.50
P. W. Narcissus, bulbs..... 1.00
Pansy Plants, \$3.00 per 1000..... 50

CASH.

JOS. H. CUNNINGHAM

DELAWARE, OHIO.

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Geraniums, Etc.

From 2 1/4-inch pots. GOOD STOCK.

Not less than FIVE of any one variety sold.

	Per 100	Per 1000
Abutilon, in variety.....	40c	\$2.00
Acalypha, Macafeana.....	40c	2.50
Ageratum "Stella Gurney," white.....	40c	2.00
Baby Primrose, "Primula Forbesii".....	40c	2.00
Coleus, 10 varieties.....	40c	2.00
Fuchsias, in variety.....	50c	3.00
GERANIUMS, double, single and scented, in good variety, young, healthy stock.....	40c	2.00
Hardy English Ivy.....		2.00
Holt's Mammoth Sage.....	40c	2.00
Lemon Verbena.....		2.50
Lantanas, 10 varieties.....	40c	2.00
Parlor Ivy.....	40c	2.00
Polygala Suavis.....	50c	2.50
Strobilanthes Dyerianus.....	50c	2.50
Swainsona Alba.....	40c	2.00
Rosea.....	40c	2.00
Tritoma Pfitzeri, 2 1/4-inch pots.....	75c	4.00
Uvaria.....	60c	2.50

Notice our Vegetable Plant advertisement in this issue. Cash with order please. Send for Trade Price List.

R. VINCENT, JR. & SON,

WHITE MARSH, MD.

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75,000 Geranium Cuttings.

Our cuttings this fall are perfection. Order now and secure the best stock of the only ones to grow for profit. Jean Viaud (pink), S. A. Nutt (crimson), Alp. Ricard (scarlet), Mme. Buchner (white), Mrs. E. G. Hill, Beate Poltevine (salmons), all semi-double, strong rooted cuttings, \$1.25 per 100; \$12.00 per 1000.

Field Plants of the above varieties. 12 to 18 inches high. \$1.00 per 25; \$3.00 per 100.

Petunias—Double fringed, 12 varieties selected from Henderson's and Dreer's latest sets, including Snow Storm, strong rooted cuttings. \$1.00 per 100; \$9.00 per 1000.

Salvia—The two best, St. Louis and Bonfire, rooted cuttings, \$1.00 per 100; \$8.00 per 1000.

Smilax—Strong plants from 2 1/4-inch pots, \$1.00 per 100; \$8.00 per 1000. Samples gladly sent.

Carnations—Cut blooms of all the standard sorts. First quality, \$1.50 per 100; seconds, short stem for design work \$1.00 per 100.

THE W. T. BUCKLEY PLANT CO.

SPRINGFIELD, ILL.

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Palms, &c.

Special Low Prices and Discounts for spot cash with the order.

Special Price on Lantanas.

PLANTS	In.	In.	No.	Per	Per
	pot	high	leaves	10	100
Lantana Borbonica...	5	18-20	3-4	\$1.10	\$10.00
"	6	20-25	4-5	2.00	18.00
"	7	23-26	4-5	4.00	
" 3 plants	8	24-28	7-8	7.00	
"	9	28-30	9-10	9.00	
"	10	30-36	10-12	12.00	

And 10 per cent. off on orders of \$100.00 or over.

A special discount from wholesale list on all other plants not named above, of one-third, will be given where accompanied by spot cash and 40 per cent. on all orders amounting to \$100.00 or over. Come or send orders at once. You never had such an opportunity to get a bargain. Please let me hear from you at once.

W. J. HESSER, Plattsmouth, Neb.

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Cyclamen gigan.—Large flowering, 3-in., ready for 4-in., \$5.00 per 100; 4-in., \$10.00 per 100; 5-in., well budded or in bloom, \$15.00 per 100.

Asparagus Sprengerii—From flats, \$1.00 per 100; \$6.00 per 1000. 2 1/4-inch, \$1.50 per 100; \$12.50 per 1000.

Primroses, Chinese and Obconica, 2 1/4-inch, 2.00 per 100; 300 for \$5.00; 3-inch, \$3.00 per 100; 4-inch, \$6.00 per 100.

Cinerarias—2 1/4-inch, \$2.00 per 100.

AMUEL WHITTON, 15-17 Gray Ave., UTICA, N. Y.

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GROWERS WATCH FOR FRAUD.

THE H. A. STOOHOFF CO.,

GENTLEMEN:—

116 West St., New York City.

I procured through a New York seedsman 200 lbs. of your FUMIGATING KIND TOBACCO POWDER and it was not the kind you ship; it is more like clay and will not burn at all; their agent assured me that his firm sold yours. As I am entirely out please send at once 200 lbs. FUMIGATING KIND. It is superseding tobacco stems in this neighborhood.

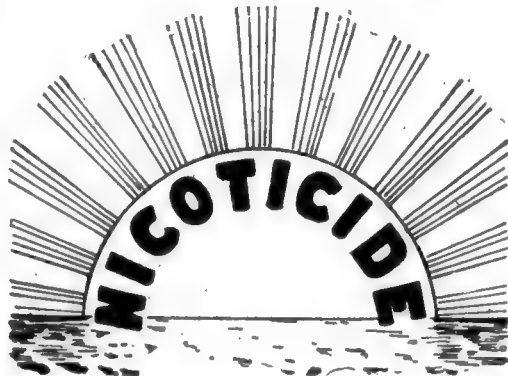
Very truly,

EDWARD W. CLARK.

The above is one of many letters we receive, and we wish to advise all that THE FUMIGATING KIND TOBACCO POWDER is not genuine if our "guarantee tag of satisfaction or money back" is not attached to every bag. In every case similar to Mr. Clark's no tags were attached, this alone showing fraud. Buy direct from us.

THE H. A. STOOHOFF CO.

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You Can Rely on it to Kill All Bugs

Tobacco Warehousing & Trading Company
Louisville, Ky.

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ARE YOU USING

The Model Extension Carnation Support

If Not, Why Not? Over Three Million in use

Our Catalogue can be had for the asking.
It tells why you should use them.

The Parker-Bruen Man'g Co. Inc.,
206-8 Jersey St., HARRISON, N. J.

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Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000...\$1.50; 50,000...\$6.25. Sample free

For sale by dealers.

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FOLEY'S FLORAL FOTOGRAPHS

Send for my Floral Album, size 12x11, containing 24 different funeral designs. Sent to any part of the country by express, \$7.00 c. o. d.

226-226 1/2 Bowery, NEW YORK.

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APHIS.... PUNK

DEATH TO THRIPS

Green and Black Fly

and all Greenhouse Pests

Specially prepared paper thoroughly saturated with PURE NICOTINE

Can be EASILY used

POSITIVELY EFFECTIVE

FREE FROM AMMONIA

Will not injure any greenhouse plants.

1 Box (12 Rolls).....\$0.60

1 Case (12 Boxes).....6.50

MANUFACTURED ONLY BY

DETROIT NICOTINE COMPANY.

E. H. HUNT, 76-78 Wabash Ave., CHICAGO

Selling Agent.

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SULPHO-TOBACCO SOAP

COMBINES THE STRONGEST

TOBACCO EXTRACT

with Sulphur and Alkali. Never fails to

KILL BUGS AND INSECTS

GREENHOUSE STOCK

kept healthy by using this popular Insecticide. Satisfaction guaranteed. Prices low. Write for sample cake.

Larkin Soap Co. BUFFALO, N. Y.

Mention the Review when you write.

WHY NOT BUY RED POTS

OF US?

STANDARD SIZE.

Quality—No Better.

Carefully Packed in Small Crates. Easy to Handle. Price List Free.

Syracuse Pottery Co.

SYRACUSE, N. Y.

Best Pot in the market.

Always mention the....

Florists' Review

When Writing Advertisers

GRAND RAPIDS.

Through varying weather, business has kept up briskly; funeral orders have been frequent and have served to keep the greenhouse men as well as the stores, busy putting up work. While carnations and roses were scarce, the bright days have recently brought them on fast. Violets are beginning to bloom, though as yet quality is poor. There are also a few Harrisii to be seen.

Henry Smith is not yet in shape to turn on steam, but will be in a few days.

Bruinslot has his houses now planted and everything looking fine.

Cunningham has his steamfitting on his new place about done.

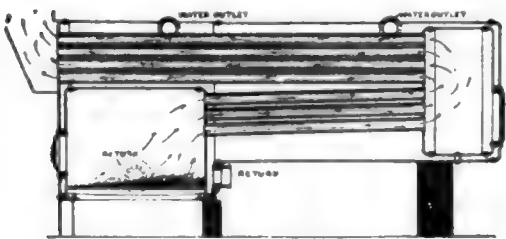
Crabb & Hunter did not get their smoke stack raised until October 6, and have only two runs of pipe in each house, just so steam can be turned on to take the chill off. They are beginning to cut some fine La France and Kaiserin.

The West Michigan fair was a financial success in spite of the bad week. The plant exhibit was poor. In floral designs Henry Smith was first with a large panel on an easel. The Grand Rapids Floral Co. took second with a large wreath of roses on a stand. On table the Grand Rapids Floral Co. was first, Henry Smith second, and Bruinslot & Sons third. William Cunningham was also an exhibitor and came in for a share of the premiums. It is to be hoped that next year, the management will get a hustle on and get the premium list out early and in the hands of the florists, so they will know what to grow and have time to get ready. G. F. C.

THE Chicago Tribune of October 4 used Nephrolepis Piersoni for the subject of its full page picture for the front of the color section. It is seldom that a new plant gets so good an advertisement and it is publicity of great value, also, to the trade at large.

The "Superlor" Boiler

BEST FOR GREENHOUSE HEATING.



WE claim this to be the most **ECONOMICAL BOILER** on the market. The simplicity of construction is apparent from the illustration; built throughout of first-class steel plate; no cast iron rings or legs to crack—all solid steel. Made in five sizes, for 4,000, 5,000, 6,000, 7,500 and 9,000 lineal feet of 4-inch pipe. Every boiler built to order. Send for price list and full information.

SUPERIOR MACHINE AND BOILER WORKS,
129-133 W. Superior St., CHICAGO.

Mention the Review when you write.

THE STANDARD,

The lightest running, most rapid and powerful Ventilating Machine in the market.

The DUPLEX GUTTERS,

Made of wrought or cast iron, with self-adjusting sash bar clips.

The only **DRIP PROOF GUTTERS** made.

Send for catalogue—free.

E. HIPFARD,
Youngstown, OHIO.

Mention the Review when you write.



Pat'd
Mar. 26,
1901.

DREER'S Peerless Glazing Point

(Improved Van Reyper Perfect)

has common sense features of practical value that appeal to practical florists and are possessed by no other point. The only double point with

BOTH BEVELS ON SAME SIDE.

A point made on any other principle will twist in driving and cramp or crack the glass. Dreyer's Peerless Glazing Points will never work out. Drives true and holds firmly by one blow of hammer or chisel. May be easily removed and used again in case of re-glazing. 1000 sufficient for 500 lights. Box of 1000 points 75c, postpaid. 5000 points by express for \$2.75.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

Mention the Review when you write.

Many Florists

have said that **Dixon's Graphite Pipe Joint Compound** saves them time, money and trouble. It is equally useful for steam or water joints. Before overhauling your pipes let us send you booklet.....

JOSEPH DIXON CRUCIBLE CO.
JERSEY CITY, N. J.

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Florists' Foil **AMERICAN BRAND**

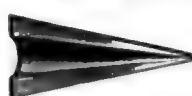
PLAIN, EMBOSSED, COLORED.

MANUFACTURED BY

Violet and Rose Foil a Specialty.

The John J. Crooke Co. 155 to 163 Ave. D, NEW YORK.
Established 1850. 149 Fulton St., CHICAGO.

"IT BEATS THEM ALL."



"THE MODEL"
GLAZING POINT.

Pat. Nov. 25, 1902. No Rights or Lefts.

Zinc. Practical. Durable.

By Mail, package of 1050 points, 45c.

Western Agent, Vaughan's Seed Store, Chicago.

THE PARKER-BRUEN MFG. CO.,

(Inc.) Mfg. Model Extension Carnation Support,

206-8 Jersey St., Harrison, N. J.

Mention the Review when you write.

AMERICAN FLOWER and TREE TUB.



Made from Everlasting CYPRESS

Various sizes, green or natural finish. Castings black.

Feet and bolts packed in side tubs for shipment.

We also have the neatest **Plant Stand** on the market.

Send for Catalogue C905.

American Wooden Ware Mfg. Co., Toledo, Ohio

Mention the Review when you write.

Fumigating Kind Tobacco Powder

KILLS ALL APHIS IN ONE NIGHT
In a house 1000 ft. at a cost of 10c. A 5 lb. tin will kill nothing if you will pay three cents a pound for it. Your booklet tells of it. Write long to find it. **THE H. A. STODOLFF COMPANY**
110, 112, 114 West St., N. Y. C.

BEST AND CHEAPEST
ALL-ROUND INSECTICIDE
on the Market.



For sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.



HITCHINGS & CO.

233 MERCER STREET, NEW YORK.
GREENHOUSE BUILDING.

VENTILATING APPARATUS

HOT WATER BOILERS, PIPES AND FITTINGS.
SEND FOUR CENTS FOR CATALOGUE.

Mention the Review when you write.

BOXES! BOXES!

I am now manufacturing and carry in stock ready for prompt shipment the following sizes of LIGHT WOODEN EXPRESS BOXES for the shipment of cut flowers and plants.

Prices include extra inside pieces for ice compartment and small nails for putting boxes together. Excepting first three sizes end pieces are made of dressed stock 3/4-inch thick, sides, top and bottom 1/2-inch thick of smooth sawn lumber not dressed.

Weights are approximate but will not vary 5 pounds either way.

Sizes	Price per 100	Weight per 100
3 x 4 x 20.....	\$2.00	125 lbs.
3 x 5 x 24.....	2.25	150 "
3 x 7 x 21.....	2.25	150 "
6 x 6 x 24.....	3.40	300 "
4 x 12 x 24.....	4.50	425 "
5 x 12 x 24.....	4.80	450 "
6 x 12 x 24.....	5.25	500 "
6 x 12 x 30.....	6.40	600 "
5 x 12 x 36.....	7.00	675 "
6 x 12 x 36.....	7.50	725 "
6 x 15 x 42.....	10.25	1000 "
6 x 15 x 48.....	11.50	1100 "

Plant boxes, tight or slatted, ventilated sides, 12 x 12 x 24, \$7.50 per 100, weight 750 lbs. per 100.

HOLLY CASES.

I am manufacturing the strongest, lightest and I think **CHEAPEST** Holly Box on the market, 24 x 24 x 48, paneled ends, weight only 28 lbs. each, 3/4-inch stuff, price \$80.00 per 100.

Shippers of holly should protect their customers from paying freight on excessively heavy boxes.

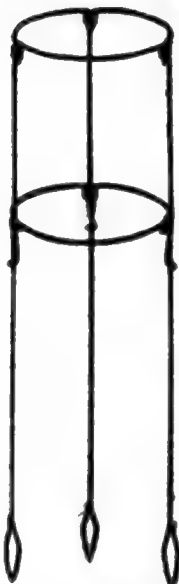
Terms:—\$5.00 and under cash with order please; approved reference 2 per cent. 10 days; net cash 30 days.

GETMORE BOX FACTORY,

Owned and Operated by CALDWELL the WOODSMAN

BELLEVILLE, ALABAMA.

Mention the Review when you write.



...THE...

Model

EXTENSION
CARNATION SUPPORT.

ALSO GALVANIZED
STEEL ROSE STAKES.

Endorsed by all the leading carnation growers as the best support on the market.

Made with two or three circles.
Prompt shipment guaranteed
Pat. July 27, 1897; May 17, 1898.

Write for prices and circulars.

IGOE BROS.

228 N. 8th St., Brooklyn, N. Y.

Mention Review when you write.

KRAMER'S POT HANGERS.



Neatest, simplest, most convenient and only practical device for converting ordinary flower pots into hanging baskets. They fit all standard made pots from 2 to 10 inches in diameter. The illustration shows how they are attached. Just the thing for hanging up Ferns, Begonias, etc. You can make room and money by their use. Try them.

Price with wire chain, as shown in cut, \$1.00 per dozen by express. Sample dozen by mail, \$1.35.

I. N. Kramer & Son

CEDAR RAPIDS, IA.

For sale by the E. F. WINTERSON CO., CHICAGO; C. C. POLLWORTH CO., MILWAUKEE, WIS.; VAUGHAN'S SEED STORE, NEW YORK AND CHICAGO.

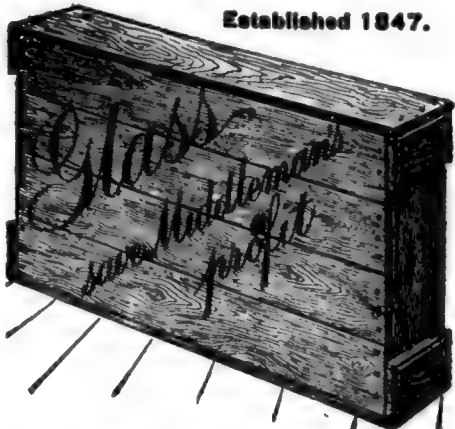
Mention the Review when you write.

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Established 1847.

7-9-11 Laight St.

NEW YORK



French Glass

Direct shipment from abroad.

Goods reach you duty paid. You just remove them from the depot, the same as any other shipment.

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Glass at Wholesale!

Greenhouse Materials, Gulf Cypress.

S. JACOBS & SONS, MANUFACTURERS, 1365 to 1373 Flushing Ave. BROOKLYN, N. Y.

GULF CYPRESS. EVERYTHING FOR BUILDING.

"NOTHING THE FLORIST NEEDS THAT WE CANNOT SUPPLY."

Send for Catalogue.

Mention the Review when you write.



LIGHTNING

FLOWER POT WASHER



Washes all sizes of pots, clean as new, about as fast as you can handle them. Strong plants are only grown in clean pots. Send for description.

Sold direct \$15.00 net, f. o. b. Joliet.

C. E. FINLEY, JOLIET, ILLINOIS.

Mention the Review when you write.

CUT FLOWER BOXES.

WATERPROOF. Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No. 0....	3x4 x20	\$2.00 per 100; \$18.00 per 1000
" No. 1....	3x4 1/2 x18	1.75 " 15.00 "
" No. 2....	3x6 x18	2.00 " 18.00 "
" No. 3....	4x8 x18	2.40 " 22.00 "
" No. 4....	3x5 x24	2.75 " 25.00 "
" No. 5....	4x8 x22	3.00 " 27.00 "
" No. 6....	4x8 x28	3.75 " 35.00 "
" No. 7....	6x16 x20	5.50 " 53.00 "
" No. 8....	3x7 x21	3.00 " 29.00 "
" No. 9....	5x10 x35	6.50 " 60.00 "

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

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Box 104.



MASTICA

FOR Greenhouse Glazing

USE IT NOW.

F.O. PIERCE CO.

170 Fulton St., NEW YORK

Mention the Review when you write.

IMPROVED RECORDING THERMOMETER.

JUST THE THING FOR YOUR

..GREENHOUSE..



No. 200.

Send for catalogue and prices.

The Hellos-Upton Co., Peabody, Mass.

Mention Review when you write.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

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Entered at the Chicago post-office as mail matter of the second class.

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INDEX TO ADVERTISERS.

This index covers only those having displayed advertisements. There is a host of others making offers in our classified ads. and they will be found there under their proper headings.

Allen, J. K.	802	Giblin & Co.	824
Am. Wooden Ware Co.	820	Graham, H.	807
Amling, E. C.	797	Gude & Bro., A.	806
Aschmann, Godfrey ..	815	Gullett & Sons ..	815
Bache, Semon & Co. ..	821	Guttman, A. J.	803
Backer & Co.	816	Hammond, J. A.	802
Baker, W. J.	801	Hauswirth, P. J.	806
Ball, G. D.	807	Heacock, Jos.	815
Barnard & Co.	785	Heini, Jos.	816
Bassett & Washburn ..	804	Heller Bros.	800
Bayersdorfer & Co. ..	786	Hellos-Upton	821
Beach, D. S.	818	Herr, A. M.	805
Beckert, W. O.	799	Herrmann, A.	786
Beneke, J. J.	806	Hesser, W. J.	819
Bentley & Co.	804	Hicks & Crawbuck. ..	803
Berger, H. H. & Co. ..	786	Hill Co., E. G.	801
Bernheimer, E.	801	Hippard, E.	820
Berning, H. G.	805	Hitchings & Co.	820-22-24
Berry, F.	816	Holton & Hunkel Co. ..	801
Bobblin & Atkins.	817	Hunt, E. H.	804-19
Bonnot Bros.	802	Igoe Bros.	821
Bowe, M. A.	806	Jacobs & Son.	821
Bradshaw & Hartman ..	802	Johnson & Stokes ..	801
Brague, L. B.	805	Jurgens, Aug.	804
Breitmeyer's Sons ..	806	Kasting, W. F.	785
Brod, J.	815	Kellogg, Geo. M.	801
Bruno, H. N.	804	Kennicott Bros. Co. ..	785
Buckley Plant Co.	819	Kentucky Tobacco Product Co.	820
Budlong, J. A.	804	Kimberly, F. H.	816
Burpee, W. Atlee & Co.	799	Kramer & Son.	821
Caldwell Co., W. E.	822	Kreshover, L. J.	802
Caldwell The Woodsman Co.	803	Kroeschell Bros. Co. ..	824
California Carnation Co.	817	Kuehn, C. A.	805
Century Flower Shop ..	806	Kuhl, Geo. A.	817
Chicago Carnation Co.	785	Lager & Hurrell.	817
Clarke Bros.	806	Lange, A.	806
Clarke's Sons, David ..	806	Langjahr, A. J.	802
Classified Advs.	808	Larkin Soap Co.	819
Converse Green-houses.	818	La Roche, M. F.	817
Cottage Gardens.	801	Lecakes & Co., N.	803
Cowee, W. J.	819	Limbach, C.	823
Crabb & Hunter	817	Livingston Seed Co. ..	821
Crowl Fern Co.	803	Loomis Floral Co.	815
Crooke Co., J. J.	820	Lord & Burnham.	824
Cunningham, J. H.	818	Ludemann, F.	816
Dearborn Engraving Co.	786	McConnell, Alex.	806
Dickinson Co., Albert ..	799	McCullough's Sons. ..	805
Dietsch, A. & Co.	823	McManus, Jas.	802
Diller, Caskey & Co. ..	822	McMorran & Co.	823
Dillon, J. L.	817	Meehan, C. E.	816
Dillon Greenhouse Mfg. Co.	824	Michigan Cut Flower Exchange.	806
Dixon Crucible Co.	820	Millang, A.	803
Dorner, F. & Sons Co. ..	805	Millang, C.	802
Dreer, H. A.	820	Millang, F.	803
Dunn & Co., C. A.	801-07	Moninger Co., J. C. ..	823
Dunne & Co.	786	Moon Co., W. H.	798
Eickholt, Mrs. Chas. ..	806	Moore, Hentz & Nash ..	802
Elliott, J. L.	822	Moss, Isaac H.	816
Ellis, F. M.	805	Muno, John	804
Finley, C. E.	821	Murphy, Wm.	805
Florists' Hall Asso.	822	National Florists' Board of Trade ..	808
Foley, J. J.	819	Naumann, G. M.	807
Foley Mfg. Co.	823	N. Y. Cut Flower Co. ..	802
Ford Bros.	803	Niessen, Leo.	801-15
Ford, F. S.	823	Oechslein Bros.	816
Foster, L. H.	815	Park Floral Co.	806
Garland, Geo. M.	824	Parker-Bruen Co.	819-20
Garland, Frank.	804	Peacock, W. P.	805
Gasser Co., J. M.	801-06	Pennock, S. S.	800-17
Geller, Sigmund	786	Perkins, J. J.	803
Getmore Box Fctry.	821	Peterson Nursery	798
Ghormley, W.	802	Philadelphia Wholesale Flower Market ..	803

Quaker City Machine Works.	824	Stern & Co., J.	786
Randall, A. L.	804	Stewart, S. B.	807
Rawlings, E. I.	818	Stoothoff, H. A.	819-20
Rawson & Co.	799	Storrs & Harrison Co. ..	818
Raynor, J. I.	803	Studer, N.	818
Reed & Keller	786	Stumpp & Walter Co. ..	799
Regan Ptg. House.	806	Superior Machine & Boiler Works.	820
Reld, Edw.	801	Swanson, Aug. S.	806
Reinberg, Geo.	804-16	Syracuse Pottery.	819
Reinberg, P.	804-16	Thorburn, J. M. & Co. ..	799
Rice Bros.	801	Tobacco Warehouse-ing & Trading Co. ..	819
Rice, M. & Co.	786	Traendly & Schenck.	803
Riedel & Spicer.	802	Vesey, W. J. & M. S.	816
Robinson & Co.	788	Vincent, Jr. R. & Son.	819
Rock, W. L.	806	Virgin, U. J.	807
Roehrs, Julius.	785	Vredenburg & Co.	798
Ryerson, U. C.	823	Wabash, R. R.	823
Saltford.	806	Wagner Park Conservatories.	818
Saltford, Geo.	802	Weber, F. O.	806
Schmitz, F. W. O.	786	Weber & Sons.	816
Scollay, J. A.	824	Welland, M.	806
Scott, John.	817	Welland & Risch.	804
Scott, W.	806	Whitton, C.	805
Sheridan, W. F.	802	Whitton, S.	819
Shibeley.	806	Wiegand & Sons.	806
Siebert, C. T.	823	Wietor Bros.	804
Siebrecht & Son.	806	Wilks Mfg. Co.	822
Sievers & Boland.	806	Williams Co., F. B.	801
Sinner Bros.	804	Winterson Co., E. F.	807
Skidelsky, S. S.	817	Wittbold Co.	806-18
Slinn & Hughes.	802	Young, John.	802
Smith & Son, N.	816	Young, J. W.	801
Smith Co., W. & T.	798	Young & Nugent.	802
South Park Floral Co.	800		
Sprague Smith Co.	823		

J. L. ELLIOTT,

Pure Pulverized Sheep Manure

and Unleached Hard Wood Ashes
for sale by the BAG, TON OR CARLOAD.

Send for sample and price list.

Office: 120 E. 3rd St., So. Bethlehem, Pa.
Factory: 8 Mechanic St.,

PLEASE discontinue my advertisement of field-grown carnations as I am getting more orders than I can fill.—
HENRY BAER, Peoria, Ill.

Always mention the Florists' Review when writing advertisers.

See That Ledge.

Pat. Sept. 18, 1900.

THE JENNINGS IMPROVED

IRON GUTTER.

...USE OUR...

Patent Iron Bench Fittings and Roof Supports.

Ventilating Apparatus,

Improved Vaporizing Pans for Tobacco Extracts, Etc.

SEND FOR CIRCULARS. DILLER, CASKEY & CO., Successors to JENNINGS BROS.
S. W. Cor. 6th and Burke Sts., PHILADELPHIA, PA.

WILKS HEATERS

Best for SMALL GREENHOUSES, etc.

SELF-FEEDING MAGAZINE, SIMPLE, STRONG,
DURABLE, HARD OR SOFT COAL.

EXPANSION TANKS.

Send for Catalog.

S. WILKS MFG. CO.

35th Street and Shields Avenue, - - CHICAGO, ILL
Tel. Yards 866.

HITCHINGS & CO.

233 MERCER ST., NEW YORK.

GREENHOUSE BOILERS

PIPES, FITTINGS AND VENTILATING APPARATUS

Send Four Cents for Catalogue.

GREENHOUSE BUILDING

Mention the Review when you write.

"Absolutely safe and reliable. Ask your friends."

No
Guesswork

in a

Caldwell
Tank and
Tower

One reason why our outfits last so long and need no care or watching is because every part is made by experts who have had years of experience.

The best and cheapest water service for hot-houses and grounds is assured by Caldwell Outfits.

Send for our illustrated catalogue and price list.

W. E. Caldwell Co.
Louisville, Ky.

Mention the Review when you write.

The Florists' Hall Association

has paid over \$54,000 for glass broken by hail during the past 15 years. For particulars Address JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

FOLEY MANUFACTURING CO.

Office
471 W. 22nd St.,

CHICAGO

Send for New
Catalogue
Free.

GREENHOUSE MATERIAL

Cypress
Woodwork.

Red Cedar Posts.
NEW IRON GUTTER.

PERFECTION LIFTING APPARATUS.

PURLIN SUPPORT FITTINGS, HINGES, Etc.

CONCENTRIC PRINCIPLE OF CUTTING SASH BARS.

Mention the Review when you write.



DETACHED or MOVABLE ROOFING

FOR

Greenhouses, Conservatories, Etc.

Patented July 14, 1903. Send for description.

Address **F. S. FORD**, Patentee,
Lower Cabot, Washington Co., Vermont.
Mention the Review when you write.

Sprague Smith Co.

PLATE AND WINDOW GLASS

Greenhouse Glass a Specialty

205 Randolph Street, CHICAGO.
Mention the Review when you write.

GLASS

Greenhouse
Sizes
a Specialty.

PAINT, PUTTY, Etc.

CASPER LIMBACH, Pittsburg, Pa.

60 Washington Ave., 31st Ward.
1929 Carson St., S. S.

Mention The Review when you write.

SIEBERT'S ZINC

Never Rust
Glazing Points

ARE POSITIVELY THE BEST. LAST FOREVER. Over 9000 pounds now in use. A sure preventive of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, $\frac{3}{4}$ and $\frac{1}{2}$, 40c per lb.; by mail 16c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00 by express. For sale by the trade.

CHAS. T. SIEBERT, Sta. B., Pittsburg, Pa.
Mention the Review when you write.

VERY LOW RATES SOUTH AND SOUTHWEST.

The Wabash road will sell Homeseeker's Excursion tickets, October 20, from Chicago to Mobile and New Orleans and return at \$16.00 for the round trip; also on the same date to a large number of points in Arkansas, Texas and Indian and Oklahoma territories at \$20.00 for the round trip. Liberal stopover privileges. Final limit three weeks. Write for full details.

F. A. PALMER, Asst. Gen. Pass. Agt.,
311 Marquette Bldg., Chicago, Ill.
Mention Review when you write.



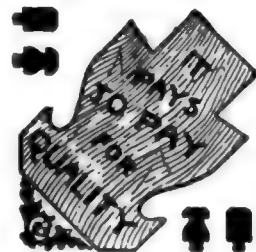
The Best is the Cheapest in the long run.

Houses built of **Our Material** don't have to be rebuilt every few years.

Our material costs more than that furnished by local planing-mills.

But it stands longer, as many who have both will certify.

If you contemplate building, write us for prices.



JOHN MONINGER COMPANY.
GREENHOUSE MATERIAL

111 to 115 BLACKHAWK ST CHICAGO ILL.

SELLING AGENTS FOR
GARLAND IRON GUTTERS.

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SHORT-ROOF GREENHOUSES. (PATENTED.)

WRITE FOR CATALOGUE.

A. DIETSCH & CO., PATENTEES.

Manufacturers of

Washington Red Cedar and Louisiana Cypress Greenhouse Material and Hotbed Sash.

615-621 Sheffield Avenue, - - - CHICAGO, ILL.

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Aphis Punk. Paper Box of 12 rolls ... 60c
Wood Case of 12 boxes, \$6.50
Nikoteen Liquid. 1 pt. bottle pkd., \$1.50; case of 10 bottles pkd., \$13.00. Always on hand. Shipped instantly. **U. CUTLER RYERSON,**
108 Third Avenue, -- NEWARK, N. J.

Mention the Review when you write.

PEERLESS SULPHUR BLOWER.

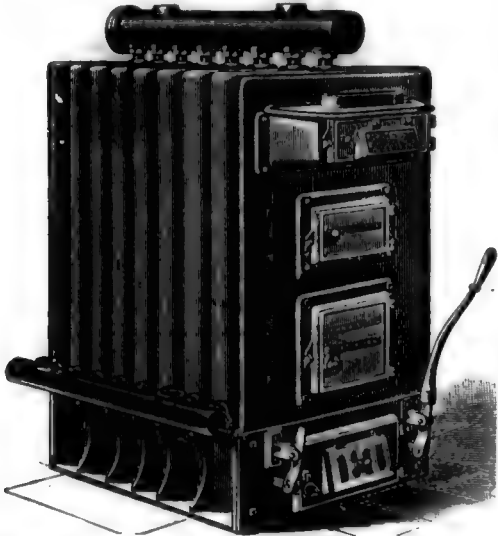
"A great improvement over the bellows."
Price, \$4.00 F. O. B. Chicago.

McMORRAN & CO., 15-21 N. Clinton St.,
CHICAGO, ILL.

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Greenhouse Boilers

SECTIONAL and ROUND.
STEAM or WATER.



Cast and Wrought Iron Pipe and Fittings.
ESTABLISHED 40 YEARS.

Testimonial

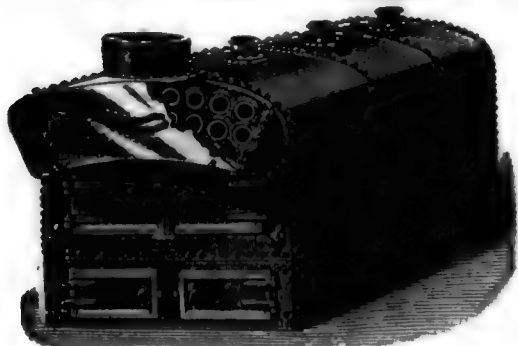
TOUGHKENAMON, Chester Co., Pa., Dec. 29, 1902.
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Yours very truly, ROBERT C. BANCROFT.

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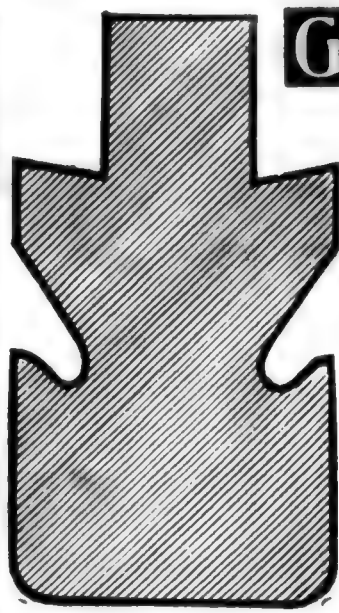
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A JOURNAL FOR FLORISTS, SEEDSMEN AND NURSERYMEN.

FLORISTS' PUBLISHING CO., 520-535 Caxton Building, CHICAGO.

Vol. XII.

CHICAGO AND NEW YORK, OCTOBER 15, 1903.

No. 307.

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MISCELLANEOUS SEASONABLE HINTS.



Roses for the Garden.

There is nothing you are more frequently asked for in the spring, and more rarely well supplied with, than bedding roses. Our people very properly want roses in their garden. This is especially the case with those who have a summer home by the lake or riverside, somewhere "far from the maddening crowd." The desire and liking for a summer home of a few acres is most properly pervading all classes, from the multi-millionaire who has his 1,000 acres and castle cottage, to the city doctor, who has a pleasant cottage a few miles out of town. The very rich, even if their tastes do not run to flowers, will have them for appearance sake, and the dwellers in less pretentious homes will be sure, by their environment, to imbibe a love for cultivating plants and flowers. They will find that many things they could not get to grow at all in the little, worn-out gardens of the city will thrive and grow in the pure air and new soil of the country. I can call to mind a dozen of our own citizens who have within a few years acquired summer homes and are now floricultural enthusiasts, who before that barely knew the distinction between a tea rose and a hollyhock.

These rural residents seldom go in for formal flower gardening. Beds of geraniums, carpet bedding, or long lines of coleus they don't care for. They want beds of roses, borders of herbaceous plants, clumps of grasses, flowering shrubs, etc., and that is a taste that is most essentially proper. Hybrid perpetual roses, the noblest of all the universal favorites, are sure to hold a prominent place in all such gardens. If you are asked to supply them now, don't do it unless you badly want to make a sale. I usually say: "Yes, they can be planted at the end of October or early in November, but you would have no pleasure from them this winter and would run the risk of losing many. Better wait until spring, when, if properly planted, there is no risk." This advice is invariably accepted. I am aware this is not the way a tree peddler would talk, but he belongs to a section of humanity utterly apart from the responsible nurseryman or florist.

Reliable Varieties.

In passing I will just say to any of you who have a few hundred good plants of hybrid perpetual roses in the field that you intend to lift and force for Easter, don't touch them yet; let a good frost ripen the wood. The second week in November is early enough to lift the Ramblers and within a week or two I will have something to say about the treatment of these roses from the time of lifting until they are brought into heat that I think is a very valuable hint to many. It was very valuable to me, which is why I think so. Fragrant, large, rich in color, as are the H. P. roses, it is a misnomer to call them perpetual, and when the middle of July is here their burst of bloom is over. Not so with the tea or

Bourbon roses, and that is the class we are so constantly asked for and, to repeat, too often poorly able to supply and, worse than that, unable to buy. I am not competent to give a list of all the everblooming summer roses. A man like E. G. Hill knows perhaps fifty varieties that would be very satisfactory and bloom constantly from June until hard frost puts them to sleep.

A few I do know from having grown them, and these belong to several classes. Ahead of all we must put the pink and white Mme. Cochet, and then comes Souv. du President Carnot, Duchess de Brabant, Admiral Schley, Perle des Jardins, Comtesse Breteuil, Eloile de Lyon, Marie Van Houtte, Mme. Joseph Schwartz, Marie Guillot, Papa Gontier and Sunset. Years ago we grew out of doors and cut by the armful those good old true tea roses that are so little heard of now, Bon Silene, Safrano and Isabella Sprunt. One hardly knows how beautiful is a bud of Safrano unless he has seen them growing in the cool month of October. Then there is the grand La France, which I suppose is a true hybrid tea, but is usually treated as a hardy hybrid perpetual.

A much longer list of summer blooming roses could be made, but even if you had but half a dozen of the best, you could satisfy a great majority of your customers; and if you want to grow for your own cutting, then by all means have a well-cared-for bed of the pink and white Cochet and a good lot of President Carnot. It is worth adding, for a few may not know it, that the grandest of our indoor roses, Catherine Mermet, and its still more valuable sports, Bridesmaid and Bride, are no success out of doors.

To Get Good Plants.

Now, there are more ways than one of having good plants of these garden roses to offer in April and May. They cannot be sold cheap; it takes time and space to produce them. There is a great distinction between the tea roses and the H. P. class. The latter lose their foliage in winter and completely rest, the same as our hardy deciduous shrubs. The tea roses may naturally rest partially in winter, where they are hardy, but they are evergreen and won't stand to be dug up and heeled in all winter in a cold frame or root house. They want light and, although their roots may not be very active in winter, some growth is going on. The cuttings of any of the roses mentioned above, taken from plants outside, will root readily now, in sand, with or without bottom heat. When rooted they should have a house that is from 50 to 55 degrees until the roots are active in the pot. After that they can be put into a cool house, no matter how cool. A few degrees of frost will do no harm. But remember that these tea roses are not hardy in our northern states. They will stand 15 or even 20 degrees of frost without harm, but you don't want to freeze them. Keep at from 35 to 40 degrees on cool nights. Now, from the time

you put them into the cool house until the middle of next February or the first of March they are partially resting. Then shift them into 4-inch pots and give them a light bench and a little higher night temperature, pinching off shoots where they want to send up a bud, and by the first of May you have a splendid bedding plant that will quickly start to grow and flower. Don't force them while under glass. Don't give them your rose house temperature of 56 to 58 degrees, or you will have a tender plant and mildew. Also try not to let them be over 50 degrees at night at any time before planting out. Now, this is no more labor than we put on zonale geraniums, and, although you may not sell one-tenth as many as you do of geraniums, you can get fifty per cent more for the roses and, I think, get more to the square foot. And the reason you don't sell more is because you don't have them and people who buy their geraniums and coleus of you send away to some catalogue man for their roses.

Lifting Plants in Autumn.

I was told three years ago that Mme. Cochet did not do so well, that is, flower so well from plants that had been lifted in the fall and wintered over as on young plants treated as I have tried to explain. This has not been convincing with me and I have seen two-year-old plants of Cochet and Carnot do splendidly. Your customers, ninety-nine out of 100, are taken with size and therefore if you have any roses of the varieties mentioned, lift them before a hard frost. Now they can be lifted, and with proper treatment they will be most captivating plants by next May. Here is just my experience with a few hundred Cochet and Carnot last winter, and all the other desirable summer blooming tea roses want just the same treatment. They were plants that had been put out the end of the previous May. They were microscopically small, not quite so small as the bacillus of generosity, nor yet the size of the germ of prevarication; that is, 500 would go into a cigar box. They were bought of a firm that raises 14,000,000 roses in the space where one-half a million might be, but they grew and flowered some. Their start was their handicap.

About the middle of October they were lifted, cut back to within four to six inches of the ground and potted firmly in 4-inch pots. You see they were small; larger plants would need a 5-inch. They were placed in a violet house where the night temperature was little, if any, above 40 degrees and sometimes lower. They did not wilt a leaf and soon had roots growing. There they remained with no shift until the following May, being given one or two moves to spread them out for more room. The warmth of spring brought them along, and by the first of May they were full of strong shoots and flower buds and we could have sold ten times the quantity. Everyone who saw them wanted some. Withal, it is a very simple but sure operation. Those who can not give them a bench in a very cool house can do just about as well with a good, tight cold frame, and those who don't happen to have any of these roses in the ground would do well to buy of some nurseryman a few hundred plants now and treat them as I have described.

In conclusion, I would like to hear from Mr. Gurney Hill as to what he would recommend as the best ten summer blooming tea hybrid, Bourbon or China roses.

WILLIAM SCOTT.

ROSES.

Seasonable Hints.

Those who contemplate using grafted stock for next season's planting should now make arrangements for the requisite supply of Manetti stocks, as it will soon be time to begin preparing these for work. If the stocks are home-grown they should be lifted and potted before hard frost sets in. The imported dormant stocks should be potted as soon as they arrive, so as to give them ample time to form good roots without having to resort to forcing, as they are very impatient of heat when they are first potted.

They should be put into 2½-inch pots, and where the roots are too large a little judicious root pruning will do them no harm. They should then be thoroughly watered and placed in a temperature of from 35 to 40 degrees. They will require very little watering between the time of potting and the time they are wanted for use, just as much as will keep the bark in a fresh condition. By this method they will form nice, fibrous roots, which will be ready to go to work on the first application of heat, while the eyes will yet remain unbroken.

To the manner in which they are cared for during this period can be attributed a good deal of the success or failure of the grafting operation. But as few growers care to begin grafting till after New Year's, I will reserve my remarks on this class of work till that season.

Now that the days are getting shorter and the afternoon sun dips so quickly, great care should be taken with the ventilation. The ventilators should be raised with every 5 degrees of raise in the tem-

perature of the house during the forenoon, until the maximum is reached, and they should be lowered with the same care and patience in the afternoon. Many a nice house of plants is brought to the verge of ruin by allowing the temperature to jump from 60 degrees in the morning to 75 or 80 degrees by neglecting this seemingly trivial detail, and then allowing them to drop from noon-day temperature to 60 degrees or below without any gradation.

Extra care in this matter and in properly gauging the supply of water necessary during the next few months will, or should, be one of the most important duties of the grower, as carelessness, ignorance or neglect will most surely lead to disaster. Exercising sound judgment in regard to syringing will save us from many mental worries. This is part of the work which in many places is considered part of the daily routine and which could be in a great measure curtailed. If the houses have been carefully attended to and the spider kept out during the summer months, there will be much less use for the syringe till the days begin to lengthen.

A careful examination of each bench two or three times a week will reveal the spots where spider has got a foothold and by paying attention to these spots spider can be kept from spreading. When it is necessary to syringe a whole house, or houses, always select a bright, clear morning and do the work thoroughly, keeping the temperature 10 degrees higher than the normal during the operation to prevent chilling, and giving plenty of ventilation till the foliage is again dry, even at the expense of an all-day fire.

RIBES.

standard pink for either commercial or exhibition purposes. I hope presently to get a photograph of this variety so that readers can form their own conclusions. I know of no pink that begins to compare with this in size and finish and the original owner of its name may well be proud to have such a variety called after him.

Wm. Duckham is a fitting mate for Thirkell, Lord Salisbury and other Australian varieties that were first brought to the notice of chrysanthemum lovers in America through these columns.

BRIAN BORU.

CHRYSANTHEMUM RUST.

I send herewith some blooms of Timothy Eaton chrysanthemum which are infested with a disease which I call rust. On the under side of the leaf you will see a spot which will appear on one leaf and quickly spread all over the bench. I tried to stop it by pulling off the leaves that were affected, but it did no good. I have not fired at night. Have been very careful in watering, in fact running them on the dry side. What is the cause and remedy?

F. H. M.

The correspondent is correct in assuming that the spots noticed on the under side of the leaves submitted, are the spores of the disease known as rust. The question as to what causes the rust is not so easy to answer. I first saw this disease about six years ago, and I believe it was imported from Europe on some varieties about that time. Since then it has cropped up more or less every year, but never assumed the seriousness here that it did in Europe. It seems to be more in evidence this year than usual, owing no doubt to the wet summer, as it spreads very rapidly in a moisture laden atmosphere.

The best remedy is to keep the atmosphere and the foliage of the plants as dry as possible. Pick off any foliage that can be easily spared and then spray with sulphide of potassium, proportions one ounce to two gallons of water. This will prevent the rust from spreading if the spraying is faithfully performed; that is to say, if every portion of the under side of the leaf is wet with the moisture. The sulphide can be obtained in any good drug store. Be sure to get the name right, as the sulphate of potassium is a different article.

The rust has often been spoken of in these notes, and how to keep it in check, as your correspondent will find if he looks up his back numbers. After the crop of flowers has been cut, look very carefully over the plants retained for stock and any time during the winter that a spot of rust appears spray the plants over, as now advised. By this means the rust can be cleaned out before another growing season.

BRIAN BORU.

CARNATIONS FROM POTS.

What advice would you give as to the benching of carnations out of 2½-inch pots?

S. W. C.

Just what course of procedure the correspondent has in mind is not altogether clear to me. His letter does not state clearly just what he wishes to know. Surely he does not intend to plant carnations on his benches taken from 2½-inch pots at this time of the year, for winter flowering, at least. That would be wasting room and labor most foolishly, as he could not possibly expect a decent



TWO STERLING NOVELTIES.

There are several of the novelties showing wonderful promise and two of these that are at this date, October 11, fully developed from early buds, are Cheltoni and William Duckham. I have in the past ten years seen many novelties come and go, but never have I seen a variety that showed more promise than do these. Cheltoni is the yellow sport of Nellie Pockett, having the same ideal habit of growth, and will be largely grown when it becomes generally distributed.

Nellie Pockett is a great favorite in the east and its large size and artistically curled petals always command attention. This yellow sport is a wonderful color. As a general thing when a white variety sports yellow the color is very pale and undecided, but Cheltoni is a clear, shining yellow as deep or deeper in color than Halliday. When Mrs. T. W. Pockett came out last year I thought it the most beautiful variety I had ever seen. Placed alongside of Cheltoni, Mrs. Pockett is poor by comparison and those who are growing this latter variety this year will appreciate the fact that this is a strong statement to make.

If any other growers have Cheltoni I hope they will give their experience with it to the public. One cannot hear too much about a new variety. Like its

parent, Cheltoni should be taken on the crown bud. The terminal bud is deficient in petalage. One bud this year was taken August 3 and it developed perfectly. Later crowns are showing just as well, but will be somewhat later to finish. A bud taken before August 20 is apt to be finished and gone before the exhibitions.

The other variety, William Duckham, is of Australian birth and is the most striking advance in its color since the days of Viviani-Morel. It is an incurving pink, showing deeper color inside the petal and under artificial light has a finish like the finest satin ribbon. I was prepared for a fine novelty in this variety, as it took the silver medal in Edinburgh last year, for the best novelty not in commerce, but it has gone away ahead of all expectations.

Imagine a flower eight inches across, perfectly shaped, with broad, massive petals, some of them almost an inch across, and withal a finish as fine as Merza at its best. The habit of the plant is ideal, a clean, strong grower, perfectly healthy and not a fault so far as I can see. One bud was taken early in August to test it on all kinds of buds and this bud is now developed. Later buds are showing up grandly and doubtless many who read these notes will see this variety at some of the eastern exhibitions. I predict for it in the future a place as the

cut of blooms before spring and as prices then would be on the decline he would not be able to realize enough from them to pay for his winter's work. If you want to plant carnations and you have only these young plants it will pay you to buy good field-grown plants from some reliable grower, of whom there are several advertising in the REVIEW. Lose no time in getting them planted, as it is getting very late and it will take skillful handling to get a fair crop of good blooms by Christmas. You need not throw those young plants away, however. Set them in a cool house or in a pit where they will live over winter and in the early spring plant them out for summer blooming. Repot into 3-inch if necessary, but keep them growing slowly and top them close right along to keep the plants compact. If S. W. C. wants directions regarding planting his carnations on the benches from pots in the spring, he will likely find them in these articles towards spring. I would advise him to propagate and grow his stock along much the same, at the beginning at least, as he would for planting in the field. The most up-to-date method (except for one or two varieties) is to plant out in open as early as possible and lift early in July. This gives the plants that strong, sturdy growth as a base to work on, while all the blooming shoots are grown inside and there is no check to the growth after the rapid fall growth commences.

A. F. J. BAUR.

PROFITABLE BUSINESS.

Do your customers know that you can execute orders for the prompt delivery of cut flowers or floral designs for any occasion, anywhere in the United States? Why not let them know? Such business is easily handled and affords a fair profit.

Many leading retailers display neat signs in their windows announcing that they can deliver flowers in any city in the United States for funerals or any other purpose. Another way would be to print such a sentence on bills and letter heads, or a neatly printed card might be enclosed in each package where the proprietaries would permit, or it might be mailed to your list of customers in the form of an announcement. As soon as it becomes known that you can deliver funeral pieces a thousand miles away at a few hours' notice you will have a steady call for such service.

The page of "Leading Retail Florists" which appears regularly in this paper affords the means of filling orders in every principal city in the United States. This page is open only to firms of known standing and whose equipment is adequate to meet any calls of this character. Most of them already do a considerable amount of business on mail or telegraphic orders.

WORK WITH VIOLETS.

There are several things that are conducive to good violets. In fact, the right conditions are necessary for success with all kinds of flowers, but especially so with violets, as they are more susceptible to poor surroundings than many other plants. One thing that we refer to is cleanliness. You may have heard me mention this before, but there is nothing aside from unfavorable weather conditions that is much worse for violets. A house with more or less weeds, dirt, rubbish and with only an occasional clearing out will surely develop diseased



The Vacant Chair. Prize Design made by J. S. Simmons, Toronto.

violet plants, and once disease gets a foothold in such a house and atmosphere, it spreads rapidly. In the above category of rubbish we would include all old or decaying woodwork, and this brings us to sow bugs or wood lice, which are always too much in evidence under the best of conditions, and unless you look over your houses with extreme care just about now, you will wonder why it is that the blooms do not come on faster, and why those you do pick are ragged and small. You should commence at one end of the house and go along regularly and systematically in order to find out where they are eating and their nearest refuge, so as to be able to apply your remedies where most needed, and while you will find that they hide in the roots at the crown of the plants, they also congregate more largely about any woodwork which is nearby.

There are a variety of remedies for their destruction, but on the whole, if used with care, we find that Paris green is the best. Take dry, coarse granulated sugar and mix just enough Paris green with it to color it nicely. Then put it in small piles where the bugs run and in little rings about the plants, and along near the woodwork that has to be in the house. Of course, you want to plan this so that you scatter it when the ground is quite dry and when the atmosphere is likely to be dry and clear for some time, for at the best the sugar

will gather moisture and dissolve, when you will likely have to renew your treatment, although two or three applications, if made thoroughly, will usually clear them out, so that you will only have to use this occasionally. Do not place this so that it will get on the flowers or leaves and after it is mostly dissolved, wash the residue into the soil with the hose when watering, so that no one may get poisoned.

As the sow bugs do their mischief in the dark, it is wise to put this on in the afternoon, so that it is in order for their supper, and you will generally find a goodly number dead in their tracks the next morning, besides those that are sick or dying but get to cover. You will also capture some of the centipedes, especially the round, hard-shelled ones, which I think also like violets, although I never could quite make up my mind exactly how much damage they do. But the sow bugs are unmistakably voracious eaters and are costly live stock to house and feed on violets.

With the weather that we have had, the violets from the field that I spoke of in my last notes have taken hold in nice shape and need no more shading, and would like to throw some blooms if we would let them. As I have remarked before, keep the houses well aired, night as well as day, no matter if you have quite a heavy frost outside. They will be much better in the long run. I do

ROSES.

Seasonable Hints.

Those who contemplate using grafted stock for next season's planting should now make arrangements for the requisite supply of Manetti stocks, as it will soon be time to begin preparing these for work. If the stocks are long grown they should be lifted and potted before hard frost sets in. The prepared dormant stocks should be potted as soon as they arrive, so as to give them ample time to form good roots without having to resort to forcing, as they are very impatient of heat when they are first potted.

They should be put into lightish pots, and where the roots are too large a little judicious root pruning will do them no harm. They should then be thoroughly watered and put in a temperature of from 35 to 40 degrees. They will require very little water, as the soil in the pot will keep them moist. The temperature should be gradually raised to 45 degrees, and the plants will be ready for work in a few weeks. It is important to keep the plants in a moist atmosphere, and this may be done by covering the pots with a glass or paper cover, and watering the soil frequently.

The plants should be kept in a moist atmosphere, and the soil should be watered frequently. The plants should be kept in a moist atmosphere, and the soil should be watered frequently. The plants should be kept in a moist atmosphere, and the soil should be watered frequently.

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perature of the house during the forenoon, until the maximum is reached, and then gradually lowered with the same object in view. In the afternoon, May and June, and July, is brought to the attention of the grower, the temperature should be kept from 60 degrees in the morning to 75 in the afternoon, and the plants should be watered daily, and the soil should be kept from 60 to 65 degrees in the morning and 70 to 75 in the afternoon.

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standard pink for either commercial or garden purposes. I hope presently to have a photograph of this variety so that you can form your own conclusions as to the merits of this variety. The original variety is a very fine one, and the original variety is a very fine one. The original variety is a very fine one, and the original variety is a very fine one.

BALAN BORN

CHRYSANTHEMUM RUST.

A severe and distressing complaint of the autumn chrysanthemum which are affected by rust. I call rust a very serious complaint, and it is a very serious complaint.

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TWO STEERING NOVELTIES.

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Note P. The plants should be kept in a moist atmosphere, and the soil should be watered frequently. The plants should be kept in a moist atmosphere, and the soil should be watered frequently. The plants should be kept in a moist atmosphere, and the soil should be watered frequently.

If any other growers have Chelton I hope they will give their experience with it to the public. One cannot hear too much about a new variety. Like its

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CARNATIONS FROM POTS.

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ut of blooms before spring and as prices then would be on the decline he would not be able to realize enough from them to pay for his winter's work. If you want to plant carnations and you have only these young plants it will pay you to buy good field-grown plants from some reliable grower, of whom there are several advertising in the REVIEW. Lose no time in getting them planted, as it is getting very late and it will take skillful handling to get a fair crop of good blooms by Christmas. You need not throw those young plants away, however, set them in a cool house or in a pit where they will live over winter and in the early spring plant them out for summer blooming. Repot into 3-inch if necessary, but keep them growing slowly and top them close right along to keep the plants compact. If S. W. C. wants directions regarding planting his carnations on the benches from pots in the spring, he will likely find them in these articles towards spring. I would advise him to propagate and grow his stock along much the same, at the beginning at least, as he would for planting in the field. The most up-to-date method (except for one or two varieties) is to plant out in open as early as possible and lift early in July. This gives the plants that strong, sturdy growth as a base to work on, while all the blooming shoots are grown inside and there is no check to the growth after the rapid fall growth commences.

A. F. J. BAUR.

PROFITABLE BUSINESS.

Do your customers know that you can execute orders for the prompt delivery of cut flowers or floral designs for any occasion, anywhere in the United States? Why not let them know? Such business is easily handled and affords a fair profit.

Many leading retailers display neat signs in their windows announcing that they can deliver flowers in any city in the United States for funerals or any other purpose. Another way would be to print such a sentence on bills and letter heads, or a neatly printed card might be enclosed in each package where the proprieties would permit, or it might be mailed to your list of customers in the form of an announcement. As soon as it becomes known that you can deliver funeral pieces a thousand miles away at a few hours' notice you will have a steady call for such service.

The page of "Leading Retail Florists" which appears regularly in this paper affords the means of filling orders in every principal city in the United States. This page is open only to firms of known standing and whose equipment is adequate to meet any calls of this character. Most of them already do a considerable amount of business by mail or telegraphic orders.

WORK WITH VIOLETS.

There are several things that are conducive to good violets. In fact, the right conditions are necessary for success with all kinds of flowers, but especially so with violets, as they are more susceptible to poor surroundings than many other plants. One thing that we refer to is cleanliness. You may have heard me mention this before, but there is nothing aside from unfavorable weather conditions that is much worse for violets. A house with more or less weeds, dirt, rubbish and with only an occasional watering out will surely develop diseased



The Vacant Chair. Prize Design made by J. S. Simmons, Toronto.

violet plants, and once disease gets a foothold in such a house and atmosphere, it spreads rapidly. In the above category of rubbish we would include all old or decaying woodwork, and this brings us to sow bugs or wood lice, which are always too much in evidence under the best of conditions, and unless you look over your houses with extreme care just about now, you will wonder why it is that the blooms do not come on faster, and why those you do pick are ragged and small. You should commence at one end of the house and go along regularly and systematically in order to find out where they are eating and their nearest refuge, so as to be able to apply your remedies where most needed, and while you will find that they hide in the roots at the crown of the plants, they also congregate more largely about any woodwork which is nearby.

There are a variety of remedies for their destruction, but on the whole, if used with care, we find that Paris green is the best. Take dry, coarse granulated sugar and mix just enough Paris green with it to color it nicely. Then put it in small piles where the bugs run and in little rings about the plants, and along near the woodwork that has to be in the house. Of course, you want to plan this so that you scatter it when the ground is quite dry and when the atmosphere is likely to be dry and clear for some time, for at the best the sugar

will gather moisture and dissolve, when you will likely have to renew your treatment, although two or three applications, if made thoroughly, will usually clean them out, so that you will only have to use this occasionally. Do not place this so that it will get on the flowers or leaves and after it is mostly dissolved, wash the residue into the soil with the hose when watering, so that no one may get poisoned.

As the sow bugs do their mischief in the dark, it is wise to put this on in the afternoon, so that it is in order for their supper, and you will generally find a goodly number dead in their tracks the next morning, besides those that are sick or dying but get to cover. Yes.

There are some other counterparts, especially the round, hard-shelled ones, which I think also like violets, although I never could quite make up my mind exactly how much damage they do. But the sow bugs are unmistakably voracious eaters and are costly live stock to house and feed on violets.

With the weather that we have had, the violets from the field that I spoke of in my last notes have taken hold in nice shape and need no more shading, and would like to throw some blooms if we would let them. As I have remarked before, keep the houses well aired, night as well as day, no matter if you have quite a heavy frost outside. They will be much better in the long run. I do

not think I should have mentioned this so soon again, as it seems like needless repetition, but my attention was called to this mistake by the lack of ventilation in a neighbor's house that I was in a few days ago. He was closing up tight at night, and leaving the house closed through the day when cloudy, so as to keep things warm, as he had not started up his fires yet. But in my estimation this is a poor way, very poor, to get ahead. I made no comment, as he has been in the business several years and ought to know better, but he will certainly see the effects later, and then if you were to talk with him I presume he would express wonder why he did not have better "luck."

R. E. SHUPHELT.

A MUSHROOM INDUSTRY.

The greater portion of St. Paul, Minn., is underlaid with sandstone. This rock readily pulverizes on being exposed to the wind and air, but hid beneath the earth's surface is as enduring as the everlasting hills. Many years ago vast caves were dug out of this rock, mainly for the purpose of storing beer. With modern methods for storing and "aging" beer, these caves fell into disuse, until L. F. Lambert, a few years since, conceived the idea of growing mushrooms in them. He has rented them in several sections of the city and now has over two acres of floor surface devoted to the industry, operating as the Minnesota Mushroom Company.

The caverns for the most part consist of groups of passages ranging in width from eight to twelve feet and in length from fifty to 300 feet, being from six to ten feet in height. Ventilation holes from the side or top are put in at convenient intervals, so that a proper supply of pure air is maintained in all parts of the cave.

While there are several hundred varieties of edible mushrooms found growing wild, but two varieties have yielded to cultivation and only one is generally

The mushroom requires a very even temperature for its development, from 55 to 57 degrees. The other cultivated variety known as *Agaricus subrufescens* will not thrive under 72 degrees.

The preparation of the beds, the planting of the spawn, the watering, etc., all receive careful attention. Stable manure is used exclusively for making the beds into which, after they heat and become properly decomposed, the spawn is planted at distances of twelve to fifteen inches each way and in four or five weeks after planting the mushrooms appear. At the proper stage of their development they are picked and shipped to market. In shipping light tomato boxes holding about two and a half pounds each are used. These are shipped in refrigerator shipping cases holding 100 pounds each, the most of them going to New York City, some to Chicago and other nearby cities.

Each bed lasts about three months from time of spawning until exhausted so that four crops can be gathered each year. After a bed is worn out the old material is all removed to make way for the new, and the process repeated. By planting at intervals a succession of crops is had throughout the entire year.

Mr. Lambert makes most of the spawn which he uses, and says he finds it superior to the imported article, which mostly comes from England and is annually imported in large quantities by the leading seedsmen.

Mr. Lambert informs me that St. Paul ships more mushrooms than any city in the country and also enjoys the distinction of shipping mushrooms every month in the year, a distinction unknown in any other city. He employs seven men throughout the year and ships one or more cases daily. Prices vary, but the average shipping price is 60 cents per pound. By contract with several of the leading livery stables he secures a constant supply of manure. During the winter

were visited last spring by Prof. B. M. Duggar, of Columbia, Mo., who is preparing an exhibit for the mushroom industry as a part of the display of the U. S. Department of Agriculture at the St. Louis World's Fair. Prof. Duggar was particularly impressed with the methods of Paul Swanson, on West Forty-seventh street, who was having good success by the use of wild spawn, gathered on the pastures and manufactured into bricks on the place. Some of this spawn was very prolific, some of it exactly the opposite. Prof. Duggar told Mr. Swanson of his experiments with what he calls pure culture spawn and the result is that Mr. Swanson is using nothing else this season. This spawn is grown direct from the best mushrooms, either from the spores or tissue in glass tubes in sterilized manure. It grows rapidly and is very vigorous. It has not yet been tried on a large scale but Mr. Swanson was so well pleased with his first trial that he decided to stake his season's business on it. One of the accompanying illustrations shows the stages through which the spawn passes, the cultures in the glass tube, the brick and the crop. The other picture show the first bed spawned with this material. The bed was of about 100 square feet and only four or five inches deep and was spawned at a very unfavorable season, June 1, when the weather was very warm. The picture was taken July 18, and in the next three days of cool weather forty-six pounds of mushrooms were picked.

A VIEW OF THE WEST.

BY EDWARD REID.

[The following is a synopsis of a paper read before the Florists' Club of Philadelphia, October 6, 1903.]

The convention recently held at Milwaukee was without doubt one of the best in all the history of the society. We might say that, geographically speaking, Milwaukee is one of the central cities of the United States, also of horticulture. Situated on the western shore of Lake Michigan, easily reached by railroads and steamboats, its beautiful streets, parks, business and residential buildings could not help but attract large delegations, as it is indeed "a bright spot."

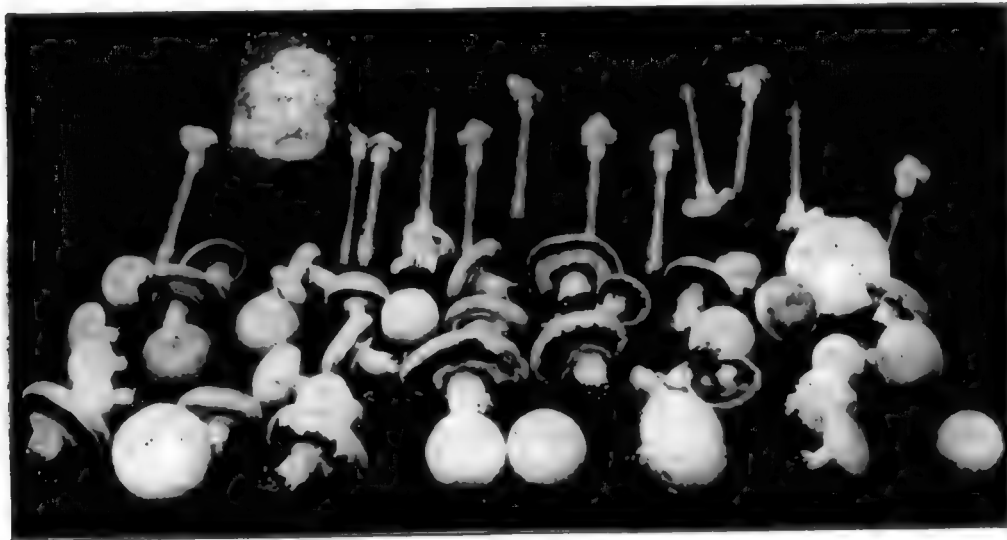
It will not be necessary for me to say anything in reference to the trip of the delegates from this city, for with Westcott in charge we would feel this a sufficient guarantee that every one would be amply cared for. On the arrival of the delegates at Milwaukee, contrary to past experience, everything at the convention hall was in ship-shape; and much credit is due to the committee on arrangements.

The opening session was well patronized and every seat was occupied long before the opening hour. This, in itself, was indicative of the interest taken. The address of Mayor Rose was very appropriate and many of his remarks evoked laughter and applause. Unfortunately his remarks with regards to security of life and property were not fully justified, as some of the delegates realized afterwards. Had they not received such assurance it is possible they would have been on their guard; but, Mr. Mayor, we know your intentions were good.

President Burton's address was brief and to the point. After recounting some of the drawbacks encountered by the trade during the past season, he made some valuable suggestions for the future. To my mind his advice as to conservatism in greenhouse construction, which is growing all over the country, and especially in the west, and his counsel to hold something in reserve for the proverbial rainy day, was a good one.

The trade exhibits seemed to be a special feature and far surpassed all previous efforts both in number and variety. I believe that the trade was represented almost from ocean to ocean and as far south as Georgia. I could not begin to enumerate or define all the exhibits; suffice it to say that there was every requisite for greenhouse construction, heating and ventilating. Every representative was ready and willing to point out the advantages of his special display.

One apparatus which struck me as unique was a pot washer. It was operated by foot-power and was equipped with all sizes of brushes, cylindrical in form and could be easily adjusted for all sizes of pots. Its simplicity ought to commend itself to any one having use for a machine of this kind.



Various Stages in the Use of Prof. Duggar's Pure Culture Mushroom Spawn.

used, this being known as *Agaricus campestris*. There are, however, several types of this. One, a pure white, is most beautiful and most delicious, but bruises easily and discolors at the slightest touch, so that it is not suited for shipping. Another variety is a terra cotta color, another a brown, both of these sorts having a tougher outer skin than the white sort, and being superior for shipping purposes.

months the caves are heated by stoves to maintain the proper temperature.

X. Y. Z.

SCIENTIFIC SPAWNING.

Chicago has some of the largest mushroom growing establishments in the country. Gray and Jackson each had about 200,000 square feet in beds, and there are many others, several of whom

The exhibition of foliage plants was exceptionally large, but as you will remember I am a cut flower commission man, and cannot be expected to enumerate or designate them by their botanical names, like our friend Mr. Carmody spoke of; however, they presented a very fine appearance, notwithstanding the fact that many of them had been shipped extremely long distances. One very creditable display came from Savannah, Ga.

Every representative seemed very well pleased with the amount of orders received, and I believe most all the plants on exhibition were sold to local florists. Now, this I consider beneficial to both parties. It gives the grower an opportunity to show what he grows, thereby advertising his business in the future; and when he is able to dispose of his plants in this way it saves him the trouble of repacking and paying express or freight charges back. The purchaser is also equally benefited, as it gives him an opportunity to see what he is buying and also saves transportation charges from point of production.

This is one of the strongest arguments why every florist should attend the convention. No matter what branch of the business he is engaged in, he will always find something of interest. He, no doubt, will find it beneficial as well as a pleasure.

The amount and variety of florists' supplies shown surpassed everything of previous years. One firm exhibited enough ribbon and other supplies to apparently stock a wholesale establishment; although one of their representatives told me that it was necessary for them to make such a display in order to fairly represent the stock on hand. Could any of us have contemplated fifteen or twenty years ago such an evolution in the business as we see today? And it is growing steadily on. Every one who does not keep up with the march of progress will sooner or later fall by the wayside.

The rule adopted in closing the exhibition during the business sessions was a good one and gave the sergeant-at-arms an opportunity to display his powers of discipline. Every one will agree that he performed his part well; which was no doubt largely responsible for the large audiences during each session. Matters of vital interest to the trade were discussed and listened to with great interest. Violet culture was very broadly dealt with by G. F. Crabb, of Grand Rapids, Mich., in which he minutely detailed his experience, his mode of treatment and the results derived therefrom. This was done for the benefit of his brother craftsman, which certainly shows a generous and unselfish spirit. Now, can't some one discover the true cause and remedy for stem rot in carnations, and give it to his brother florists in the same way? With the experience of last winter in our minds we were all interested in the paper relative to the substitutes for coal and their relative efficiency and cost, but it all resolved itself into the matter of either burning coal or wood, as most other substitutes are dependent on the former.

To my mind the qualities of the lignite was underestimated. This coal when first introduced was not a success, but in stoves and ranges especially constructed for its use it makes a very satisfactory substitute when hard coal cannot be had or its price is prohibitory.

The remarks of Mr. Altick in reference to the observation of January 29 as carnation day, in memory of the late President McKinley, should receive our individual attention and should appeal to our love and patriotism for one whose gentleness has made him great. Had it been feasible I should liked to have seen the S. A. F. as a national organization go on record as having contributed a substantial amount to the memorial fund, as it is now we must do it individually.

The discussion as to the best methods of keeping cut flowers was omitted in Thursday's programme. This, I think, was a great mistake, as no doubt the proper methods are a vital matter to the majority of the trade, as all our energies should be directed to have our products reach the hands of the consumer in the best possible condition. In many cases this can only be accomplished by open discussion and an exchange of experiences. I would suggest that this and the cutting, packing and shipping of cut flowers should receive attention at future conventions. The selection of St. Louis for the next convention was a good one. With the World's Fair and the horticultural display promised, the meeting should be a record-breaker.

The bowling tournament was one of the most exciting incidents and the most warmly contested since this popular amusement became a feature of the conventions. Much betting and big odds on the results was the order of the day, and not a few were surprised when they learned that the laurels went to the old Quaker city. But, boys, lookout; you are promised a lively time at St. Louis. Possibly these people do not know what they are up against.

The shooting tournament at the South Side Gun Club was one of the most pleasant features of the convention. The arrangements were all that could be wished, and while no records were broken, quite a few targets were disabled, although many of them escaped. Many and useful prizes were given for the contest. The writer is a recipient of two, which he will ever cherish with pleasant recollections of Milwaukee. At the conclusion of the contest Mr. Scott, of Buffalo, in his own inimitable manner, made a few appropriate remarks, thanking Mr. F. S. Schmelling, of the



First Bed of Mushrooms Grown from Pure Culture Spawn.

Milwaukee Florists' Club, whose untiring efforts were put forth in making it a success, and contributing to the pleasure of all. Mr. Schmelling responded in a few well chosen remarks, saying that it was one of the greatest pleasures of his life to feel that he had been instrumental in giving pleasure to many. After three hearty cheers were given for him and the Milwaukee Florists' Club, all returned to the city, to be charmed by the witticisms of Mr. Carmody on the humorous side of the florists' business.

During our stay in Milwaukee the weather was all that could be desired. Friday morning at 9:30 the delegates boarded a boat on their way to Chicago. The crisp morning air from the water stimulated our appetites, which were satisfied by a unique lunch, every one being furnished with a small basket containing every requisite that goes to satisfy the inner man, and with the genial good fellowship that prevailed minded us of a basket picnic.

On arriving in the windy city we were taken in charge by the Chicago Florists' Club. Every one is familiar with the hospitality and entertainment extended by this organization. Saturday was devoted to sight-seeing and visits to the different establishments nearby, and the magnitude of the undertakings seen made the hair stand on the heads of some of the more conservative men from other states. Instead of an additional house or two being erected, as is the case in the east, whole ranges of glass are added here. No wonder President Burton counseled moderation along these lines. This about concluded the outing, and no one had any cause to regret their visit to the convention, but, on the other hand, would go home thinking it was money well spent, and be benefited by the knowledge acquired.

The writer, instead of going home, took Horace Greely's advice and turned his face westward, leaving business and cares behind. I have been requested to make a few remarks about the west, but as my stay was entirely in a farming and stock raising locality there is nothing I could say which would be very interesting to a florists' club. I will, however, make a few remarks, and if you get disgusted you will have to hold George Watson responsible.

Leaving Chicago over the Rock Island road our way led through a fertile farming country. We passed through several flourishing towns. For a good part of the way the road ran parallel to the canal that connects Lake Michigan with the Mississippi river, which we crossed at Rock Island, into Davenport, Iowa, the great corn country. Night had overtaken us here, shutting off further observations. Albert Lea, Minn., a flourishing city, was reached early next morning. After passing through several towns we reached Northfield, Minn. This place has gained notoriety, as it was here that the bandit kings, known as the Jesse James' gang, met their final defeat some years ago. The outlaws entered the town about midnight and proceeded to take charge of the deposits of the bank. The ire of the citizens was aroused at the bank being opened out of business hours, and so pronounced was their protest that when the smoke cleared away the street in front was filled with dead men and dollar bills. Almost the entire gang was either killed or captured.

That evening brought us to our destination, Courtenay, N. D. Farming and stock raising are the main industries in this locality. The principal crops grown are wheat, oats, barley and flax; the latter for seed only, which is used to make linseed oil and other products,

but of late a tow mill has been erected to manufacture the fiber, which is largely used in upholstery. Harvest is a very interesting season for any one to visit the northwest. I have seen in one field eight binders following each other in rotation. The fields under cultivation vary from a half to four miles long, and differ in widths. Wheat yields according to the season from fifteen to forty bushels per acre; oats and barley from forty to sixty, and flax about fifteen; the latter ranging in price from 90 cents to \$1.35 per bushel; oats about 30 cents and wheat from 50 cents to \$1; the latter price is exceptional.

Just as soon as the grain is all cut and weather permits, they begin the threshing. This in itself is very interesting. A threshing outfit consists on an engine and tender, a separator, water wagon and dining car, and costs about \$3,000. A crew from twenty to thirty men is required to operate it, and will thresh, clean, grade and deliver in the grain wagons which are waiting to receive it, from 1,800 to 3,200 bushels of grain per day. Every thing works automatically. The engines are of the traction type, furnishing their own motive power from place to place, and haul the other itineraries behind. Straw is the fuel used to generate steam. The straw is emitted from the separator from what is called a blower through a long funnel or pipe, which swings in any desired direction. The crew is boarded in the dining car, and the chef is paid from \$4 to \$5 per day. In most cases the straw is burned where it lies.

Horses and cattle stay outdoors during most of the winter, and the blizzards which we hear so much about are the exception rather than the rule. Wild roses and orange lilies bloom in abundance in the summer, all over the prairies.

Contrary to the general idea, the prairie of North Dakota is rolling, and not a level plain as many picture it. The soil is a rich black loam varying in depth from six to eighteen inches. All kinds of vegetables can be produced in abundance, with the exception of tomatoes, which do not ripen before the early frost. The potato crops, I think, are the finest I have ever seen, and rot is never known there. Field corn grows to the height of fifteen feet, but is not cultivated to any extent on account of the early frost, which comes about September 1. No fertilizer of any kind is ever used. At intervals of, say, four to six years, the land is allowed to lie idle and summer-fallowed for one season. Crops in land treated this way are always good the following year. Some years ago close to the city of Jamestown I saw a notice which read: "All persons are prohibited from dumping manure on this land." The general aspect of the country is an interesting study. It is entirely treeless, except around the streams and lakes, or where they are grown under cultivation. In several places it was intersected by ravines, which are commonly called coolies. These bear unmistakable signs of being immense rivers at one time, but now they are perfectly dry. Along the bottom are found plenty of shells and fossils supposed to have been fish bones at one time. Here and there are large stones or rocks penetrating through the ground, the surfaces of which are smooth as glass, from being used as a rubbing stone by the buffaloes, which inhabited that country in immense numbers some years ago, but are now entirely extinct, through the laxity of the game laws which then existed.

Water is to be had in abundance from wells running twenty to forty feet deep. It is induced to the surface by mills whose propelling

power is wind—a local product, which can always be had in any quantity desired. On large ranches, where a great many of these mills are used, they present a picturesque sight when seen from a distance, with their white fans glistening in the sunlight. It reminds one of a field of overgrown Easter lilies. The water is impregnated with alkali, and not suitable for laundry purposes. It is also very disagreeable to the taste, but I was told that I would get used to that. The same thing is said in reference to getting hung, but I think this is a poor argument, because by the time one becomes accustomed to it they are not in the condition to enjoy it. Bain water is used entirely for cleansing purposes.

Land values have increased from 200 to 500 per cent within a few years. All government lands have already been taken up, and none can be secured unless purchased from an individual. The population consists mostly of farmers who have moved from states farther east, principally Michigan, Wisconsin and Iowa. Substantial farm homes with modern conveniences are taking the place of the claim shanties of years ago, and an air of prosperity seems to prevail in the locality. It is very gratifying to see that the people who went out there and suffered the hardships and privations are now reaping the rewards of their labors.

North Dakota abounds in small game, such as prairie chicken, wild ducks of all kinds and jack rabbits. Hunters always drive over the prairies in wagons, but in a few instances I have seen the automobile used as a substitute.

The lakes and streams abound in fine fish and afford rare sport to the angler. The principal fish are the yellow perch, pike and pickerel. The latter is very gamey and would no doubt appeal to the taste of Com. Wescott. Wild geese years ago could be found there by the thousands, but of recent years very few have made their appearance. Foxes, badgers and wolves are numerous. Taking everything into consideration, I would say that North Dakota is a sportsman's paradise (as well as the bread basket of the world, as it is often called). At least this was the writer's experience after a very enjoyable visit.

THE POT WASHER.

One man to whom the grower, or at least the grower's helper, should be grateful is our old-time friend, C. E. Finley, of Joliet, the lawn rake inventor, who has recently come forward with a pot-washing machine which has proven a great labor-saver in practical operation. The machine was shown at the S. A. F. convention at Milwaukee and probably attracted more attention from the growers than any other one exhibit in the hall. The machine is simple in its construction and is built to run either with foot power or a small, inexpensive electric motor.

The pot washer has a hollow brush, carried on a hollow shaft, and is made to revolve rapidly; is provided with a hose connection, the water allowed to pass down through the hollow shaft and out at the end of the brush, while the brush is in motion. The brush and shaft being on an incline, the water flows down to the bottom of the pot, where the brush can pick it up to scrub the inside and bottom of the pot while it is held on the brush by the operator. The outside of the pot is washed by reversing it. The pots having been soaked, a small amount of water is required and there is but little slop. The brush is made of fiber, and is cylindrical in shape to fit the pot. The inventor says in his literature that with the machine one can easily wash 2,000 pots a day; growers who have tried it have been able to wash 10,000 a day with a man at the machine and two boys to bring and carry away the pots.

Another of Mr. Finley's devices is a mulch truck, a three-wheeled deep box built for use in the narrow walks of a greenhouse.

PITTSBURG CLUB EXHIBITION.

At the regular monthly meeting of the Pittsburgh and Allegheny Gardeners' and Florists' Club Tuesday evening, October 6, we had a big attendance of members and a magnificent display of cut flowers. Four new names were proposed for membership. Among our visitors were Prof.

H. W. Fisher, superintendent of the seventeenth ward schools of Pittsburg, an ardent lover of flowers, and Dr. W. R. Hamilton, ex-president of the Botanical Society of Western Pennsylvania.

We had extravagantly generous displays of cut flowers of late-blooming, hardy perennials from Henry A. Dreer, Philadelphia, of new cannas from Conard & Jones, West Grove, Pa., and of dahlias from F. R. Pierson Co., Tarrytown, N. Y.; R. Vincent, Jr., & Son, White Marsh, Md., and from W. P. Peacock, Atco, N. J. Among home growers, Gus and Julius Ludwig showed dahlias, John Bader lily of the valley, and Schenley park a miscellaneous assortment of flowers. In fact, so vast was the aggregation of beautiful blossoms that the club determined the proper thing to do on such an occasion would be to get a hall and make a public exhibition, free to everybody, and



this is probably what will be done next year.

In the afternoon the flowers had been arranged on long tables around the hall and each exhibit kept by itself. In the evening a long table was set in the center of the room and on it were placed all of the flowers from one exhibitor. Then the flowers were separately examined and thoroughly discussed. When finished, this exhibit was cleared away to one of the side tables and the next exhibitor's flowers set on the center table, and so on until all were seen and considered. Then, after the meeting, each newspaper reporter got a big bunch of fine flowers to carry home to his family; so did each of our visitors, and the remainder were apportioned among the members. And going home along the street and in the cars didn't we make a sensation with our arms full of dahlias and cannas! On the car I had to open my bunch and give a bloom to every man and woman in the car and to the conductor too, and before long we were all acquainted and all talking flowers.

Henry A. Dreer's exhibit came first upon the table and it was an eye-opener to most of us. It contained such subjects as bloom naturally in the late summer and fall months and comprised three colors of Japan anemones, the red, the rosy Queen Charlotte and the white Whirlwind, also rosy purple long wands

of the blazing star (*Liatris pycnostachya*). By the way, some of our florists, at the time of the Milwaukee convention, saw a florist's window in Chicago with a full decoration of one of the liatris and described it at our September meeting as being one of the most striking things in the flower line they had seen on the trip. The ageratum-like *Conoclinium coelestinum*, one of the tall, blue-flowered veronicas, *V. maritima*; the narrow-leaved Texas ironweed (*Vernonia Lindheimeri*), several kinds of rudbeckia, and a fine form of the elegant little cone-flower, *Lepachys columnaris*, were also shown.

This year Dreer's people made a special seed novelty of *Stokesia cyanea*, a beautiful thistle-like composite with very large, bluish-purple flowers. Although I have grown this plant for thirty years, I never before saw it in such fine form as it was shown at our meeting. Everybody was in love with the long, branching, wand-like, snow white spikes of *Actaea Japonica*. Even Mr. Randolph whetted his lips when he thought of the effect of this flower in some decorations. And there were sprays of sea holly, Chinese-blue larkspur, the tall blue lobelia, a bunch of the elegant *Pennisetum Ruppelianum*, the late blooming exotic *Aster Tartaricus*, and an exceedingly floriferous form of our *Aster cordifolius*. *Tricyrtis nigra*, a Japan perennial with partridge-colored flowers, was extra fine; it is one of our latest blooming plants. And there was a profusion of blue spiraea, *Caryopteris Mastacanthus*, showing how useful is this plant for September and October work. Although not quite hardy, under a heavy mulching it survives fairly well, and if a few plants are lifted and brought into a cold frame now and kept over winter, they may be brought into heat a little later, when they will start into free growth and then they may be propagated from cuttings almost as readily as coleus. They bloom the first year from seed.

Another of Dreer's flowers was the showy, rose-purple *Echinacea purpurea*. Henry H. Negley told us that he chewed some ripe seed of this plant once and his tongue became partially paralyzed. He then called the attention of his neighbor, Dr. Shafer, to the fact and the doctor tried it, with the same result. A big bunch of fiery pokers or torch lilies, *tritoma*, or *kniphofia*, as they are now called, set the boys agog. They were mostly *Pfitzeri* and *corollina*. Some urged that they would be of no use in smoky Pittsburg; the soot in the atmosphere would blacken them to unsightliness; whereupon the president took another bunch that had come from Schenley park, which is in one of the sootiest parts of the city, and at a little distance the members couldn't tell the difference in brightness between the torch lilies of Pittsburg and those of Philadelphia. One of the prettiest Schenley flowers was the perennial scabios, *Scabiosa caucasica*. It is easily raised from seed and keeps in bloom until hard frost stops it.

On account of wet and stormy weather and the lateness of the season the cannas throughout the country were in poor condition. We didn't expect to have any, but we were most agreeably surprised. Antoine Wintzer, of Conard & Jones, West Grove, Pa., stopped over here on his way to the S. A. F. convention and told us of his success in breeding these indispensable flowers and promised to show them to us at our October meeting, and he did so magnificently—a great

bunch of each variety. Mont Blanc is a white-flowered canna and no doubt the whitest known canna. It is very striking. And Buttercup is the purest and brightest yellow canna and of excellent substance. It is also a fine winter bloomer in the greenhouse. We saw it in glorious form in Pierson's greenhouses, at Tarrytown, last winter. Niagara has full, bold spikes of rich crimson flowers, broadly edged with gold. This is an exceptionally fine canna. Brandywine has intense crimson-red flowers. Cherokee was still darker and more vividly glowing. Duke of York has very large, deep crimson petals edged with yellow, throat tinged white. Betsy Ross is a light salmon-pink and so distinct and striking that the learned Prof. Fisher had to get right up in meeting and tell us all about the original Betsy Ross, who she was, the flag she made and where she lived. Among the others were Hiawatha, big rosy pink, and fine bronze foliage; Evolution distinct, yellow, shading pink; West Grove, very large coral pink, and Gladiator, extra large yellow blossoms spotted with crimson.

Schenley park contributed a large showing of its standard varieties, such as Henderson, Bouvier, Yellow Crozy, Kate Gray, Florence Vaughan, J. D. Eisele, Defender, yellow and red, one of John Jones' greatest favorites, and several others.

About a hundred varieties of dahlia were represented in the several collections and these included cactus-flowered, large-flowered show sorts, fancy, pompons, single and crested, and all were surprisingly beautiful. Mr. Pierson's lot was strong in vivid and variegated cactus flowers, the Peacock lot in large show flowers and the strangely crested beauty, President Viger. The Vincent group was the largest and Mr. Vincent came himself all the way from Maryland to tell us how to grow dahlias, held the floor for half an hour and has promised to come back again. Gus and Julius Ludwig had several vases of fine, showy blossoms, especially of their type of A. D. Livoni, which they call Ludwigiana.

Mr. Vincent mentioned the following sorts as being extra good: Patrick Henry and Grand Duke Alexis, white; Mrs. E. V. Hallock and Arabella, yellow; Mrs. Bennett, scarlet; Earl of Pembroke and Eureka, pink; Fern-leaved Beauty, Frank Smith, Maid of Kent, Apple Blossom and Mrs. Langtry as fancy sorts. Among pompons he named Fairy Queen and A. D. Livoni, pink; Elphin, white; Sunshine, scarlet, and Miss Louis Kramer, fancy. Comtess of Lonsdale, salmon pink; John Welsh, crimson, and Austin Cannell, purple, he said, were fine cactus varieties.

WM. FALCONER.

NEW YORK.

The Market.

When I wrote a week ago of October weather and sunshine we were at the close of the ten most charming days of the year. But since last Wednesday we have had the longest and worst storm ever known around New York, as you have seen in the daily papers. The injury to the florists is great and the destruction in the parks is widespread. On Monday night it is still raining. The rivers are all above their banks and the dread of further catastrophe remains.

Many of the growers from Jersey and up the Hudson were in the city on Saturday hours before their shipments arrived. Nyack goods were still on the

road at 6 p. m. and Dorrenceton roses were not in at four in the afternoon. These are only samples of the general disappointment, and yet enough stock had arrived to flood the wholesalers and a general air of depression prevailed. Prices were at low ebb and the demand unnoticeable, while on every hand the chrysanthemum was abundant. What will it be when the autumn queen really begins to assert itself? Prices have no stability. Everything shared last week in the general slump, with the possible exception of the highest grade of American Beauties. Dahlias are now relegated to the rear and asters are but a memory. Violets stay at 50 cents for the best in the market and are abundant. Thousands of the second and third rate stock are on the street.

Club Meeting.

The last meeting of the New York Florists' Club was held June 8, so that the first meeting of the new season, October 12, was very much like a reunion. About forty members attended and a more interesting meeting has seldom been held. The next meeting occurs November 9, the day before the opening of the great chrysanthemum exhibition here, and, as tickets to the flower show will be distributed to every member present, timely notice is hereby given, so that none will be disappointed. In addition the entertainment committee announces special features for that evening that should insure an attendance of at least 150 of its membership of 230. The new rooms are perfect and the club has never been so efficiently housed or conveniently located.

The outing committee reported a total expenditure of \$888 in providing the splendid success of the summer holiday, a considerable excess of receipts over expenses. General satisfaction was expressed and a commendatory speech by Mr. Sheridan was followed by his own report of the transportation committee, which Mr. Wallace took occasion to also commend. In Mr. Weathered's final report of the flower show of last year it was announced that almost the entire guarantee fund had been collected. Four nominations for membership were made, and President Troy then called upon Alex. Wallace for his impressions of the S. A. F. convention. Mr. Wallace paid a fitting tribute to its benefits and accomplishments, the important committees that were appointed, the large attendance, and the immensity of its trade exhibits, which he characterized as the finest that had ever been seen at any convention in his experience. He dwelt eloquently upon the delights of the boat trip and the generosity of the Milwaukee and the Chicago florists, closing with the assurance that it will "go down in history as the finest convention the S. A. F. has ever enjoyed."

Mr. O'Mara followed in a practical review of the convention from the moment he placed his destiny in the hands of the efficient transportation committee until the draughts and breezes of the Cream city placed him hors du combat and forced him to return home minus the closing ceremonies and festivities. He dwelt humorously on the up-to-date character of Milwaukee and its ability to take "time" by the forelock, as demonstrated in the theft of so many watches from the society's members. His disappointments included the club's bowling record, but he found occasion for comfort in the fact that the three highest scores compared favorably with those of

any team in the tournament, and the grand record of 3,041 made by the New York team some years ago, which still stands unbeaten and five pins ahead of all competitors since the society was born. He was delighted with the Milwaukee parks, especially the aquatics and hardy perennials. He gave an interesting criticism of the president's address at Milwaukee, referring to labor unions, the peony committee, and the coal strike. He also dwelt upon the benefits which had developed as a result of the Asheville convention and upon the wonderful success that had been accomplished by the Milwaukee florists.

Mr. Du Rie told of the enjoyment which the convention afforded him, of the beauty of Milwaukee, the pleasure of his visit to Joliet, and his surprise at the changes that had been wrought in Chicago since his last visit before the fire.

Fred Kelsey gave a very interesting address on the inside history of the great coal strike, with which he is thoroughly conversant. The club moved a vote of thanks in recognition of the unexcelled courtesies of the Milwaukee and Chicago florists, which was unanimously applauded.

Messrs. Lenker, Scott and Duckham were appointed a committee to pass upon an exhibit of seedling dahlias by H. Beaulieu, of Woodhaven, and accorded that gentleman a vote of thanks.

Arthur Herrington gave an interesting address concerning the chrysanthemum show to be given jointly by the American Institute of New York and the Chrysanthemum Society of America, November 10, 11 and 12, in the great hall at the top of the immense Macy building. He spoke enthusiastically of the prospects of this, the only flower show in New York this year, and said its success was already assured, as the co-operation of ten regularly organized horticultural societies had been promised, including those of Massachusetts and Pennsylvania and every society of importance near New York city. The premium lists are large, tickets exceeding 25,000 are already printed and in his own words: "It will be an exhibition of chrysanthemums such as the world has never seen before."

Mr. O'Mara spoke favorably of the flower show, the interest which the club would assuredly take, and the desire that it would be continued under such auspices for many years to come.

H. Beernaert, of the Grands Etablissements d'Horticulture, of Belgium, was a visitor, chaperoned by Fred Atkins, and spent at the club his first night in America. Several of the members who had visited Europe during the summer were present, but the modesty of the president, who was one of them, and the lateness of the hour, postponed the foreign impressions until later in the season.

Various Notes.

Sidney Nash, son of J. Nash, of the firm of Moore, Hentz & Nash, and book-keeper for this company, has decided to anticipate a cold winter and has gone into the woolen goods business with his brother-in-law. His brother, Arthur, just home from England, will take his place. Gommersall, of Nyack, is shipping fine begonias to this house.

Leach Bros., of Jersey City, have a good assortment of early 'mums in 6-inch pots at John Young's, including Crema, Polly Rose and Glory of Pacific.

Ernst Asmus is still quite ill, after a rally that led his friends to hope for a speedy and complete convalescence.

R. W. Perkins, son of J. J. Perkins, has had a relapse and is suffering from pleuro pneumonia. His condition is serious.

Edwin Weathered has retired from the firm of Thos. Weathered's Sons, the greenhouse builders, and Chas. B. Weathered will have charge of the business as formerly.

Visitors have been numerous the past week, among them W. P. Craig, of Philadelphia; A. M. Murdoch, of Pittsburg, and F. C. Weber, of St. Louis.

H. H. Berger & Co. report the best business in French and Dutch bulbs for many years. Those who are waiting for low prices, they say, will be disappointed. There is no surplus to draw from this year and the supply of Paper Whites is exhausted. The new crop of kentia seed is on the way from Australia.

Mackintosh has recovered from a hospital experience that involved an operation.

The sympathy of the trade is felt for Chas. Thorley, the Broadway florist, in the loss of his daughter.

Arthur Merritt, of J. H. Small & Sons, has returned from Hot Springs, Va., and Washington, where some notable weddings claimed his attention, especially the Fuller nuptials. A beautiful autumn effect was produced by the decoration of the entire church in oak foliage. Eight bells were hung over the chancel with white satin drapery, Clematis Virginiana as a background adding greatly to the picture. The decorations for the dinner to the Ancient and Honourables of London, at the Waldorf-Astoria on Friday evening was an elaborate affair. The walls were covered with flags intertwined with oak garlands, the tables decorated with oak leaves, American Beauty roses, chrysanthemums and other seasonable flowers. October weddings seem to be numerous and fairly well distributed. Thomas Young, Jr., has three of them this week, and hardly a prominent retailer has been overlooked.

Arthur T. Boddington is rejoicing in his initiation into the mysterious responsibilities of fatherhood. As is the usual custom, the stork's first visit brought a handsome girl baby.

John C. Daly, of Daly Bros., Granton, N. J., and Miss M. McCarty, of New York, were married September 29. It has been a great year for marriages among the florists and "there are others" to follow.

It is rumored that another firm of auctioneers is soon to enter the field now covered so eloquently by Mr. Elliott.

Alex. McConnell, of Fifth avenue, is doing his share in October weddings. On Wednesday he has the church and house decoration for the Iselin-De Neubille event. The Church of the Incarnation will be turned into a bower of 'mums, wild smilax and Kaiserin roses. Everything will be in white and the same scheme will be followed at the house. Asparagus plumosus will be used largely in the drapings. The next event will be the marriage of the Rev. Dr. Williams and the daughter of Congressman Little. Bouquets and baskets of jasmine, violets and cattleyas will be provided, and the bride's bouquet will be lily of the valley. Then comes the Olney wedding, with house and church decoration, and on October 19 the Allen nuptials. Siebrecht & Son, Hodgson, Stumpp, Hauft, and, in fact, every florist of standing in the city has his share of these October festivities.

J. AUSTIN SHAW.

PHILADELPHIA.

The Market.

The heavy storms of last week had a serious effect on business, cutting down the quantity of flowers, injuring their quality and cutting off shipments altogether from Burlington, N. J., and some other places. Brides and Maids suffered severely, many poor flowers coming in. Carnations are more plentiful. Lower prices rule, especially on colored varieties. Chrysanthemums are increasing in numbers. Many fine flowers are seen, chiefly white and pink, both colors very useful in filling the heavy demand for wedding orders this week. Orchids and valley are both of extra fine quality. Sweet peas have made their appearance, E. Bernheimer receiving shipments of both pink and white. Violets need bright sunshine and cool weather to add finish. Tritomas are in fair demand. Greens sell better, though still too plentiful. Great quantities of wild smilax have been used.

London.

Samuel S. Pennock devoted one morning to studying the great Covent Garden market during his recent trip abroad. The quantity of cut flowers offered in this great London mart was astonishing. There was good variety. Both quality and price were below what we are accustomed to. Most of the outdoor roses were excellent, though it was September. He bought at retail one dozen fine Laings for a shilling and one dozen Jacques for sixpence, an average of about one cent and a half apiece. The plants offered in this market were very fine and at low prices. Everyone appeared to buy here without regard to their being florists. A number of wholesale cut flower houses were clustered about this market. These opened at 4 a. m., as early as the market itself. One dealer said that his three sons each had charge of a department, one vegetables, one fruit, and one flowers, and that his business aggregated between \$4,000,000 and \$5,000,000. There seemed no reason to doubt the accuracy of this statement. The London cut flower stores exhibited no especial features and were hardly equal to our own. In Paris, on the contrary, the shops were very beautiful and full of interest.

Flower Market.

The second annual meeting of the market will be held next Monday, October 19, at 10 a. m., at 1228 Cherry street. Besides the report of the business of the last eleven months, four directors are to be elected, three to serve for three years and one for one year. There are also two proposed changes in the by-laws on which the stockholders are to take action. Half an hour before the meeting Vice President Harris will auction off the stalls.

Notes.

Albert Woltemate delivered an address on "Bulbs and Their Planting" before the Germantown Horticultural Society last Monday evening.

J. J. Habermehl's Sons had the fall opening decoration at Strawbridge & Clothier's on Tuesday.

Edward Reid's paper on "The West" read before the Florists' Club last week, will be found in another column.

Samuel S. Pennock is receiving quantities of fine cattleyas, oncidiums and cypripediums, very useful for the October weddings.

Wm. J. Baker is receiving some fine

Glory of Pacific chrysanthemums, both white and pink. They are in brisk demand.

Fred J. Michell has just returned from Washington.

Joseph Beavis & Son are sending in some fine Liberties to Leo Niessen.

Eugene Bernheimer is receiving fancy chrysanthemums, among them William Simpson, rose pink, and a light pink seedling.

The Flower Market is doing a great business in fine Beauties. Their tritomas are in demand, also Willowbrook, a white chrysanthemum with finish.

Bowling.

The REVIEW is indebted to Walter N. Yates for the following interesting account of the doings of our bowlers:

Recently the boys went to Atlantic City to try their hand with the seashore craft at the "only game," but the salt air had a peculiar effect, and after an exciting contest, they lost by eighty pins. A return match was immediately arranged and revenge guaranteed, if they would dare to "enter our back yard." On October 7, our boys emphatically kept their word, when our five-man team buried the salt air combination to the tune of 657 pins in three games. Surely this was vengeance with interest. When the visitors finally came back to terra firma, another trip to the shore was at once arranged, and all parties interested guaranteed the match to be anything but a tame affair. Messrs. Moss, Yates, Gibson, Mooney and Addleburger did the "slaughtering."

The second contest between the Growers and Dealers proved even more exciting than the first. The first game resulted in favor of the former, with a margin of thirty-eight. At the end of the second game the Growers were again on top, with twenty-three more. With a "Milwaukee finish," the Dealers woke up in the third game and won the match with fifty-five pins to spare. Yates made high total of 573, while Moss, with 223, captured high single game. The third and deciding match will be played next week. The following are the scores:

Growers—	1st.	2d.	3d.	Total.
Yates	181	192	200	573
Hanna	159	127	160	446
Harris	152	157	147	456
Westcott	166	140	147	453
Anderson	154	132	114	400
Total	812	757	768	2337
Dealers—	1st.	2d.	3d.	Total.
Kift	159	138	175	472
Gibson	125	135	167	427
Falck	152	144	160	456
Connor	168	158	169	495
Moss	160	159	223	542
Total	764	734	894	2392

PHIL.

ST. LOUIS.

The Market.

Business for the past week was not very encouraging to the cut flower dealers, trade being weak and the supply very much in excess of the demand. The bright, sunny weather has brought about an actual glut in roses and carnations. Chrysanthemums, too, are becoming more plentiful, but not enough good ones as yet to go around. Stock of all kinds was so plentiful that the trade became critical and would buy nothing but the best of stock, refusing all that did not come up to their requirements. In the meantime the price of good stock went down to what short stemmed stock brought the week previous.

In Brides and Maids the supply was

greater than in any of the other roses, but still there were plenty of Meteors, Carnots and Perles. The very choicest of stock did not bring over \$5 per 100, while good roses sold as low as \$2 in 100 lots and \$10 in 1,000 lots. The short-stemmed stock had no sale at all. In Beauties fancy grades are not overplentiful, but of medium and short stock there is more than enough. Carnations have also declined in price and really good stock sold at \$1.50 per 100, while plenty of good flowers with short stems sold at \$8 per 1,000. Marquis, Enchantress, Wolcott, Nelson, Lawson and Crane are among the best that come in. Violets are still very much off color and small, with the market well supplied and sales slow. Owing to the quality of the stock, 25 cents per 100 is all they bring at present. Cosmos is also loading down the wholesale houses, thousands of good quality coming in and selling at 35 cents per 100. 'Mums of first quality seem slow in coming in. A few good white and yellow were seen at \$1.50 per dozen. Small stuff does not bring over 60 cents per dozen. A good, killing frost is what is needed in this section to kill off the supply of outdoor stock which is being dumped in this market in big quantities. The end of the week found the market short on fancy ferns, but other greens, such as smilax, asparagus and galax are in good supply at the usual prices.

Various Notes.

Mrs. M. S. Vesey, of Fort Wayne, Ind., was a guest of the Misses Meinhardt the past week. She took a hand at bowling on ladies' afternoon and did some excellent work.

Wm. Edlefsen, of Milwaukee, accompanied by his niece, Mrs. H. V. Hunkel, also of Milwaukee, spent a pleasant week with us. Mr. Edlefsen was much pleased with his trip and spoke highly of the progress of the World's Fair, which he said was immense.

George E. Legler, representing S. P. Forest & Co., Chicago, was in town selling pressed flowers from Palestine.

F. M. Ellis returned from his week's trip much pleased with what he saw and with the prospects for the coming season.

James W. Dunford and his father visited Belleville the past week, calling on friends in the trade.

F. Carr, better known as "Pap" Carr, who sold plants for years at the Union Market for Wm. Schray & Sons, died last week. The funeral was held Saturday and many of the trade attended.

The St. Louis Agricultural and Mechanical Association held a very successful fair the past week. On big Thursday the crowd was estimated at 50,000 and the attendance in Floral Hall was large during the day, the visitors seeming to enjoy the display made by the local florists. Wm. Schray & Sons were the largest exhibitors and were awarded \$248 in prizes for plants and cut flowers. Richard Frow came in for \$30 worth and F. Carr for \$3. These men were the only exhibitors this year, and Mr. Schray seemed to have everything his own way as to winning prizes.

The Florists' Bowling Club rolled a three-man match on Monday night. Carl Beyer was in extra good form, making an average of 226. Kuehn was second with an average of 192, and Beneke third with 183.

The scores were as follows:

Roses—	1st.	2d.	3d.	Total.
J. J. Beneke.....	170	175	205	550
F. J. Meinhardt.....	147	163	123	433
Carl Beyer.....	223	197	259	679
Total	540	535	587	1662
Carnations—	1st.	2d.	3d.	Total.
C. A. Kuehn.....	187	212	178	577
Theo. Miller.....	150	153	144	447
F. M. Ellis.....	178	174	191	543
Total	515	539	513	1567

CHICAGO.

The Market.

There is a great deal of complaint at the results of last week. The aggregate of the seven days' business was considerably below last year's record and the averages returned to the growers were very unsatisfactory. Along in the middle of the week there was a very large waste on low grade stuff and this, of course, pulled down the price on the better material and made the figuring of average prices of roses and much other stock require a considerable skill in the use of fractions. However, things started off better this week, although there is still little value in the low grade material. City trade seems very quiet, except for a few large orders for store openings, weddings, etc., but shipping demand is brisk.

Beauties are the best seller on the list, but white roses go fairly well and the store decorations have cleaned up a good many small chrysanthemums. In general qualities are showing a steady improvement. This is particularly noticeable in violets and chrysanthemums. Carnations have been good right along, but roses do not seem to gain strength as rapidly as might be expected with the very fine weather. We have as yet had no frost and there are good dahlias, plenty of cosmos, some gladioli, a few asters and other outdoor flowers in the market.

Various Notes.

The committee announces that the first monthly exhibition of the Chicago Florists' Club will be held October 24, devoted to cut chrysanthemums and carnations, prizes to be awarded for the best collection of each. Those having seedling chrysanthemums to be judged can have the same passed upon at this show, as the judges are the ones selected by the Chrysanthemum Society of America and exhibits will be entitled to registration by paying the necessary fee. Blooms intended for exhibition should be sent to E. F. Winterson, 45-49 Wabash avenue, Chicago, charges prepaid, not later than 1 o'clock, October 24. The club will see to the staging of all exhibits.

The E. R. Gray mushroom plant near Hinsdale was totally destroyed by fire one night last week and the report is that it will not be rebuilt.

Sharp, Partridge & Co., say that it looks favorable for fairly cheap glass for next season. Prices are now off about 10 per cent as compared with quotations on greenhouse sizes a year ago, this with stocks well cleaned out, and with the big factories only just starting for the season, certainly the indications would not point to any advance. On small lots of 16x24 double strength A the present quotation is \$4.05 a box, but it is doubtful if any considerable quantity of this size could be obtained should need for it arise today.

John Sterrett has the deepest sympathy of every one in the market in the loss of his son, Leonard, who was also well

known to the trade. The lad's body was found beside the tracks of the Northwestern railroad on Friday morning, he having evidently fallen from a moving train.

Emil Buettner has recently completed two new houses, one 30x125, the other 30x130, and has them planted to carnations in fine shape.

Mr. and Mrs. Oscar Friedman are the happy parents of a baby boy.

E. S. Thompson was over from South Haven on Tuesday with exhibits of fifty-seven varieties of dahlias which he put up at Randall's and Budlong's. He has over 100 sorts in his collection, including some very fine things not often seen in this market. Mr. Thompson goes to St. Louis this week to arrange for an exhibit at the World's Fair next year.

O. J. Friedman had the large order for the decoration of the new Schlesinger & Mayer store for the opening this week.

N. J. Wieter's ten-months-old boy is quite seriously ill.

George Scott is now with the E. F. Winterson Company. John Degnan, of that firm, is on the road and sending in nice orders from every town.

A. L. Randall is at home after spending the summer on his farm in Michigan.

P. M. Broadbeck, at Evanston, has a banana plant in one of his rose houses now ripening a bunch of about 200 fruits. The variety is Musa Caven-dishii.

James Hartshorne was in town this week and says that carnation Fiancee is beginning to bloom in fine shape.

Mrs. F. R. Hills is getting along nicely, but will not be about for some time.

BUFFALO.

Current Comment.

We have had up to October 10 a very mild spell, nothing hurt by frost, rather too warm for the rose grower or for business. I can't help saying that a clear, cool night and a few degrees of frost, with a glorious, bright sun today, is most welcome and invigorating. The maple and oak are fast ripening into the glorious tints of yellow, bronze and crimson, and the queen of autumn is here to charm our eyes, if not to fill our pockets. In the dwelling house I noticed the flies bit much more viciously today, knowing their time is short. In the neighboring wood I noticed a grey squirrel working hard storing hickory nuts in a hollow tree. Evidently he did not belong to any union, for he was at work before 8 a. m. and was also doing his best. Ala Baba, the philosopher of East Aurora, N. Y., says: "If a man never does any more than he is paid for, he will never get paid for any more than he does." I pity the man or woman who sees only brick walls and lamp posts such days as this. They miss the elixir of life and real existence. Don't think I was in the country merely for my health and happiness. Oh, no, I was digging potatoes, and while one eye was on the Rural New Yorkers (small yield, but nice sample; some rot in low places) I kept one eye and one ear to nature's sights and sounds, and the last I heard was a meadow lark tell his mate that he was off for Louisiana in the afternoon and if she thought as much of him as she pretended to last May, she had better get ready. We hope she did.

Business has had a decided awakening, nothing very large, but numerous weddings daily, all wanting something. I believe flowers for sadder occasions have

also been in very brisk demand, as several well known and popular citizens have passed away. I often think I am guilty of omitting to mention the displays and designs made by our enterprising Main street retailers, but it is never omitted by design. Many conventions of different societies and orders have been held here during the summer, and every time four or five of the leading shops have made handsome and original designs, emblematic of the order. They are past now, but I will be good in future. The last time I passed down Main street I noticed a very handsome show at S. A. Anderson's. It was a lot of extra fine *Primula obconica* finely trimmed up with a background of 200 or 300 splendid American Beauty roses. I don't know whether this was harmony or contrast. No matter which, it was rich and "taking."

There was a meeting of the club last Wednesday, from which your correspondent had a very substantial reason to be absent, much to his regret. The H. A. Meldrum chrysanthemum show was an important topic and I believe all arrangements are complete. A thousand dollars will be awarded in comparatively very few classes which makes prizes well worth any one's competing for. Schedule of prizes can be obtained of Chas. H. Keitsch, Main street, Buffalo, N. Y. It would be very pleasant to have a large proportion of this sum stay at home, but I hope for the sake of the truly enterprising firm which put up the money that some of the best growers in the country will exhibit.

The bowling section of the club has entered a team in a five-team league, to be bowled this winter by the crack teams of the city, which should get them in trim to discipline John Westcott and his rubber-souled gang. Captain Braik was appointed a committee of one to obtain formula and brew a sufficient quantity of the famous "Westcott bowling punch" for use at St. Louis. Several of the competing clubs think that the Phillie's many victories are largely attributable to that peculiar stimulant.

To take part as pall-bearer at the funeral of Wilson S. Rissell, his postmaster-general during his last term, ex-President Grover Cleveland visited his old home for the first time in twelve years. He was but twelve hours in the city. Many of the social functions would have been tendered him, but very properly he declined all and would say nothing to newspaper men but kind and sympathetic words for his departed friend, Mr. Rissell. On his return home Friday night, via the Erie railroad, G. C. and John G. Carlisle got stalled in the flood at Elmira. I believe he then did whisper to J. G. C. that in very wet weather butted glass was better than lapped, but any glass would do him in their state of staidom.

You will all be pleased to hear that our widely known Wm. F. Kasting has received the nomination of county treasurer on the Democratic ticket. As Erie county includes the city of Buffalo, this is a very important office and one that any citizen may be proud to fill. Mr. Kasting stands high in his party and he received the honor simply because his reputation is clean, energetic and honest, and if elected there is no doubt of his ability and integrity, and I beg to prophesy with much confidence that he will be elected.

W. S.

PACIFIC COAST.

ROSE NOTES.

About everyone who contemplated changing his rose houses has finished re-planting by this time. The majority of the growers in the vicinity of San Francisco have used the same varieties this season for forcing that they did last year, that is, Kaiserin and Bride for white, Mme. C. Testout and Bridesmaid for pink, Liberty and American Beauty for red and Souvenir du Pres. Carnot for cream. There has been considerable inquiry for stock of the Ivory but there are not as yet any rose growers who have had very much experience with it and no one has had anything to force except small plants on their own roots.

Liberty has superseded Meteor almost entirely, but a few growers still plant Mrs. Laing and Ulrich Brunner. Bridesmaid is still in as great demand as ever and perfect blooms bring top prices. Belle Siebrecht and Duchess of Albany are seen occasionally, but they are not considered good forcers. Perle des Jardins, by far the finest of our yellow roses, either inside or in the garden, is not in much favor with the growers. Most of the florists seem to be able to supply the wants of their patrons without handling any yellow roses, and most of the growers have discarded planting them. Sunset is not in evidence at all, although it is really a splendid variety when properly handled. Niphetos has not been planted for the last six or seven years. It makes a beautiful bud, but a weak and wobbly stem and has been entirely superseded by Bride and Kaiserin. Some growers tried Queen of Edgely last season, but the flower seems to be hardly up to color and inclined to come short stemmed. Cecil Brunner finds considerable favor with some growers and the flowers are always in demand.

There has always been more or less controversy among the growers as to the planting of stock, whether it should be low-budded or grown on its own roots. The majority of the growers are finding out from experience that they have better success from strong, field-grown, budded stock.

G.

THE PACIFIC NURSERY.

A most interesting place is the Pacific Nursery, San Francisco, of which F. Ludemann is proprietor. All sorts of ornamentals are grown and the seedlings of different sorts coming on run into the hundreds of thousands.

The major part of these are from out of door seed beds and the flats in which the seedlings are pricked out are also out of doors, simply placed close together on the ground. Such standard things as the blue gum and Monterey cypress are handled in immense quantities and they are sold by the flat. The choice ornamentals are potted and are grown in these pots plunged in the soil to facilitate planting out at any time of the year.

Camelias, of which Mr. Ludemann carries a large stock in all sizes, and other similar stock are in lath houses that afford some shade from the sun. A new lath house, erected this season, is about eighty feet square, and there are a half dozen others.

In the greenhouses an immense variety of palm seeds are being germinated

and there is a full line of the more tender palms and decorative plants. The seedling araucarias are especially numerous, and a bench of young *Araucaria excelsa* in 2½-inch pots, all perfect in form and of a uniform height of about six inches, is a sight to remember.

To even mention all of the interesting things to be seen here would fill a page of the REVIEW. The trade visitor to San Francisco should not fail to see the Pacific Nursery and its genial and well posted proprietor, Mr. Ludemann.

GARDENING UNDER GLASS

ELGIN, ILL.—Simon Dumser, who formerly grew vegetables under glass, says that the competition of outdoor stuff from the south has taken most of the profit out of the business. He now grows miscellaneous pot plants and enough vegetables for local demand.

RADISHES.

The radish is one of the easiest subjects to force, and one that gives the quickest returns of any crop that can be grown. Though they can be grown in any ordinary soil and are very accommodating for filling in where a space occurs, we find that it pays to make a little special preparation for them when they are depended on for a crop. We grow them in raised benches about six inches deep. In the bottom of the bench we place about three inches of well rotted manure, and cover this over to a depth of about three inches with clean sand in place of soil. We find that they come out of the sand much cleaner and nicer than they do out of any soil. We sow in rows about four inches apart, scattering the seeds thinly and evenly, so as to avoid having to do any thinning.

In sowing thus thinly it is well to make sure that the seed is good or to know just what percentage of it is going to come up. A simple method of testing the seeds is to count out fifty or 100 of them and place them between folds of thick brown paper in a shallow vessel, such as a flower pot saucer, and keep the paper moist but not too wet; keep in a temperature of about 50 degrees, and in about twenty-four hours it can be seen just how many of the seeds have germinated.

Of the many varieties we have tried the one we like best is Non Plus Ultra. This has a very dwarf top, is a round, evenly sized, uniformly well shaped radish of good quality and flavor; color red. Where a long shaped radish is wanted the old French Breakfast is about the best, but it takes rather longer to mature than the first named. Non Plus Ultra will mature in about three weeks from time of sowing.

Regarding temperature, we have had the best success by running the house at 50 degrees by night, allowing a reasonable rise by sunheat. If the temperature is kept much higher than this it induces a rank top growth, and detracts from the quality of the radish, though making very little change in the time of maturing. A large supply of water is unnecessary, as the materials used are rather retentive, but water should of course be given when the sand shows signs of dryness.

W. S. CROYDON.

NURSERY NEWS.

AMERICAN ASSOCIATION OF NURSEYMEN.

Pres., N. W. Hale, Knoxville, Tenn.; Vice-Pres. F. A. Weber, St. Louis; Sec'y, Geo. C. Senger, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-eighth annual convention will be held at Atlanta, Ga., June, 1904.

C. M. MARSH, the nurseryman of Lakewood, Fla., is in Honduras looking after some investments there.

ONE of the best trees for unique effects on the lawn is Catalpa Bungei, forming a dense round head.

THE city of Kankakee, Ill., has purchased a site for a park and given the order to the Peterson Nursery for the plan and planting for its improvement.

SPRINGFIELD, ILL.—At the recent meeting here at which the Illinois Association of Cemeteries was organized, the following officers were elected: President, W. N. Rudd, Mt. Greenwood; vice-president, Dr. Henry Wohlgemuth, Moline; secretary and treasurer, J. A. Groves, Bloomington.

ONE of Luther Burbank's latest productions in the way of fruits is a stoneless plum, which has been named Miracle. It has a kernel, but the stone is reduced to the merest chips of a shell, and in no way prevents a fruit from being cut right through the center. It is said to be a heavy cropper and good grower. The skin is purple, and the flesh firm.

BUFFALO PREMIUMS.

The H. A. Meldrum Co., a leading department store in Buffalo, is giving a Chrysanthemum Show, November 11 to 14, under the auspices of the Buffalo Florists' Club, with Charles H. Keitsch as manager of exhibits. The Meldrum Co. has put up a list of premiums which would be a credit to any show. Copies of the list may be had on request. The classes and premiums are as follows:

Chrysanthemum plants.			
	1st.	2d.	
Six white	\$20.00	\$10.00	
Six yellow	20.00	10.00	
Six pink	20.00	10.00	
Six red	20.00	10.00	
Single specimens	10.00	5.00	
Chrysanthemum blooms.			
	1st.	2d.	3d.
Fifty white	\$25.00	\$15.00	\$10.00
Fifty yellow	25.00	15.00	10.00
Fifty pink	25.00	15.00	10.00
Fifty any other color...	25.00	15.00	10.00
Twenty-five white	10.00	8.00	6.00
Twenty-five yellow	10.00	8.00	6.00
Twenty-five pink	10.00	8.00	6.00
Twenty-five any other color	10.00	8.00	6.00
One hundred blooms, 25 varieties	50.00	30.00	20.00
Fifty blooms, introduced 1903	25.00	15.00	10.00
One hundred blooms for effect	50.00	30.00	20.00
Arrangements.			
	1st.	2d.	3d.
Handle basket	\$25.00	\$15.00	\$10.00
Table decoration	25.00	15.00	10.00
Roses.			
	1st.	2d.	3d.
100 American Beauties...	\$50.00	\$35.00	\$25.00
100 white	15.00	10.00	5.00
100 pink	15.00	10.00	5.00
100 red	15.00	10.00	5.00

I DO not want to miss seeing my old friend, the REVIEW, once a week.—S. S. PYLE, Toughkenamon, Pa.

TWO years ago we wrote you to discontinue the REVIEW until such time as McKinley's prosperity should strike the south, and as it has reached our corner now, we hasten to renew our subscription to your valued paper.—A. A. PANTET & Co., Fort Smith, Ark.

80,000 TWO-YEAR-OLD PRIVET

Well branched, will sell in row or block. Plants are very fine.

WANTED.

1000 strong plants G. E. Crane Carnations and 1000 Marie Louise Violets. Quote Price.

C. RIBSAM & SON TRENTON, N. J. Mention the Review when you write.

MCCOLGAN BROS. Red Bank, N. J. Successors to JAMES MCCOLGAN & CO. Offer to the trade a large stock of

California Privet IN SEVERAL GRADES. 100,000 Ampelopsis Veitchii, 1, 2 AND 3 YEARS. PRICES ON APPLICATION. Mention Review when you write

Peterson Nursery, 164 La Salle St., CHICAGO. PEONIES And HANDY ORNAMENTAL STOCK. Write for illustrated price list. Mention the Review when you write.

VREDENBURG & CO. ROCHESTER, N. Y. Lithographing, Printing, Engraving. Binding exclusively for FLORISTS, SEEDSMEN and NURSEYMEN Sample Colored Plates free—Send for Catalogue UNEQUALLED FACILITIES Mention the Review when you write.

W. & T. SMITH COMPANY, GENEVA, N. Y. Wholesale Growers of ORNAMENTAL TREES, Shrubs, Roses, Clematis, Fruit Trees and Small Fruits in great variety Send for our Wholesale Price List. Mention Review when you write.

Send to THE MOON Company For Your Trees, Shrubs, Vines, and Small Fruits. Descriptive Illustrated Catalogue Free. THE WM. H. MOON CO., Morrisville, Pa. Mention the Review when you write.

CHAS. D. BALL, GROWER OF Palms, Etc. Send for Price List. HOLMESBURG, PHILADELPHIA, PA.

Seed Trade News.

AMERICAN SEED TRADE ASSOCIATION.

Pres., S. F. Willard, Wethersfield, Conn.; First Vice-Pres., J. Chas. McCullough, Cincinnati, O.; Sec'y and Treas., C. E. Kendel, Cleveland, O. The 23d annual meeting will be held at St. Louis, Mo., June, 1904.

DURING the week 43,000 Dutch bulbs have been received for planting at the St. Louis exposition.

CURRIE BROS., Milwaukee, have been appointed by Gov. Hoard to prepare Wisconsin's exhibit of seeds, etc., for the St. Louis World's Fair.

A PETITION in bankruptcy has been filed against the Cape Vincent Seed Co., wholesale dealers in peas and beans with office at 260 West Broadway, New York City.

THE Gallia, from Marseilles, due at New York September 21, reached port October 6, having been delayed by a broken shaft. The Gallia carried a total of 2,167 cases of French bulbs, including the principal shipment for many of the leading seed houses, delivery being thus delayed fifteen days.

THE onion seed crop report of the J. B. Rice Seed Co., Cambridge, N. Y., shows acreage of 12,663 as against 11,350 for 1902. The output is considerably less than for 1902 in the states of Michigan, Wisconsin, Minnesota, Massachusetts, Connecticut and in New York, Indiana and Illinois. Quality averages seventy-three per cent of perfect. The varieties average about forty per cent red, fifty-seven per cent yellow and three per cent white.

TIME TO "GET TOGETHER."

ED. FLORISTS' REVIEW:—I desire to offer a few suggestions and make a little explanation as to the real situation of the melon and seed grower of the south. I believe that through the columns of the REVIEW it would reach the class that is looking for such information, and I respectfully ask for the publication of these few lines in your valuable journal for florists and seedsmen.

I am aware that the conduct and careless methods of growing practiced by some growers have caused some of the large eastern and northern dealers to go west for their supplies; usually the careful grower has to bear the burden equally with the careless one.

There is no question as to the superiority of the southern grown melon seed, and if the careful grower would supply only seed of his own growth and plant sufficient area to produce, under usual circumstances, the amount desired, have contracts subject to inspection and insist that the crop be inspected, he would in time control the trade of most of the reputable dealers.

I know there are some unscrupulous dealers, and there are also unscrupulous growers, but the careless method practiced by the latter class should not be shifted to the responsibility of the honest, careful grower. Some of the large wholesalers are continually grinding down the growers' prices and are willing to pay only about the cost of producing good seeds. Then the grower must either reject the order or send out inferior

NEW CROP SEED SWEET PEAS.

Blanche Burpee—Pure white.....35c per lb.
 Blanche Ferry—Pink and white.....35c "
 Captain of the Blues—Dark blue.....35c "
 Dark Lavender—Very fine.....60c "
 Countess of Radnor—Pale fine.....35c "
 Emily Henderson—Fine white.....35c "

Earliest of All—Fine forcer, pink
 and white.....50c per lb.
 Katherine Tracy—Fine rose.....35c "
 Mont Blanc—Extra fine white, good
 forcer.....50c "
 Navy Blue.....35c "

The Bride—White.....50c per lb.
 Christmas Forcing—Pink, per ¼-lb., 40c; 1b.
 \$1.00. White, per ¼-lb., 40c; 1b., \$1.00.

If wanted by mail add at the rate of 10c per lb.
 for postage.

STUMPP & WALTER CO., 50 Barclay Street, New York City.
 Branch Store, 404 East 34th St.,

Mention the Review when you write.

seeds (a 20-cent article can't often be bought for 10 cents unless something is wrong with it). The cost of seed production is constantly increasing. It would seem as though the time had come for seed growers to "get together."

D. H. GILBERT.

Monticello, Fla.

SPECIAL NOTICE.

Attention of prospective exhibitors at the approaching exhibition of the Chrysanthemum Society of America is called to the following prizes which have been recently added to the already fine schedule:

Offered by the Pennsylvania Horticultural Society, to be competed for at the exhibition of the Chrysanthemum Society of America, November 10 to 12, 1903, open to all; for the best vase of 40 blooms of chrysanthemums of one or several varieties, correctly named, stems not less than twenty-four inches long, two prizes, \$30 and \$20.

Offered by the Lawrence-Cedarhurst Horticultural Society of Long Island, for twenty-five blooms in twenty-five varieties, \$10 and \$7. For twelve blooms in twelve varieties, \$5 and \$3, to be competed for by members of this society only.

FRED H. LEMON, Sec'y.

TROUBLE WITH BOSTONS.

In one of my houses of Boston ferns I notice a lot of mealy bugs are doing damage. I found the bugs in the tips of the leaves, and it seems as if they had followed the leaf as it unrolls. How shall I wage war on the pest? I also find some stunted leaves in the same house. It seems as though the plants got a sudden check in growth or the tips were burned. Did the mealy bug cause this? L.

One of the best remedies for mealy bugs on Boston ferns is fumigation with aphid punk. If this preparation is used carefully, so as to avoid any blazing of the paper, no injury will be done to the ferns, but it is probable that the fumigation may need to be repeated two or three evenings before the smoke reaches all the insects. The crippling of the tips of the fronds may have been caused by the mealy bugs if the plants are badly infested, but there are at least two other possible causes for such an injury. If the plants have been allowed to get dry once or twice the young growth would suffer in that way, or if too much fresh manure was used in the compost the ammonia therein might scorch the tender tips of the ferns.

W. H. TAPLIN.

OVERVEEN, HOLLAND.—The Dutch Horticultural Society has awarded a first-class certificate to M. Van Waveren & Son, Hillegom, for Gypsophila paniculata fl. pl. as a new plant, also a certificate of merit to the same for Tritoma Pfizeri, a plant which deserves to be more widely known.



GOOD RUN FOR THE MONEY

Lilium Harrisii, 5 to 7, 400 bulbs in case.
 \$5.00 per case.

Lilium Longiflorum, 5 to 7, 400 bulbs in case.
 \$5.00 per case.

Lilium Candidum, fine large bulbs.
 \$5.00 per 100.

THIS OFFER IS FOR CASH.

W. ELLIOTT & SONS, New York.

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Burpee's Seeds Grow

SEEDS

THE ALBERT DICKINSON CO.

Timothy, Clovers, Flax, Hungarian, Millets, Red Top, Blue Grass, Lawn Grass, Orchard Grass, Pasture Mixtures, Bird Seeds, ENSILAGE CORN, POP CORN, BUCKWHEAT, BEANS, PEAS, ETC. COTTON GRAIN BAGS. CHICAGO ILL.

WANTED

GNAPHALIUM LANATUM.

2000 to 3000

Quote us lowest price for immediate shipment.

ST. LOUIS SEED CO.

615 N. 4th St., ST. LOUIS.

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PANSY.

Superb mixed, unexcelled strain, ½-oz., 75 cts.; oz., \$5.00.

CINERARIA.

Dwarf and tall, finest mixed, each 50 cts. and \$1.00 per packet.

FERNS.

Pieroni, doz., \$3.00; per 100, \$22.00. Bostoniensis, doz., 60 cts.; per 100, \$4.00.

Splendid stock out of 2½-inch pots.

W. C. BECKERT, - ALLEGHENY, PA.

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LONGIFLORUMS,

HARRISII,

FREESIA, OXALIS,

Now ready for delivery. CALLAS.

Annual Trade List of BULBS sent on application.

W. W. RAWSON & CO., Seedsmen

12 and 13 Faneuil Hall Square, BOSTON.

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ESTABLISHED 1802.

*Thorburn's
Bulbs*

Our Wholesale Catalogue of Bulbs and Flower Seeds for Florists now ready.

We have a large stock of extra fine strong bulbs of

**LILIAM
LONGIFLORUM**

Send for our prices before ordering elsewhere.

Dutch Hyacinths, Narcissus, etc.

Now Ready.

J. M. THORBURN & CO.

36 Cortlandt St., NEW YORK.

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YOU will find...
ALL the **BEST** offers
ALL the time in the Review's Classified Advs.

SAMUEL S. PENNOCK,
Chrysanthemums,
ORCHIDS, VALLEY.

On and after October 1st
 we are open from
 7:30 a. m., until 8 p. m.

Wholesale Florist,
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Pittsburg Cut Flower Co. Ltd.

CHRYSANTHEMUMS, CARNATIONS,
 ROSES AND VALLEY.

WHOLESALE FLORISTS,
 504 Liberty Ave., Pittsburg, Pa.

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CHEAP, MEDIUM OR HIGH-GRADE

Tea Roses and Beauties

fresh cut and shipped direct from the
greenhouses.

HELLER BROS.
 South Park Floral Co., NEW CASTLE, IND.

Mention the Review when you write.

JOLIET, ILL.

At the meeting of Joliet Improvement Association the coming flower show was the business in hand. The prospects are exceedingly promising for a good show, and one that will make Joliet known as a flower show town. The exhibitors are very cordial in their communications. Many letters have been received full to the brim with good wishes for the success of the undertaking. The following is a partial list of those so far heard from and who are coming with exhibits:

Jno. Breitmeyer's Sons, Detroit; Bassett & Washburn, Hinsdale; H. W. Buckbee, Rockford; Mrs. E. T. Grave, Richmond, Ind.; Aug. Lange, Chicago; Peter Reinberg, Chicago; W. N. Rudd, Mt. Greenwood, Ill.; Nathan Smith & Son, Adrian, Mich.; South Park Floral Co., Newcastle, Ind.; Geo. Wittbold, Chicago; E. G. Hill Co., Richmond, Ind.; Baur & Smith, Indianapolis, Ind.; Shaw's Garden, St. Louis, and others.

Exhibitors who attend from a distance will be largely in the rose, carnation or chrysanthemum classes, and to secure collections of home plants and novelties liberal premiums have been offered.

INDIANAPOLIS, IND.

The Indiana Floral Festival Association has its plans well advanced for the chrysanthemum show to be held in Tomlinson hall the week of November 10. Irwin Bertermann, secretary of the association, has issued the premium list and says the organization is on a better basis than it has been in former years and he is particularly well pleased with the condition of finances. The business men of the city, as well as florists and allied interests in other cities, have so far made up a guarantee fund of \$2,000. Among the contributors are Bertermann Bros., \$150; E. A. Nelson and H. W. Rieman, \$25 each; Smith & Young Co., \$15; Gunnar Teilmann, John Heidenreich, F. A. Conway, John Grande, John Hartje,

Lake View Rose Gardens

Wholesale Growers and Dealers in

Carnations, **Cut Flowers,**
 Roses, **and Supplies.**
 American Beauties,
 Chrysanthemums, Lilies, Smilax
 and Asparagus. 75,000 Cut Bloom
 Chrysanthemums.

JAMESTOWN, N. Y.

HARDY CUT FERNS.

Write for Prices.



FANCY

DAGGER

L. B. BRAGUE,

Oldest, largest and most
 reliable dealer in the U. S. HINSDALE, MASS.

Mention the Review when you write.

Huntington & Page and John Rieman, \$10 each; E. G. Hill Co., Richmond, Ind., and Fred Dorner & Sons Co., of Lafayette, Ind., \$50 each; Elverson Pottery Co., New Brighton, Pa., \$15; M. Rice & Co., Philadelphia, and W. K. Partridge, Lockland, O., \$10 each; A. Dietrich & Co., Chicago, and S. S. Skidelsky, Philadelphia, \$5 each.

TEWKSBURY, MASS.—Mr. and Mrs. M. A. Patten are receiving congratulations on the arrival of a daughter.

**Grown Right
 Cut Right
 Packed Right
 Shipped Right
 Priced Right**

ALL RIGHT

**Winterson's
 CUT FLOWERS**

Special Offer!

1,000 PALMS

Kentia Belmoreana

5-inch pots, 20 to 24 inches high.

QUALITY EXTRA.

Per doz., \$8.00; per 100, \$84.00.

The best value in the country. We can prove this by a sample lot, which can be returned and we pay freight both ways if not as advertised.

Complete line of French and Dutch Bulbs.

Catalogue Free.

E. F. Winterson Co.

MODERN SUPPLY HOUSE,

**45, 47, 49 Wabash Ave.
 CHICAGO.**

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**The Florists'
 Manual**

Tells You What You
 Want to Know in the Way
 You Want to be Told.

LEO NIESSEN. BEAUTIES, LIBERTIES, VALLEY

Open from
7 a. m. to 8 p. m.

Wholesale Florist, 1217 ARCH ST., PHILADELPHIA.

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Tulips and Hyacinths From HOLLAND'S BEST GROWERS.

TULIPS—Single Early—fine mixed.....60c	Per 100 1000	TULIPS—Dble. Early—fine mixed.....65c	Per 100 1000
superfine mxd. 70c	\$5.00 5.50	superfine mxd. 75c	\$6.10 6.75

NAMED DUTCH HYACINTHS. SPLENDID BULBS, 17 centimeters and over. For pot forcing or bedding.

Single separate colors and true to name, per 100, \$1.25; per 1000, \$10.00

SINGLE or DOUBLE DUTCH HYACINTHS. 15 centimeters and over.

For bedding and pots, separate colors, per 100, \$2.90; per 1000, \$27.00

NEW CROP SWEET PEAS—All the standard forcing sorts per ¼ lb., 10c; 1 lb., 30c; 5 lbs., \$1.25

MONT BLANC—The earliest pure white..... per ¼ lb., 20c; 1 lb., 60c

NEW GIANT SHASTA DAISY..... 100 seeds, 20c; 1000 seeds, \$1.50; 2500 seeds, \$3.00

Send for our Wholesale Bulb List.

JOHNSON & STOKES, 217 and 219 Market St., PHILADELPHIA, PA.

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If you want MUMS, Carnations or Roses, write, phone or wire **EUGENE BERNHEIMER,**

WHOLESALE FLORIST, 11 So 16th St., PHILADELPHIA.

Mention the Review when you write.

Maplewood Cut Flower and Plant Co.

GEO. M. KELLOGG, Pres.

Growers of CUT FLOWERS at Wholesale.

Regular shipping orders given special attention. We have the largest plant west of Chicago.

Store: 906 Grand Ave., KANSAS CITY, MO.

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Wholesale Florists,

QUEENS, - L. I., N. Y.

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THE E. G. HILL CO.

Wholesale Florists,

RICHMOND, INDIANA.

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Philadelphia, Oct. 14.

	Per doz.
Beauties, Specials.....	\$ 2.50 to \$3.50
No. 1.....	2.00
No. 2.....	1.00 to 1.50
Queen of Edgely, No. 1.....	2.00 to 2.50
No. 2.....	1.00 to 1.50
Bride and Bridesmaids, No. 1.....	4.00 to 5.00
No. 2.....	2.00 to 3.00
Golden Gate, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Kaiserin, Firsts.....	5.00 to 8.00
Seconds.....	2.00 to 4.00
Liberty, Firsts.....	6.00 to 12.00
Seconds.....	3.00 to 5.00
Perle.....	2.00 to 4.00
Sunrise.....	2.00 to 5.00
Ideal.....	4.00 to 6.00
Orchids—Cattleyas.....	40.00
Cypripediums.....	20.00
Carnations, Commons.....	1.50
Selects.....	2.00
Fancy.....	2.50 to 4.00
Adiantum Cuneatum.....	1.00
Asparagus Plumosus, Strings.....	35.00 to 50.00
Sprays.....	.35 to .50
Bouvardia.....	2.00 to 2.50
Chrysanthemums, Ordinary.....	8.00 to 12.00
Fancy.....	15.00 to 25.00
Dahlias, Common.....	.75 to 1.50
Fancy.....	1.50 to 3.00
Daisies, Yellow.....	1.00 to 1.50
Tritoma.....	2.50 to 3.00
Lily of the Valley.....	3.00 to 5.00
Smilax.....	10.00 to 15.00
Violets, Single.....	.30 to .40
Double.....	.50 to .75
Sweet Peas.....	1.00
Cosmos.....	.50

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A FINE STOCK OF THIS BEAUTIFUL VARIEGATED PLANT, ALL GROWN COOL. Just the thing for your customers who seldom water their plants.

ORDER NOW -- shipped by freight; if later express may be necessary.

6-inch pots, 18 inches above pot.....	\$1.00 each; \$12.00 p-r doz.
7-inch pots, 24 inches above pot.....	1.50 each; 18.00 per doz
8-inch pots, 30 inches above pot.....	2.50 each; 30.00 per doz.

Also SPECIMEN PLANTS,
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Wholesale Cut Flower Prices.

New York, Oct. 14.

	Per 100	
Beauties, Specials	\$10.00 to \$20.00	
Extra	8.00 to 10.00	
No. 1	4.00 to 5.00	
Shorts	1.00 to 3.00	
Brides and Maids, Specials	4.00 to 5.00	
Extra	3.00 to 4.00	
No. 1	2.00 to 3.00	
No. 2 .....	.50 to 1.00	
Golden Gate	2.00 to 4.00	
Liberty	2.00 to 3.00	
Meteor	1.00 to 3.00	
Cattleyas	25.00	
Carnations, Common .....	.75 to 1.00	
Selects	1.00 to 2.00	
Fancies	2.00 to 3.00	
Novelties	3.00 to 4.00	
Chrysanthemums	4.00 to 25.00	
Violets, Ordinary .....	.25 to .50	
Adiantum cuneatum .....	.25 to .50	
Croweanum .....	.75 to 1.00	
Asparagus plumosus, Strings	35.00 to 50.00	
Asters, Selects	1.00 to 2.00	
Dahlias .....	.50 to 1.00	
Gladiolus .....	.50 to .75	
Lilium Harrisii	5.00 to 8.00	
Lily of the Valley	2.00 to 3.00	
Mignonette, Ordinary .....	.50 to 1.00	
Smilax	5.00 to 8.00	
Tuberose .....	.50 to 1.00	

There is no material change in prices since a week ago. Cooler weather, with a prospect of frost, gives hope for steadiness, at least, notwithstanding constantly increasing receipts of chrysanthemums. We have had several days of steady rain.

GEO. SALTFOORD,
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GALAX. Bronze or Green, 75c per 1000 in 2000 lots or more.
Leucothoe Sprays, Green, 90c per 100.
Southern Smilax, fresh stock, per 50-lb. case, \$6.00; per 25-lb. case, \$3.50.
Green Sheet Moss, choice stock, \$2.50 per barrel sack.
Sphagnum Moss, \$1.75 per large bale.
Florists' Supplies of every description.
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Tel. 1905 Madison Sq.
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Everything in Cut Flowers—the best in the market
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Tel. 3039 Madison Sq. New York City.
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Wholesale Commission Florist,
19 Boerum Place, BROOKLYN, N. Y.
Telephone 939 Main.
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Special conveniences for both Wholesalers and Retailers this season. None better in the country.

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Wholesale Cut Flower Prices.

Cincinnati, Oct. 14.

	Per 100
Beauties, Specials.....	\$25.00
Extra.....	15.00 to 20.00
No. 1.....	10.00 to 12.50
Shorts.....	4.00 to 5.00
Brides and Maids, Extra.....	5.00
No. 1.....	3.00 to 4.00
No. 2.....	2.00
Cousin.....	2.00 to 4.00
Golden Gates.....	2.00 to 5.00
Kaiserin.....	2.00 to 5.00
Liberty.....	2.00 to 5.00
Meteor.....	2.00 to 5.00
Perle.....	2.00 to 4.00
Sunrise.....	2.00 to 4.00
Carnations, Commons.....	.75 to 1.00
Selects.....	1.50 to 2.00
Fancies.....	2.00 to 3.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, strings.....	40.00 to 50.00
sprays.....	3.00 to 6.00
Sprengerl.....	3.00 to 4.00
Asters.....	.50 to 1.00
Chrysanthemums, ordinary.....	10.00 to 12.50
fancy.....	15.00 to 20.00
Dahlias.....	2.00 to 4.00
Gladiolus.....	2.00 to 3.00
Lily of the Valley.....	3.00 to 4.00
Smilax.....	12.50 to 15.00
Tuberose.....	2.00 to 3.00
Violets, ordinary.....	.35 to .50
Galax.....	.15
Common Ferns.....	.15

Baltimore, Oct. 14.

	Per 100
Am. Beauty, No. 1.....	\$10.00 to \$15.00
Shorts.....	3.00 to 8.00
Bride and Bridesmaid, No. 1.....	4.00 to 5.00
No. 2.....	3.00 to 4.00
Golden Gate.....	3.00 to 5.00
Kaiserin.....	3.00 to 4.00
Liberty.....	4.00 to 6.00
Meteor.....	3.00 to 6.00
Perle.....	3.00 to 4.00
Oochet.....	2.00 to 3.00
Carnations, Commons.....	1.00 to 1.25
Pink.....	1.25 to 1.50
Asparagus plumosus, Sprays.....	1.50 to 2.00
Sprengerl, Sprays.....	1.50 to 2.00
Gladiolus.....	2.00 to 3.00
Smilax.....	15.00 to 20.00
Violets, ordinary.....	.40 to .50

We are head-quarters for HARDY CUT FERNS!

Fancy or Dagger, 75c per 1000. Contracts made to supply the year around. Use our Laurel Festooning. It's the best decorative material to be found, we make it fresh daily 4c. 5c and 6c per yd. Bargains in Galax, A No. 1 quality, Bronze or Green, 75c per 1000 in 10,000 lots. Mosses, &c. Send us your wants and be well satisfied.



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TOP GRADE FOR SHIPPING.

AMERICAN BEAUTY, BRIDESMAID, BRIDE, LIBERTY, METEOR, LILY OF THE VALLEY, CARNATIONS.

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Tel. 3660-3661 Main.

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Wholesale Cut Flower Prices.

Chicago, Oct. 14.

	Per doz.
Beauties, 36-inch stems.....	\$3.00
" 30 ".....	2.50
" 24 ".....	2.00
" 20 ".....	1.50
" 15 ".....	1.25
" 12 ".....	1.00
Shorts.....	.75
Bridesmaids, Specials.....	Per 100
Firsts.....	\$4.00 to \$6.00
Brides, Specials.....	2.00 to 3.00
Firsts.....	4.00 to 6.00
Kaiserin.....	2.00 to 3.00
Liberty, Specials.....	4.00 to 6.00
Firsts.....	10.00
Seconds.....	6.00 to 8.00
Golden Gate, Firsts.....	3.00 to 5.00
Seconds.....	4.00 to 6.00
Meteor, Firsts.....	2.00 to 3.00
Seconds.....	4.00 to 6.00
Mme. Chatenay, Firsts.....	2.00 to 3.00
Seconds.....	6.00 to 8.00
Carnot, Firsts.....	3.00 to 5.00
Seconds.....	8.00 to 10.00
Ivory, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Sunrise, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Perles, Firsts.....	2.00 to 3.00
Seconds.....	1.50 to 2.00
Carnations, Fancy.....	1.50 to 3.00
Commons.....	.75 to 1.00
Violets.....	.75 to 1.00
Chrysanthemums, \$1.00 to \$4.00 doz.	
Dahlias.....	1.00 to 3.00
Valley.....	4.00 to 5.00
Tuberose.....	4.00 to 5.00
Adiantum cuneatum.....	.75 to 1.00
Asparagus plumosus, Strings.....	25.00 to 50.00
Sprays.....	2.00 to 3.00
Asparagus Sprenger, Sprays.....	3.00 to 6.00
Smilax.....	\$1.25 to \$1.50 per doz.
Common ferns, per 1000.....	\$1.50
Galax Leaves, \$1.00 to \$1.50 per 1000	

Milwaukee, Oct. 14.

	Per 100
Beauties, Extra.....	\$15.00 to 18.00
No. 1.....	10.00 to 12.50
Shorts.....	4.00 to 6.00
Brides and Maids, Specials.....	6.00
Extra.....	5.00
No. 1.....	4.00
No. 2.....	2.00
Golden Gate.....	4.00 to 6.00
Kaiserin.....	4.00 to 6.00
Meteor.....	4.00 to 6.00
Perle.....	4.00 to 6.00
Carnations, Selects.....	1.00
Fancies.....	1.50 to 2.00
Asparagus plumosus, Strings.....	50.00
Sprays.....	2.00 to 4.00
Sprenger.....	2.00 to 4.00
Callas.....	12.50
Chrysanthemums, Ordinary.....	6.00 to 8.00
Fancy.....	12.50 to 25.00
Dahlias.....	1.00
Daisies.....	.50
Lilium Longiflorum.....	12.50
Smilax.....	10.00 to 15.00
Violets ordinary.....	.75
extra.....	1.00
Common Ferns.....	.20

COLORADO SPRINGS, COL.—E. D. Pierce, florist at the Printers' Home, has gone to Chicago for a visit with relatives.

NEW CASTLE, IND.—On October 8 the South Park Floral Co. shipped a Dayton florist an order of 6,000 cut tea roses and Beauties.

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FLORAL COMPANY,

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Every facility for prompt shipment.
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Greenhouses at Hinsdale, Ill.

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Fresh Stock always ready for orders.
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Full line of FLORISTS' SUPPLIES and SUNDRIES.

All CUT FLOWERS in season. Send for Weekly Price List.

1,000,000 FANCY FERNS, \$1.00 per 1000. 300,000 Bronze GALAX,

\$1.00 per 1000 in 5000 lots; \$9.00 per case of 10,000.

26 Miami Ave., Detroit, Mich.

Wholesale Cut Flower Prices.

Detroit, Oct. 14.

	Per 100	
Beauties, Specials.....	\$25.00	
Extra.....	20.00	
No. 1.....	15.00	
Shorts.....	5.00 to 10.00	
Brides and Maids, Specials.....	8.00	
Extra.....	6.00	
No. 1.....	5.00	
No. 2.....	4.00	
Cusin.....	4.00 to 5.00	
Golden Gate.....	4.00 to 6.00	
Kaiserin.....	4.00 to 8.00	
Meteor.....	4.00 to 8.00	
Papa Gontier.....	4.00 to 6.00	
Perle.....	4.00 to 6.00	
Cattleyas.....	50.00	
Cypripediums.....	25.00	
Carnations, Common.....	1.00 to 2.00	
Fancies.....	2.00 to 4.00	
Adiantum Cuneatum.....	1.00	
Asparagus plumosus, Strings.....	40.00 to 60.00	
Sprengerl, Sprays.....	2.00 to 6.00	
Callas.....	12.50	
Chrysanthemums, ordinary.....	6.00 to 10.00	
fancy.....	12.50 to 25.00	
Dahlias.....	7.00 to 4.00	
Gladiol.....	2.00 to 4.00	
Lilium Harrisii.....	12.50 to 15.00	
Lily of the Valley.....	4.00 to 5.00	
Smilax.....	12.50 to 18.00	
Violets, ordinary.....	.25 to .50	
Galax.....	.15	
Common Ferns.....	.10	

Buffalo, Oct 14.

	Per 100	
Beauties, Specials.....	\$20.00 to \$25.00	
Extra.....	10.00 to 15.00	
No. 1.....	6.00 to 8.00	
Shorts.....	2.00 to 8.00	
Brides and Maids, Extra.....	6.00 to 8.00	
No. 1.....	4.00 to 5.00	
No. 2.....	2.00 to 3.00	
Carnot.....	2.00 to 8.00	
Cusin.....	2.00 to 6.00	
Golden Gate.....	2.00 to 6.00	
Kaiserin.....	2.00 to 8.00	
Liberty.....	2.00 to 8.00	
Meteor.....	2.00 to 6.00	
Mrs. Morgan.....	2.00 to 5.00	
Perle.....	3.00 to 5.00	
Sunrise.....	2.00 to 4.00	
Carnations, Common.....	.50 to .75	
Selects.....	1.00 to 2.00	
Fancies.....	2.50 to 3.00	
Novelties.....	4.00 to 5.00	
Adiantum Cuneatum.....	.50 to 1.00	
Farleyense.....	8.00 to 10.00	
Asparagus plumosus, Strings.....	40.00 to 60.00	
Sprays.....	1.00 to 2.00	
Sprengerl.....	1.00 to 3.00	
Asters.....	.50 to 1.50	
Chrysanthemums, Ordinary.....	10.00 to 15.00	
Fancy.....	20.00 to 25.00	
Dahlias.....	1.00 to 3.00	
Gladiolus.....	1.00 to 2.50	
Lilium Speciosum.....	2.00 to 4.00	
Longiflorum.....	15.00	
Lily of the Valley.....	2.00 to 5.00	
Smilax.....	12.50 to 15.00	
Violets, ordinary.....	.40 to .50	
extra.....	.60 to .75	
Galax.....	.10 to .15	
Leucothoe.....	.50 to .75	
Common Ferns.....	.10 to .15	

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No. 1.....	6.00 to 10.00	
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Kaiserin.....	4.00 to 8.00	
Liberty.....	1.00 to 4.00	
Carnations, Common.....	1.00	
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Fancy.....	2.00 to 2.50	
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NEW BEDFORD, MASS.

Business has been almost at a standstill during the past week. Flowers of all kinds except roses are very scarce. Very few carnations have as yet started to flower. Growers around here complain of a scarcity of plants this year, a number of them having to send out of town for plants enough to fill their houses. The outlook for chrysanthemums is very promising and the florists should be able to get enough here without sending out of town for them, as they have had to do in past seasons. R. H. Woodhouse and R. E. Nofftz have them planted by the thousands, and fine looking stock, too.

A. H. Jahn is putting the finishing touches on a new greenhouse.

The stores are fixing up for the winter's business, E. H. Chamberlin having put in a new tile window. William Peirce is painting inside and outside, and is also to put in a tile window. C.

CINCINNATI.

The Market.

Chrysanthemums are now beginning to arrive in large numbers and in a few days more there will be enough to fill all orders. White, yellow and pink are to be had and some of the blooms are extra fine. So far the top price has been \$2 per dozen and from that down to 75 cents. The demand has been very good, but the day is past when the retailer will give a fancy price for a 'mum just because it is early. At the present time the money is to be made from the later blooming sorts.

In other lines trade is only medium. Roses are coming in very heavily and are slow sale. Even the better quality do not move readily and short-stemmed ones are very near a glut. American Beauties, Liberties and Meteors are the exception. The former seem to be off crop at present and there are not enough to fill orders. Brides, Maids and Gates are showing a great deal of improvement in quality. Carnations are nearer equal to the demand now than at any time this season. Some very good quality blooms are to be had. A great many carnations are being shipped into this city, which has helped greatly to make up the shortage. Gov. Wolcott is showing up in especially good form and it looks as if this variety has come to make its mark. They readily bring \$3 per 100, which is high mark for carnations so far. This market is flooded with cosmos and it is exceptionally fine. Violets are plentiful and very good, with brisk sale.

Various Notes.

Saturday was the regular meeting of the Florists' Society and quite a number of the stand-by members were present. The main topic under discussion was the flower shows to be given by the society during the winter. It was finally decided that if a sum sufficient to carry on the shows can be raised they will be continued this season as usual. The first show, devoted to chrysanthemums, is to be held the second Saturday of November. The Cincinnati Florists' Society is now in its fourteenth year and it is the desire of the committee in charge to make this year's shows the best in its history. After the meeting adjourned a lunch was served and Ben George and D. Rusconi, who had charge of this feature, did themselves proud. The bronze medal of the S. A. F., awarded to Henry Weber, of Oakland, Md., for carnation Gov. Lowndes, has been received by the secretary and forwarded to Mr. Weber.

E. G. Gillett and J. A. Peterson spent a few days during the past week in Cleveland, attending the Masonic conclave. C. J. OHMER.

OXFORD, PA.—Derrick Race, one of the old-time florists here, died October 5, after a long illness. He was born in 1821.

TOPEKA, KAN.—Stock is in fine condition, roses and carnations selling well. James Hayes is due home from Europe in a few days.

RICHMOND, IND.—There is talk here that the E. G. Hill Co. may remove to some other city because of the failure to procure land for an addition to the range.

CLASSIFIED PLANT ADVERTISEMENTS.

Rates for advertisements under this head, 10 cents a line net, per insertion. New ads. and changes must reach us by Wednesday morning at latest to secure proper classification in issue of Thursday.

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Abutilons in variety, 40c doz., \$2.00 100.
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Sweet alyssum, double plant, from 2-inch pots, \$2.00 per 100. Cash with order.
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5	10 to 12	3 to 4	\$0.50
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5½	13 to 16	3 to 4 ex. broad	.75
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Asparagus comorensis, extra strong, 3-in. pots, \$8.00 100. A. plumosus nanus, 3-in. pots, \$8.00 100; 4-in., \$12.00 100. A. Sprengerii, strong, field-grown, heavily rooted and well set with eyes, 4-in., 5-in. and 6-in. pots, \$3.00, \$5.00 and \$7.00 100. Well established plants from 2½-in. pots, to be shifted to 4-in., \$4.00 100.

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2	\$0.60	\$ 4.00	\$35.00
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Prices given below include packing free of charge. All plants are shipped without pots unless otherwise ordered. Shipments are made by fast freight, if not specially directed, until frost sets in, when express is preferred. Write for my catalogue which contains conditions of sale, etc., of all plants. Cash must accompany all orders.

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BERRIED PLANTS.

Solanum ciliatum or Adams apple, large, bright red berries, 3-in. pots, 5c; 4-in. pots, 8c; 6-in. pots, 25c each. *Solanum annuum* or celestial peppers, 4-in. pots, 10c; 5-in., 20c; 6-in. pots, 30c each. *Solanum capicastrum* or Jerusalem cherry, large berry, var., 3-in. pots, 5c. Field-grown, 4-in., 8c; 5-in., 10c; 6-in., 15c. Extra fine start for 7 or 8-in. pots, 25c each. Satisfaction guaranteed. Cash.

M. F. La Roche, Collingdale, Pa.

Celestial peppers, fine plants and full of fruit, in 6-in. pots; beautiful for table decoration, \$3.00 per doz.

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Jerusalem cherry trees, field-grown, dwarf and bushy, well set with berries, \$8.00 100. Cash. Converse Greenhouses, Webster, Mass.

Celestial peppers, 5-in., \$1.50 doz., \$12.00 100. Oechslin Bros., 1688 W. Madison St., Chicago.

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Pink and white bouvardias, \$8.00 per 100; less than 100 lots, \$10.00 per 100.

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Among our specialties, boxwood, bay trees, palms, evergreens, etc.

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BULBS.

TULIPS.

	100.	1000.
Belle Alliance, true sort, bright red.	\$1.75	\$18.00
Luchesse de Parme, orange brown.	.75	6.00
Duc Van Thol, scarlet, fine forcer.	1.25	10.00
Kelzerskroon, red and gold.	1.25	10.00
La Reine, white No. 1 stock.	.75	5.75
Pottebakker, scarlet.	1.25	11.00
Yellow Prince, forces well.	.90	8.00
La Candeur, dbl., white.	1.10	9.50
All other named sorts.		
Mixed single, early, extra.	.60	5.00
Mixed single, early, fancy grade.	.75	6.00
Mixed double, early, extra.	.75	6.00
Mixed double, early, fancy grade.	.85	7.00

NARCISSUS.

	100.	1000.
Paper White grand., extra size.	1.00	9.00
Paper White grand., 13 cms.	.90	8.00
Von Sion, dbl. nosed.	2.10	18.50
Von Sion, XX 13 cms up.	1.50	13.00
Chinese Sacred, 30 bulbs.	\$1.50; \$35	100
Mixed single narcissus.	.90	8.00
Mixed dbl. narcissus, finest sorts.	1.25	10.00
Mixed Trumpets, finest sorts.	1.25	10.00

LILIES.

	12.	100.	1000.
Lil. longflo., Japan, 5x7.	\$0.30	\$2.00	\$17.00
Lil. longflo., Japan, 6x8.	.40	2.50	23.00
Lil. longflo., Japan, 7x9.	.50	3.75	34.00
True multifo., early, 10			
per cent advance over above.			
Long. gigan., scarce, 7x9.	.75	4.50	40.00
Long. candl., thick petaled.	.75	5.00	.....

ROMAN HYACINTHS.

	100.	1000.
White, 11x12.	.30	2.00
12x15.	.40	2.75

DUTCH HYACINTHS.

	100.	1000.
Named, 12, 75c, 100, \$5.00.		
Forcing grd., 17 cms, sep. col.	.60	3.50
Fine grade, 15 cms., sep. col.	.40	2.75
Miniature Dutch, Roman.		
Separate colors or named.	.30	2.00
CROCUS, Sep., colors.	.05	.25
named	.10	.50

AMARYLLIS BELLADONNA.

	100.	1000.
Fine forcer.	.60	5.00

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Longiflorums, Harrisii, freesia, oxalis, callas now ready. Send for our annual trade list of bulbs.

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Paper White grand. narcissus, selected bulbs, \$1.00 100, \$9.50 1000. French and Dutch bulbs ready.

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Freesia bulbs, selected size, 50c per 100, \$4.00 per 1000. Cash with order.

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CAMELLIA JAPONICA, 5-in. pots, 12 to 15 inches high, bushy plants, \$6.00 per doz., \$45.00 per 100. HENRY A. DREER, Philadelphia, Pa.

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50,000 cannas, 10 leaders, strong roots. Rosemawr (pink), F. Vaughan, Mme. Crozy, Queen Charlotte, Shenandoah (bronze), Souv. de Ant., Crozy, Chas. Henderson, Golden Moon, Canary Bird, Alsace, \$2.00 per 100, \$15.00 per 1000. Cash.

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Cannas. Good strong roots of America, Ale-mannia, Henderson and Duke of Marlborough, \$2.50 per 100.

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Field-grown carnations, strong and healthy.

	100.	1000.
Joost	\$3.50	Nelson \$5.00
Norway	4.00	Gov. Wolcott 5.00

Mrs. Fisher, best white for summer flowering.

	100.	1000.
Unrooted cuttings	\$0.50	\$4.00
Rooted	1.00	7.50

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Field-grown carnations, clean plants.

Genevieve Lord, Norway.

Estelle, Palmer.

Mrs. Wood, Mrs. Bradt.

Joost, Glacier.

First size, \$5.00 100; 2nd, \$2.50 100. Cash.

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	100.	1000.
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Joost	3.00	25.00

All plants guaranteed A NO. 1. If not satisfactory when received, return at once and get your money back.

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FIELD-GROWN CARNATIONS.

Fine, healthy plants, guaranteed to be satisfactory.

	Per 100.	Per 1,000.
White Cloud	5.00	40.00
Norway	5.00	40.00
America	4.00	30.00

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Carnations, Norway, extra fine, 8c; second size, 6c. Flora Hill, extra fine, 8c; second, 6c. Estelle, best red on market, extra fine, 9½c; second, 6c. 200 Dana, pink, extra fine, 8c. Cash.

These are the only varieties left.

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Field-grown carnations, strong and healthy.

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300 Glacier	5.00	100 Norway 6.00
100 M. Glory	6.00	100 Crocker 5.00

300 Gaiety, \$5.00 100.

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Field-grown carnations, strong and healthy.

	100.	1000.
1000 Dean	\$6.00	1000 Eldorado \$5.00
1000 Scott	5.00	400 Bondy 5.00
1000 Crocker	5.00	1500 Cartledge 5.00
1500 Melba	5.00	500 York 5.00

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Joost	\$5.00	Scott \$4.00
M. Glory	5.00	Daybreak 4.00
Elm City	4.00	Mrs. Fisher 4.00
Bradt	6.00	Cash with order.

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Field-grown carnations, 2000 Freedom, 500 G. H. Crane, 500 Cressbrook, \$5.00 per 100; \$45.00 per 1000.

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CARNATIONS. A snap. White Cloud, Flora Hill, G. H. Crane, Gov. Roosevelt and Marquis, fine, healthy plants; packed light. Safe arrival and satisfaction guaranteed or your money back. \$4.00 per 100. Order now.

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Surplus carnations, heeled in frames: 2000 Joost, 2000 Crocker, 500 Crane, 500 Marquis, 200 Golden Beauty, 200 Nugget, 500 McGowan, \$5.00 per 100. Best of stock.

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SURPLUS CARNATIONS. Clean, healthy plants of Norway and Queen Louise, \$5.00 100. This stock will please you.

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We are now booking orders for carnation cuttings. All our plants are vigorous and healthy. Write us.

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Field-grown carnation plants. Prosperity, \$5.00 per 100; Crocker, \$4.00 per 100.

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500 field grown Scott carnations, fine plants, \$4.00 100, or make offer for the lot.

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2000 Mrs. F. Joost, field-grown, fine plants, \$4.00 per 100.

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Review

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Stock plants sent as soon as flowers are cut. 2500 Bergmann, 1000 Henderson, 2500 Bonnafton, 500 Glory of Pacific, \$5.00 per 100.

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Cinerarias, dwarf, large flowering, 2-in., \$1.50 per 100. Cash.

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An elegant lot of established plants.

Each.
6-in. pots, 5 to 6 leaves.....\$0.50
6-in. pots, 7 to 8 leaves......75
7-in. pots, 8 to 10 leaves.....1.00
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Cycas revoluta (sago palm), perfect, 6 to 7-in. pots, 4, 5, 6, 7, 8 leaves, only 9c per leaf. Cash. Godfrey Aschmann, 1012 Ontario St., Phila.

Cycas by the 1000. Get my prices.
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Cyclamen, giant strain, well set with buds, 2½-in., \$4.00; 3-in., \$7.00 per 100. Satisfaction guaranteed. C. WINTERICH, Defiance, Ohio.

Cyclamen giganteum, 3-in., \$5.00 per 100. Cash.
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5-in. pots.....\$1.25 each, \$14.00 doz.
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8-in. pots.....4.00 each, 48.00 doz.

For large specimens, prices on application.

FERNS FOR DISHES. From 2½-in. pots, first-class stock, \$3.00 per 100; \$25.00 per 1000; 5000 for \$100.00. 3-in. pots, \$6.00 100, \$55.00 1000. 4-in. pots, \$12.00 100, \$110.00 1000.

ADIANTUM CUNEATUM, very bushy, 4-in. pots, \$12.00 100; \$110.00 1000; 500 at 1000 rate.

FERN SPORES, of all good commercial varieties gathered from our own stock, 35c per trade pkt.; 12 pkts., \$4.00.

ANDERSON & CHRISTENSEN,
Telephone Call 29-1. Short Hills, N. J.

Ferns, fine healthy plants. Alsophila australis, specimens in 11-in. pots, 5 ft., \$4.00 each, \$45.00 doz. Davallioides furcans and Boston, 6-in. pots, \$4.00 doz.; 6-in., \$6.00 doz. Lomaria gibba and compacta cordata, 5-in. pots, \$3.50 doz; 6-in., \$4.50. 5 per cent discount for cash with order.

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BOSTON FERNS. Extra good stock.
2-in., \$3.00 per 100, \$25.00 per 1000.
2½-in., \$5.00 per 100, \$40.00 per 1000.
6-in., \$5.00 per doz., \$35.00 per 100.
7-in., \$7.20 per doz., \$50.00 per 100.
10-in., \$1.50 each.

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Boston ferns, 2½-in., \$5.00 100; 3-in., \$10.00; 4-in., \$15.00; 5-in., \$25.00; 6-in., \$40.00; 7-in., \$60.00; 8-in., \$1.00 to \$1.50 each; 10-in., \$2.00 to \$2.50. Piersoni ferns, 2½-in., 35c each; 50 at 30c each, 100 at 25c; 3-in., 50c ea.; 4-in., 75c; 5-in., \$1.00; 6-in., \$1.50; 7-in., \$2.50; 8-in., \$3.00.
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Boston ferns, 5-in. pots, 25c to 35c each; 6-in. pots, 40c to 50c each. Adiantum cuneatum (Maiden hair), 4-in. pots, very bushy, \$1.80 doz. Ferns for fern dishes, 2½-in. pots, finest varieties, only \$4.00 per 100, worth \$5.00. Cash. Godfrey Aschmann, 1012 Ontario St., Phila.

Alsophila australis, specimen plants in 6-in. pots at \$1.00 each. Lomaria gibba, 6-in. pots, 25c each; the above are a snap. Mixed ferns for ferneries at \$3.00 per 100. Get our snap prices for Piersoni ferns for spring delivery. Terms cash.
F. H. KRAMER, Washington, D. C.

100,000 small ferns for fern dishes. Best commercial var. in 2½-in. pots, \$3.00 100; \$25.00 1000. Nephrolepis Piersoni, strong plants, 2½-in., \$3.00 doz., \$22.00 100. Anna Foster, strong plants, 2½-in., 75c doz., \$6.00 100. Cash. Oechsli Bros., 1688 W. Madison St., Chicago.

Boston ferns, good, strong plants, transplanted once, \$5.00 100; \$40.00 1000. From bench, transplanted several times, extra fine, from 25c to \$1.50 each. Cash.

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Small ferns, a general assortment of all the best varieties in 3-in. pots, and sufficient quantity to keep customers supplied all winter. Price, \$5.00 per 100. Write for sample.
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Ferns for dishes. Nice hardy plants of Pteris Wimsettii, P. serrulata, P. serrulata cristata, P. Ouvrardi, Aspidium thussimense and Cyrtomium falcatum, \$3.00 100, \$25.00 1000.

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Piersoni ferns by the 1000 at dead easy prices for spring delivery. Get my confidential prices. Get my price list for palms and ferns before buying, free for the asking.

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Bostons from benches, for 6 and 7-in., \$25.00 100. Will exchange for anything we can use. Write us.

J. A. Swartley & Sons, Sterling, Ill.

Boston ferns, 3, 4, 5, 6, 7 and 8 inch, at \$8.00, \$12.00, \$25.00, \$40.00, \$60.00, \$75.00 per 100. Cash, please. A. THORNHILL, Rosedale, Kan.

BOSTON FERNS. I make a specialty of Nephrolepis Exaltata Bostoniensis, \$10.00, \$15.00, \$20.00 and \$25.00 per 100. Taken from bench; extra fine plants.

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The ANNA FOSTER fern, from bench, for 6-in., \$35.00 100. Pot plants, from 50 to \$5.00 each.

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Boston ferns. Strong, from bench for 5-in. pots, 10c. Some extra big value in plants for 7-in. pots, 20c. Cash. A bargain on primulas. See our adv. Byer Bros., Chambersburg, Pa.

Fine Boston ferns, 3-in., \$10.00 per 100; also 5-in. fine, bench-grown stock, ready for 6-in., \$25.00 per 100. Cash.

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100 Boston ferns from bench. Fine, strong plants from 5 to 7-in. pots, \$20.00 cash, if taken at once. Must have this room.

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Boston ferns. Fine, strong plants from bench for 4-in., \$15.00 per 100; 5-in., \$25.00 per 100; 6-in., \$35.00 per 100. Cash.

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Primula Chinensis fimbriata alba, \$2.50 100. Storrs & Harrison Co., Painesville, O.

Baby primrose, Forbesi, 40c doz., \$2.00 100.

R. Vincent, Jr. & Son, White Marsh, Md.

Primula Chinese, 2c; obconica, 2c.

H. Ernst & Son, Washington, Mo.

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California privet, strong, well furnished plants, 2 to 3 ft., \$3.00 per 100, \$25.00 per 1000; 18 to 30-in., well branched and stocked, \$2.00 per 100, \$15.00 per 1000. Light, 15 to 20-in., good, \$1.50 per 100, \$10.00 per 1000. All are above 2 years. Strong, 1-yr. plants, 18 to 24-in., 8 or more branches, \$2.00 per 100, \$15.00 per 1000; 15 to 20-in., 2 or more branches, \$1.50 per 100, \$10.00 per 1000. All well graded and packed.

CHAS. BLACK, Hightstown, N. J.

80,000 2-year-old privet, well branched; will sell in row or block.

C. RIBSAM & SON, Trenton, N. J.

California privet in several grades. Prices on application.

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CALIFORNIA PRIVET.

2-year, well branched, extra stocky.

2 to 3 feet.....	\$2.75	1000.
1½ to 2 feet.....	2.00	\$24.00
3 to 4 feet.....	3.75	35.00

No scale or other injurious insects. State entomologist's certificate on each package. Packing free. Cash with order. 5 per cent off above prices for every cash order sent by Oct. 17. Atlantic Coast Nurseries, Office 606 Fourth Ave., Asbury Park, N. J.

CALIFORNIA PRIVET.

12 to 18 inch high, branched....	\$7.00	per 1000
18 to 24 inch high, branched....	10.00	per 1000
18 to 24 in high, heavy branched....	18.00	per 1000
2 to 2½ feet high.....	24.00	per 1000

Specimen plants, 6 years old, 4 to 6 feet, \$1.00 to \$3.00 each. Cash at these prices.

Port-au-Peck Greenhouses, Long Branch City, N. J.

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GRAFTED ROSES, fine bushy plants in 3½ and 4-in. pots. Liberty and Ivory, \$15.00 100. Bride, Golden Gate, Maid and Kaiserin, \$12.00 100.

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American Beauties	200 4-in.,	\$10.00 100
Meteors	300 4-in.,	7.00 100
Bridesmaids	50 4-in.,	7.00 100
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Low budded roses, splendid, strong plants. Magna Charta, Gen. Jacqueminot, Ulrich Brunner, Paul Neyron and Mrs. John Laing, \$12.00 per 100.

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ROSE PLANTS, healthy and strong. Beauties, 3-in., \$6.00; 3½-in., \$8.00 per 100. Brides, 3-in., \$5.00; 4-in., \$7.00 100. Maids, 3-in., \$4.00; 4-in., \$7.00 100. A. C. BROWN, Springfield, Ill.

Maids, Brides, Meteors, Golden Gates, splendid 3-in. stock, \$4.00 100; 200 for \$7.00, 1000 for \$32.50; 2½-in., \$2.50 100. Elegant plants.

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W. H. SALTER, Rochester, N. Y.

Field-grown, 2-year-old Crimson Rambler, Paul Neyron, Magna Charta, \$1.50 doz. Crimson Rambler, 4-in. pots, 75c doz.

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Field roses, 2 and 3 years old, strong on own roots. For varieties and prices see displayed adv. in this issue.

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500 Golden Gate roses, 3-in. pots, \$4.00 per 100. Good strong stock. Cash with order.

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Bridesmaid roses, 2500 extra fine, 3-in., \$35.00 1000; 500 at 1000 rate.

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700 3-year-old Crimson Rambler roses. Write for price.

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Manetti stock for fall delivery.

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Per lb.
Blanche Burpee, pure white\$0.35
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Navy Blue35
The Bride50
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white, per ¼ lb., 40c 1.00
By mail, 10c per lb. for postage.
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Marsh's pansy mixture for florists' trade packets, only 25c. Choice seed.
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Well rooted field clumps, \$2.50 100.
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Lemon verbenas, 2½-in., \$2.50 100.
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10,000 Vinca variegata, strong, field-grown, \$3.50 per 100; \$30.00 per 1,000. Fine plants from rooted tips, much better than rooted cuttings. \$1.00 per 100; \$7.50 per 1000.
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A limited number of fine field-grown Vinca variegata. Large plants, \$5.00 per 100.
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Vinca major and variegata and English ivy, field-grown, 100, \$5.00.
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Vinca var., strong, field-grown plants, \$4.00 per 100.
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2000 fine Marie Louise in bud. Just the right size to plant. \$2.50 100; \$20.00 1000. Cash with order. Send 5c for sample plant, or inquire of Ford Bros., New York, my commission men, about my violets.
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Fancy violet stock, potted, set with buds. Imperial, Swanley White, Wales, Marie Louise, Farquhar, Campbell, Hardy English, from 3, 4 and 5-in. pots, \$4.00, \$5.00 and \$8.00 100.
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20,000 VIOLETS, Campbell, M. Louise, Farquhar, Swanley, 2½-in., fine, \$3.00 100, \$25.00 1000. California, from flats, \$1.50 100. All fit to bench and No. 1. Cash, please.
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Strong, clean, healthy Marie Louise violet plants, 2½-in. pots, at \$3.00 per 100; \$28.00 per 1000. Cash with order. Sample 10c.
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15,000 violet plants, strong, healthy, field-grown clumps of Marie Louise, Farquhar and Lady Campbell, \$5.00 per 100; \$45.00 per 1000.
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5000 California and Luxonne, extra strong field clumps, \$4.00 per 100, \$35.00 per 1000. Carefully packed. Satisfaction guaranteed.
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Marie Louise violet plants, clean, healthy stock, \$20.00 per 1000; also out of 2½-in. pots, \$30.00 per 1000. Cash with order.
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Field-grown violets, fine, healthy clumps Hardy English, \$6.00 100. Campbell, \$4.00 100. Marie Louise, 2-in., \$2.00 100.
GEO. ENGEL, Xenia, Ohio.

Princess of Wales violets, field-grown plants, at \$6.00 to \$10.00 per 100; \$60.00 to \$75.00 per 1000.
WM. SIM, Cliftondale, Mass.

Healthy, field-grown clumps of Princess of Wales violets, \$5.00 100. Cash.
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Violets, California, \$6.00 100; Campbell, not so strong, \$3.00 100. Cash.
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Large clumps Campbell violets, \$4.00 per 100.
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Will exchange all sizes of privet for a limited quantity of the following: Vincas, dracaenas, asparagus, carnations, violets, palms, bulbs or anything we can use. Let us hear from you.
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A few hundred extra large, healthy field-grown violets, of very best kinds. Also rooted cuttings of geraniums, flowering begonias, heliotrope, ageratum, cuphea, etc. would exchange for some good carnation plants.
H. P. Dinsen, Pottsville, Pa.

To Exchange—1000 field-grown carnation, Al plants of Crocker, Hill, Triumph and Hoosier Maid at 4c each your selection, for hardy roses, gladioli, peonies or cannas.
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Wanted—Your surplus rose plants, they will make fine plants in one year if sent to us. We grow roses on contract. We have the land, the experienced help, the climate and the best shipping point in the south. It won't cost you much. We can plant out young roses nearly all winter. Try us. Write to
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Fancy and dagger ferns, laurel festooning, leucothoe sprays, bouquet green, etc.
H. M. Robinson & Co., 11 Province St., Boston.

Leucothoe sprays, fancy ferns, green sheet moss, sphagnum moss, etc.
L. J. Kreshover, 110 W. 27th St., New York.

Fancy and dagger ferns, evergreens, etc. Good stock, low prices.
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Galax, ferns and leucothoe sprays are our specialties. N. Lecakes & Co., 53 W. 28th St., N. Y.

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Pure pulverised sheep manure and unleached hardwood ashes. Send for sample and price.
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Galax, bronze or green, and small green galax for violets.

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Stiebert's zinc "Never-rust" glazing points. Sold by all seedsmen, or G. T. Stiebert, Pittsburg, Pa.

The "Model" glazing point. Zinc. Practical. Durable.

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Peerless glazing points are the best.
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Bull-dog hose, 7 ply, guaranteed; 1/4-in., 100 ft.
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Good Hose. J. G. & A. Esler, Saddle River, N. J.

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NICOTICIDE kills all greenhouse pests.
Sold by all seedsmen.

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Standard Pots. We are now ready to supply a superior quality of pots in unlimited quantities. Catalogues and price lists furnished on application.

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Standard Flower Pots. If your greenhouses are within 500 miles of the Capital, write us; we can save you money. W. H. Ernest, 28th and M Sts., N. E., Washington, D. C.

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Those RED pots. The right kind.
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Red pots. Write for prices and sample pot.
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Sphagnum moss. Write for prices on large quantities. Crowl Fern Co., Millington, Mass.

Fresh 5-bbl. bale, \$1.25; 3 bales, \$3.25; 5 bales, \$5.00. H. R. Akers, Chatsworth, N. J.

Sphagnum moss. Write for prices.
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American brand FLORIST FOIL—The standard foil of America.

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Wired toothpicks, box of 10,000, \$1.50.
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Excelsior carnation supports. In use 10 years. Write
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Wire work of all kinds for florists. Send for price list.
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Manufacturers of Wire Designs.

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RANDOM NOTES.

AKRON, OHIO.—Salmon & Son have added one range of carnation houses. Stock is in fine shape. Mums will be ready to cut by October 10.

CANTON, OHIO.—Charles J. Lindacher has not yet returned from Europe, but is looked for at any time now business is opening up. Charles Brown is making haste to complete the range of 35,000 square feet of glass built this season. He has a splendid location, a short distance from town, with opportunity to quadruple the size of the plant if necessary. The fine store built recently has proved a most successful drawing card,

although situated away from the center of the town.

CLEVELAND, OHIO.—This city is becoming quite a distributing center for cut flowers, a number of growers having sprung up quite recently. Chief among these is the J. M. Gasser Co.'s fine plant at Rocky River, under the management of Mr. Bartels, a most able grower. Roses are a specialty. The F. R. Williams Co. also has a large place. At West Park is the new range of Isaac Kennedy, fast getting into shape for the coming season. What struck me is the absence of Beauties, for which friend Isaac was famed in the Quaker City. I understand he is figuring on special houses for this variety. The plant of the Essex greenhouses is located a few miles out of the city, where the atmosphere is clearer and soil easier of access. M. Bloy, who has had charge of this place since spring, showed me a record of figures which makes interesting reading. From March 1 last, from six houses, each 20x100 feet, 111,000 roses were cut and disposed of through one of the commission houses here. Three houses of Beauty grown for successive crops, Queen of Edgely growing in one bench with same treatment, two houses each of Meteor, Brides and Maids and ten houses of carnations is the extent of this flourishing establishment. Enchantress, Bradt, Lillian Pond, Crane, Apollo, Mrs. Potter Palmer are the chief varieties grown, including the up-to-the-present matchless Lawson, loaded with bud and bloom. The divine flower has made excellent growth in this section during the summer, which was a rather dry one. The prospect for good crops was never better. Herman A. Hart, Graham & Son and G. W. Smith have every available foot of space occupied with salable stock. At Glenville August Schmitt has cut Monrovia, his earliest yellow chrysanthemum, a fine crop that finds prompt sale in the market. His whole stock shows high cultivation. James Eadie reports a big demand in connection with the visit of the Knights Templars. Smith & Fetters have also some large orders on hand. Altogether the season promises well. The Grant-Wilson Co. makes a fine display in its large handsome show room. The weekly Monday evening meetings bring together a large number of the craft, when for an hour or two a social time takes the place of business. It interested the writer, listening to the remarks between deals, to hear Herman Hart describing to Adam Graham his experience among the Highlands of Scotland, Kennedy buzzing Bloy how he managed to keep down mildew this fall, Gordon Gray with Fred Aul discussing the appearance of disease in the supposedly perfectly healthy Harrisii. Charlie Schmitt decided to go to Bermuda on a tour of inspection for his wedding trip. The meeting broke up after arranging to pay a visit to Robert George, at Painesville, where the stock of The Storrs & Harrison Company is in prime shape and where everyone is made welcome. M.

For Sale **OR WILL TRADE**
for Crotons or
Lycopodiums,

300 Mrs. E. A. Nelson Carnations,
second size, 8c; 500 Marquis, 5c,
field plants.

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ASPARAGUS SPRENGERII.

2-inch pots.....\$2.00 per 100
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Between 28th and 29th Streets.

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Bridesmaid Roses

2500 extra fine 3-inch.....\$35.00 per 1000
500 at 1000 rate.

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Asparagus Plumosus Nanus, strong, 2½-inch,
\$3.00 per 100; \$25.00 per 1000.

Asparagus Sprengerii, \$2.00 a 100;
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CASH PLEASE.

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**YOU WILL FIND.....ALL THE BEST OFFERS
ALL THE TIME IN THE REVIEW'S
CLASSIFIED ADVS.**

Room is needed for the great importation of **AZALEAS, etc.** which I myself selected on my trip to Belgium and vicinity this summer and which is expected to arrive every day. Now is the time and the only time to buy your **ARAUCARIAS, PALMS, etc.** for your fall and winter trade while the prices are low and plants the best in the market. I now offer these plants at extremely low prices and where is the man who can beat such stock as I offer for little money.

ARAUCARIAS OUR SPECIALTY.

Araucarias, 5-in. pots, 3-4 tiers, 10-12 inches high, only 50c each.

Araucarias, 5½-in. pots, 3-4 tiers, 12-16 inches high, 60c each.

Araucarias, 5½-in. pots, 3-4 tiers, 12-16 inches high, extra fine, very broad, 75c each.

Araucarias, 6-in. pots, 4-5 tiers, 16-20 inches high, 8c, 9c and \$1.00 each.

Ficus Elastica (Rubber Plants), fine, strong plants, 4-in. pots, 25c each; 6-in. pots, very fine \$1.00-\$5.00 per doz.

Kentia Forsteriana, 5½-in. pots, 36-42 inches high, clean plants, 75c-\$1.00 each.

Kentia Forsteriana and Belmoreana, 4-in. pots, fine, clean stock, \$15.00 per 100.

Areca Lutescens, 4-in. pots, \$10.00 per 100.

Cycas Revoluta (Sago Palm), perfect, 6-7-in. pots, 4, 5, 6, 7, 8 leaves to the plant, only 9c per leaf.

Boston Ferns, 5-in. pots, 25c-35c each; 6-in. pots, 40c-50c each.

Asparagus Plumosus Nanus, 3-in. pots, \$10.00 per 100.

Adiantum Cuneatum (Maiden's Hair Fern), 4-in. pots, very bushy, \$1.80 per doz.

Primula Chinoensis, for Xmas blooming, all colors, 4-in. pots, \$5.00-\$7.00 per 100.

Ferns (for fern dishes) 2½-in. pots, finest varieties only, \$4.00 per 100, worth \$5.00.

Cineraria Hybrida (Michell's finest strain), 3-in. pots, \$2.25 per 100.

Vinca Variegata and English Ivy (field-grown), strong, bushy plants, only \$5.00 per 100.

Azalea Indica, for Xmas forcing, pot-grown. Deutsche Perle, Simon Mardner, Vervaeana, also from 10-16 more good varieties for Easter forcing, at 40c, 50c, 75c and \$1.00 and more each.

Cash with order please. Plants are shipped at purchaser's risk. Please state if pots are wanted.

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Wholesale Grower and Importer of Pot Plants,

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SAN FRANCISCO.

The Market.

Chrysanthemums are here in abundance, both those grown out of doors and forced flowers from the greenhouses. The outdoor blooms are grown entirely by the Chinese in the neighborhood of San Mateo and Burlingame and can be bought as low as 5 cents per dozen, but the better quality brings about 20 to 25 cents per dozen, and they are almost as large as those brought from under glass. They are shorter of stem, of course, and the flowers do not have as fine a texture. In the neighborhood of San Rafael the climate seems to suit the chrysanthemum very well and the yellows, especially Bonaffon, cannot be beaten anywhere. Carnations are somewhat scarce, as most of the growers are throwing out the old stock and the young plants will not be in bloom for several weeks yet. Prices remain about the same as last week. Roses are not plentiful either, although the quality is somewhat improved. Kaisers and Testouts bring from 50 cents to 75 cents wholesale; Brides and Maids about the same price; American Beauties from \$1 to \$2 per dozen and fancy stock very scarce. Smilax is offered at any price and the summer crop of maidenhair is getting well sold out. Cosmos is now in its prime, and is used in large quantity for decorating. Violets are scarce and of poor quality; they bring from 75 cents to \$1 per dozen bunches. Japanese lilies are almost out of business, and in a week or two will have entirely disappeared.

Notes.

H. Ratfisch, of Berkeley, has been very busy for the last two weeks, replanting his carnation houses. He had splendid success last season and will force for the coming year principally Estelle, Cressbrook and Queen Louise.

A visit to the nurseries of Ferrari Brothers shows everything in readiness for another season's hard work. This firm has an enviable record for forcing high-class roses and their reports are that they have been unable to fill half the orders offered them.

F. Ludemann, of the Pacific Nurseries, reports splendid business in Japanese lily bulbs and palm seeds. Although it is somewhat early regarding nursery orders, Mr. Ludemann has splendid prospects for a good season's business.

Sievers & Boland report business far ahead of last year at this time. They are showing some very artistic window decorations that might be copied by some of the other retailers with considerable benefit to themselves. G.

FLUSHING, L. I.—Joseph Zimmer, an employe of H. D. Darlington, died September 28, of lockjaw, as the result of running a splinter of wood into his hand several days before.

WASHINGTON, D. C.—Mrs. Stauff, who has been supplying the trade with galax, etc., is now handling carnations, etc., at wholesale, her place being at 814 Rhode Island Ave., N. W.

EAST BRIDGEWATER, MASS.—Walter P. Lothrop has six acres of dahlias, including 393 named varieties. The garden committee of the Massachusetts Horticultural Society, under the leadership of Patrick Norton, recently inspected the fine show.

100,000 SMALL FERNS.

NEPHROLEPIS PIERSONI, strong plants, 2 1/4-inch pots, \$3.00 per 100; \$25.00 per 1000.

NEPHROLEPIS ANNA FOSTER, strong plants, 2 1/4-inch pots, 75c per doz.; \$6.00 per 100

PRIMROSES.

OEOONICA GRANDIFLORA, ALBA,

ROSEA, FIMBRIATA, \$3.00 per 100; \$25.00 per 1000

Cash.

OECHSLIN BROS., 1688 W. Madison St., Chicago.

Field-Grown Carnation Plants

STRONG and HEALTHY.

1000 DEAN.....	\$6.00 per 100
1000 SCOTT.....	5 00 "
1000 CROCKER.....	5.00 "
1500 MELBA.....	5.00 "
1000 ELDORADO.....	5.00 "
400 BONDY.....	5.00 "
1500 CARTLEDGE.....	5.00 "
500 DUKE OF YORK.....	5.00 "

Pink and White Bouvaria in hundred lots; \$3.00 per 100; less than 100 lots, \$10.00 per 100.

Field-grown Smilax plants, \$3.00 per 100; \$25.00 per 1000.

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1217 Arch St., PHILADELPHIA, PA.

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CARNATIONS.

...Field-Grown. Clean Plants...

G. Lord, Norway, Estelle, P. Palmer, Mrs. Bradt, Glacier, Joost, Mrs. Wood, 1st size \$5.00 per 100; 2nd size, \$2.50 per 100.

Boston Ferns, from 3, 4 and 5-in. pots, \$10.00, \$15.00 and \$25.00 per 100. Rubbers, top layer, 4-in., \$2.00 per doz., 5-in., \$3.00 per doz. Irish Juniper, extra fine, 3 to 4 feet trees, \$12.50 per 100.

Not less than 25 plants at 100 rate. Terms Cash.

JOSEPH HEINL, -- Jacksonville, Ill.

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CARNATION CUTTINGS

We are now booking orders for Carnation Cuttings. All orders will be filled strictly in rotation as received. Send in your orders at once and get the early plants.

We have the following varieties from which we can supply cuttings and will sell at the market prices for good stock:

Enchantress	Fair Maid	The Queen
Boston Market	Gov. Wolcott	Eldorado
Bradt	Prosperity	Manley
E. Sheppard	Adonis	Joost
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All our plants are vigorous and healthy and having the best facilities for rooting we are prepared to fill large or small orders.

Long Distance Telephone.

BACKER & CO., Billerica, Mass.

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4000 EXTRA FINE

Field Carnations.

Glacier, Joost, Jubilee and Maceo, \$4.00 per 100; \$30.00 per 1000. 500 at 1000 rate. Light packing.

FURROW BROS., Guthrie, Okla.

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Carnations-A Snap!

White Cloud, Flora Hill, G. H. Crane, Gov. Roosevelt and Marquis, fine healthy plants. Packed tight. Safe arrival and satisfaction guaranteed or your money back.

\$4.00 per 100, ORDER NOW.

FRANK BERRY, Stillwater, Minn.

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Best commercial varieties, in 2 1/4-inch pots, \$3.00 per 100; \$25.00 per 1000.

Field-Grown

Carnation ...Plants

Per 100 Per 1000

12,000 Joost, \$3.00 \$25.00

15,000 Marquis 3.00 25.00

Fine strong, healthy plants.

The large surplus of plants which we have left enables us to select the very best stock there is to be had.

Order at once and get first choice.

Geo. Reinberg,
51 Wabash Avenue, CHICAGO.

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Carnation FOR SALE ..Plants

Extra Strong Field-Grown for immediate delivery:

400 F. Joost.....	\$5.00 per 100
400 Elm City—White.....	6.00 "

Also for Nov. 1st delivery:

1000 McGowan..	Extra strong and well budded.
2000 Elm City...	
1000 Scott.....	Prices on application.

FRANK H. KIMBERLY,

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BEGONIA — Gloire de Lorraine

Strong, healthy plants, in 2-inch pots,
\$12.00 per 100.

Hardy English Ivy,

Strong, 3-inch pots, \$5.00 per 100;
\$40.00 per 1000.

I. H. MOSS, Govanstown, Baltimore, Md.

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ARAUCARIA EXCELSA

2-inch pots, two tiers, \$16.00 per 100.

Araucaria Imbricata

2 1/4-inch pots, strong plants, \$10 per 100.

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BARGAINS IN PALMS

We have a quantity of large and medium sized stock for decorative purposes. Must have room.

LET US MAKE YOU PRICES.

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LOOK!

Don't miss these **BERRIED PLANTS FOR CHRISTMAS**. Elegant clean, strong stock; full of berries; fine color.

Solanum Ciliatum or Adam's Apple, 3-in. pots, 5c; 4-in. pots, 8c; 6-in. pots 25c.
Solanum annuum or Celestial Peppers, 4-in. pots, 10c; 5-in. pots, 20c; 6-in. pots, 30c.
Solanum Capsicastrum or Jerusalem Cherry, 3-in. pots, 5c. Field-grown, 4 in. pots, 8c; 5-in. pots, 10c; 6-in. pots, 15c. Extra fine stock for 7-in. or 8-in. pots, 25c each.
Genista, large flowering variety, 3-in. pots, 5c; 4-in. pots, 10c. These are very strong, large plants, ready to shift.
Hydrangea Otaksa, pink or blue, 3-in. pots, 5c; 4-in. 8c. Field-grown, 6-in. pots, 15c; 7-in. pots, 20c; 8-in. pots, 25c.
Dracaena Indivisa, 5-in. pots, 15c.
Stevia Variegata 3-in. pots, 5c; 4-in. pots, 10c.
 Cash. Satisfaction assured. Liberal count.
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BOSTON FERNS	PIERSONI FERNS
2 1/4-inch \$5.00 per 100	2 1/4-inch 85c each
3 " 10.00 "	50 " at 30c "
4 " 15.00 "	100 " at 25c "
5 " 25.00 "	3-inch at 50c "
6 " 40.00 "	4 " at 75c "
7 " 60.00 "	5 " at \$1.00 "
8 " \$1.40 to \$1.50 each	6 " at 1.50 "
10 " 2.00 to 2.50 "	7 " at 2.50 "
	8 " at 3.00 "

Asparagus Plumosus, 2-in., \$5.00; 3-in., \$8.00; 4-in., \$15.00 per 100. **Asparagus Sprengerii**, 2-in., \$3.50; 3-in., \$5.00; 4-in., \$10.00 per 100.
 Order 2-in. **Cinerarias**, **Chinese Primroses** and **Obconica**. Cut **Roses** and **Carnations**.
Mrs. Joost and Mrs. Fisher carnations, extra fine plants, \$5.00 per 100. Write—

GEO. A. KUHLE, Pekin, Ill.
 Mention the Review when you write.

ORCHIDS.

Arrived in splendid condition a grand lot of **Cattleya labiata**; also **C. Maxima**. Write for prices.

Lager & Hurrell, Growers and Importers... **Summit, N. J.**
 Mention the Review when you write.

JOHN SCOTT,

Keep 81 Greenhouses, Brooklyn, N. Y.
 Headquartersfor **Bostons**

Fine "**PIERSONI**" in 2 1/4-inch pots.
 The Cottage Gardens' Collection of **Cannas**.
 Grand stock. Send for particulars.

S. S. SKIDELSKY,

708 North 16th Street,
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CORRESPONDENCE SOLICITED.
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1,000,000 Unrooted Cuttings Now Ready.

White.				Scarlet.			
100	1000	5000		100	1000	5000	
Queen Louise.....	\$0.75	\$ 7.00	\$ 80.00	Estelle.....	\$1.00	\$ 9.00	\$ 40.00
Flora Hill.....	.75	7.00	80.00	Mrs. Palmer.....	1.00	9.00	40.00
Norway.....	.75	7.00	80.00	Apollo.....	2.00	16.00	75.00
White Cloud.....	.75	7.00	80.00				
Alba.....	1.80	15.00	120.00				
Wolcott.....	1.80	15.00	120.00				
Lillian Pond.....	3.00	25.00	115.00				
Pink.				Crimson.			
Lawson.....	.75	7.00	80.00	Harlowarden.....	2.50	22.00	100.00
Marquis.....	.75	7.00	80.00	Gov. Roosevelt.....	.75	7.00	30.00
Genevieve Lord.....	.75	7.00	80.00	Gen. Maceo.....	.75	7.00	30.00
Argyle.....	.75	7.00	80.00	Gen. Gomez.....	.75	7.00	30.00
Mermaid.....	.75	7.00	80.00	Harry Fenn.....	1.00	9.00	40.00
Guardian Angel.....	.75	7.00	80.00				
Cressbrook.....	1.25	10.00	45.00				
Higinbotham.....	1.25	10.00	45.00				
Mrs. Theo. Roosevelt.....	3.00	25.00	125.00				
Success.....	3.00	25.00	100.00				
Scarlet.				Yellow.			
Crane.....	.75	7.00	80.00	Eldorado.....	.75	7.00	30.00
America.....	.75	7.00	80.00	Gold Nugget.....	1.00	9.00	40.00
				Golden Beauty.....	1.50	14.00	65.00

Prepaid to your city at above Spot Cash Prices.

California Carnation Co., L. Box 103. Loomis, Cal.

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Winter Flowering Roses.

Fine healthy stock from selected cuttings. **Sunrise**, **American Beauty**, **La Franco**, 3-in pots, \$7.00 per 100.

Brides, **Maids**, **Golden Gates**, **Meteors**, **Safrano**, **Bon Silene**, **Mme. Hoste**, **Papa Gontier**, 3-in. pots, \$5.00 per 100.

GRAFTED ROSES. Fine bushy plants in 3 1/2 and 4-in. pots.

Liberty, **Ivory**, \$15.00 per 100. **Brides**, **Maids**, **Golden Gates**, **Kaiserin**, \$12.00 per 100.

J. L. DILLON, BLOOMSBURG, PA.

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500,000 Herbaceous Plants

IN ALL THE LEADING VARIETIES at ridiculously Low Prices.

ASK FOR OUR SPECIAL OFFER.

BOBBINK & ATKINS, Rutherford, N. J.

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Heacock's Palms....

See price list, page 815, issue of Oct. 8.

JOSEPH HEACOCK, WYNCOTE, PA.

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FIELD-GROWN CARNATIONS.

300 Joost.....10c, \$6.00	100 Norway...10c, \$6.00
300 Glacier.... 5.00	100 Crocker... 5.00
100 M'n'g Glory " 6.00	300 Gaiety..... 5.00
875 Alba..... 5.00	

ROSE PLANTS.

200 4-inch American Beauties.....	\$10.00 per 100
300 4-inch Meteors.....	7.00 per 100
50 4-inch Bridesmaids.....	7.00 per 100
200 2 1/4-inch Balduins.....	4.00 per 100

Boston Ferns—7-inch, \$1.00 each; 8-inch, \$1.25 each; 9-inch, \$1.50 each. CASH OR U. O. D.

W. J. & M. S. VESEY, Ft. Wayne, Ind.

WASHINGTON.

Business for the last month has been soaring upward and prices for stock of all kinds likewise. Maids and Brides are bringing from 6 to 8 cents, Beauties 12½ to 25 cents. Carnations are scarce and among the local growers they are a partial failure; they are bringing 2 to 3 cents. Outdoor stock of all kinds has been a glut on the market, but on account of the wind and rain a great portion has been destroyed.

Constant Ponnett is about to open a handsome up-town store.

Both brothers of A. Gude & Bro., N. Studer, Henry Pfister, late of the White House, and your scribe attended the sale of R. Craig & Son, at Philadelphia, and came home loaded with bargains.

Notices have been sent to the bowlers to get together for November 15, to meet the Baltimore and Philadelphia teams, to bowl for the Kramer cup.

F. H. KRAMER.

CLEVELAND.

The pleasant weather for the past week has brought lots of good roses and carnations into market, and whole loads of dahlias. We haven't had our usual early frosts, and every one has lots of flowers still blooming outdoors, which holds back the demand, which is bound to come after the first frosts. Prices are still unchanged, and the demand was for good stock the past week on account of the Knights Templar conclave, most of the downtown stores having decorations for the commandery headquarters. Chrysanthemums are more plentiful, and are quoted at \$10 to \$15 per 100.

Some late asters and early mignonette were seen at the F. R. Williams Co.'s store Saturday.

J. Kirschner was in Chicago on business last week.

SEACLIFF, L. I.—W. H. Waite, formerly gardener to Samuel Untermeyer, is starting in the commercial end of cut flower growing under most favorable auspices.

TONAWANDA, N. Y.—While repairing a broken pane of glass in his greenhouse recently, Julius Schultz cut into an artery in his wrist and was in a precarious condition before assistance arrived.

PAWTUCKET, R. I.—The show of autumn flowers, October 3 and 4, by the Fairlawn Improvement Society was very successful. The judges were E. F. Woods, of Central Falls; H. C. Soule, of Pawtucket, and W. L. King, of Attleboro.

BARGAIN IN ROSES

Maids, Brides, Meteors, Golden Gates, splendid 3-in. stuff, \$4.00 per 100; 200 for \$7.00; 1000 for \$32.50. Elegant plants, in finest possible condition to plant for winter bloom. 2½-in., \$2.50 per 100. **CARNATIONS**—Joost, Triumph, Cressbrook, Bradt, Armazindy, Bon Homme, Wm. Scott, very strong and branchy, \$5.00 per 100; \$45.00 per 1000. Stock absolutely certain to give entire satisfaction. 500 ft. 4-in. wrought iron hot water pipe, \$9.00 per 100. 500 ft. Hitchings 4-in. hot water pipe, \$12.00 per 100.

W. H. GULLETT & SONS, LINCOLN, ILL.

SMILAX

5000 extra strong Smilax plants, 2-inch, at.....\$1.00 per 100
Asparagus Sprengeri—From February sown seed, 2-inch pots..... 2.00 "
1000 Norway Carnation Plants, to close out..... 3.50 "

JOHN BROD, - - - Niles Center, Ill.

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AZALEA INDICA.

Shipments arriving in fine condition.

Are offering best American market varieties ONLY. No cheap, assorted case lots. 10 to 12-inch crowns, per 100, \$35.00
 12 to 14-inch crowns, per 100, \$45.00; 14 to 16 inch crowns, per 100, 55.00

Adiantum Cuneatum. 2½-inch, \$2.50 per 100

Assorted Ferns. For Dishes, \$2.50 per 100

BOSTON FERN. 2½-inch, \$4.00 per 100

Asparagus Sprengeri.

2½-inch.....\$3.00 per 100

Primula Chinensis Fimbriata Alba. \$2.50 per 100.

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Etc.

The STORRS & HARRISON CO., Painesville, O.

DECORATORS

Send for these large plants while the weather is mild and plants can be shipped safely by freight.

COCOS BONETTI, tub, 54 to 60 inches high, 12 to 14 leaves.....\$35.00 each
 " " tub, 46 to 48 " 9 to 11 " 15.00 "
 " " tub, 26 to 28 " 7 to 8 " 10.00 "
 DICKSONIA ANTARCTICA, tub, 48 to 54 inches high, 20 to 24 leaves..... 33.00 "
 LATANIA BORBONICA, large specimens, in fine shape..... 35.00 "
 RHAPIS FLABELIFORMIS, a very nice pair..... 15.00 "
 KANTIA BELMOREANA, a beautiful specimen..... 60.00 "
 " smaller specimens at from.....\$10.00 to 40.00 "
 PHOENIX CANARIENSIS, specimens of all sizes, from..... 10.00 to 40.00 "
 PHOENIX RECLINATA, a fine specimen..... 25.00 "
 CYCAS REVOLUTA, a very nice pair..... 15.00 "

Send for complete illustrated price list, mailed free.

THE GEO. WITTBOLD CO., 1657 Buckingham Place, CHICAGO

Mention The Review when you write

WE NEED ROOM

AND OFFER A LOT OF

Grevillea Robusta in 2½-in. pots, strong plants at \$2.50 per 100

Asparagus Sprengeri in 2½-in. pots, ready for another shift, at \$2.00 per 100. Samples sent on application.

Boston and Compacta Ferns strong pot-grown plants in all sizes. Also

Rubbers and Araucaria Excelsa at prices on application.

Ridge Lawn Greenhouses,

Pine Ridge, BUFFALO, N. Y.

Mention the Review when you write.

Primroses..

Chinese, single, mixed, 2½-inch pots..... \$2.00 Per 100
 Obconica, alba and roses, 2½-inch pots..... 2.00
 Asparagus Sprengeri, 2½-inch pots..... 2.00
 Plumosus..... 2.50
 P. W. Narcissus, bulbs..... 1.00
 Pansy Plants, \$3.00 per 1000..... .50

CASH.

JOS. H. CUNNINGHAM

DELAWARE, OHIO.

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You will find ALL the BEST offers ALL the time

IN THE Review's Classified Advs.

Beach the Florist Leads Why not buy Direct? "ECLIPSES THEM ALL."

Beach's Ponderosa Pansy—Stock limited; will plant nearly an acre, absolutely for seed, next year; no oz.'s for sale; (1) pkt. \$1.00, 10 plants \$1.00; delivery Sept. 15 and thereafter; orders booked now; every up-to-date florist should have them as this valuable strain pleases the public and there is money in it for every florist. **Roses**—For fall and winter blooming, set with buds; Perles, Meteors, Maids, Brides and Gates, two years old, from 3 and 4 in. pots that retail quickly at 35c to 50c each, also on their own roots, at 6c and 8c each. **Leading Mums**—In pots, 4, 5 and 6-in., 15c, 25c and 50c each. Fall and winter stock for cuttings from 3, 4 and 5-in. pots, at \$8.00, \$10.00 and \$15.00 per 100.

Geraniums—Pink, white, red and scarlet, single and double. Vincas—3 and 4-in. pots, 5c and 10c each. English Ivy—3 and 4-in. pots, 5c and 10c each. Fuchsias—3 and 4-in. pots, pink, white and dark blue, 8c, 10c and 15c each. Sweet Scented Geraniums—3 and 4-in. pots, 8c and 10c each. Coleus—3 and 4-in. pots, fancy, 8c and 10c each. Hydrangeas—3 and 4-in. pots, 10c and 25c each. Hibiscus—3 and 4-in. pots, 15c and 25c each. Boston Ferns—20c, 40c and 75c each. Palms—25c, 50c, 75c and \$1.00 each. **Fancy Violet Stock**—Potted, set with buds, Imperial, Swanley White, Wales, Marie Louise, Farquhar, Campbell, Hardy English, from 3, 4 and 5-in. pots, at \$1.00, \$5.00 and \$6.00 per 100.

Choice Carnations on application.

David S. Beach, Box 253, Bridgeport, Conn.

STORE:

36 Post Office Arcade.

GREENHOUSES:

282 Park Avenue.

Mention the Review when you write.

ALYSSUM, 3-inch, strong plants, \$3.50 per 100.
 Jerusalem Cherry Trees, field-grown, dwarf and bushy, well set with berries, \$8.00 per 100.
 English Ivy, field-grown, stocky plants, \$5.00 per 100.
 Hydrangeas, finest lot you ever saw, field-grown, with 8 to 10 flowering shoots, \$12 a 100.
 Violets—California, extra strong plants, field-grown, \$6.00 per 100. Campbell, not so strong, field-grown, \$3.00 per 100. **Boston Ferns**—From 2½, 3, 4, 5, 6-inch pots, \$5.00, \$10.00, \$25.00, \$35.00, \$50.00 per 100. Cash or C. O. D.

Converse Greenhouses, Webster, Mass.

Mention the Review when you write.

PANSY plants, giant mixed, per 100, 40c; per 1000, \$2.00. Rex Begonia, 2½ and 3-inch, 3c. Begonia Double Semperflorens, Triumph de Lorraine, strong 2½-in., 3c. Primula Chinensis, 2c. Obconica, 2c.

HENRY ERNST & SON, Washington, Mo.
 Mention Review when you write.

GROWERS ALL OVER THE COUNTRY WRITE SIMILAR LETTERS

OSSINING, N. Y.
I have used your FUMIGATING POWDER for some years and I have always found it first-class; there is no danger of it killing anything except the green fly, which it does with dispatch. I never use anything else for insecticide, nor do I wish anything better.
Yours truly,
C. BARSON.

BATH, ME.
We use your Fumigating Powder and we are never troubled with aphids; it does not harm the blooms in the least, and we find it the cheapest way to fumigate—and we have tried everything that is on the market.
Yours truly,
JOHN H. RAMSEY & CO.

NORTHAMPTON INSANE HOSPITAL, MASS.
After using your Fumigating Powder I must say that in fifteen years' experience with various methods of killing aphids, I find this the most effectual and economical method I have yet tried.
Yours respectfully,
GEORGE W. THORNILY.

BAYSIDE, N. Y.
I have been using your Fumigating Powder for the last three years and find it very effective. It is cheaper than the extracts and does not shrivel the carnation as stems do. Smoking two nights in succession will kill the green fly.
Yours truly,
WM. BELL.

We will mail at your request our booklet telling about the FUMIGATING KIND TOBACCO POWDER. We guarantee satisfaction or money back. Free trial bags for the asking. THE H. A. STOOHOFF CO., Tobacco Powder Hobbyists, 118 West St., New York.

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Geraniums, Etc.

From 2 1/4-inch pots. GOOD STOCK.

Not less than FIVE of any one variety sold.

	Per 100	Per 1000
Abutilon, in variety.....	40c	\$2.00
Acalypha, Macateana.....	40c	2.50
Ageratum, Stella Gurney and white, 40c		2.00
Baby Primrose, "Primula Forbesii", 40c		2.00
Coleus, 10 varieties.....	40c	2.00
GERANIUMS, double, single and scented, in good variety, young, healthy stock.....	40c	2.00
Hardy English Ivy.....		2.00
Holt's Mammoth Sage.....	40c	2.00
Lemon Verbena.....		2.50
Lantanas, 10 varieties.....	40c	2.00
Parlor Ivy.....	40c	2.00
Pilgryne Suavis.....	50c	2.50
Strobilanthes Dyerianus.....	50c	2.50
Swainsona Alba.....	40c	2.00
Roses.....	40c	2.00
Tritoma Pfitzeri, 2 1/4-inch pots.....	75c	4.00
Uvaria, 2 1/4-inch pots.....	60c	2.50

Notice our Vegetable Plant advertisement in this issue. Cash with order please. Write for prices on large lots for future delivery. Send for Trade Price List.

R. VINCENT, JR. & SON,
WHITE MARSH, MD.

Mention the Review when you write.

DESIRABLE STOCK TO PLANT.

Asparagus Comorensis—Extra strong 3-inch pot plants, now throwing heavy growths, \$8.00 per 100.
Asparagus Plumosus Nanus—Our plants are exceptionally fine this season. Buy now for fall and holiday sales. From 3-in. pots, strong, shapely plants, \$8.00 per 100; 4-in. pots, \$12.00 per 100.
Asparagus Sprengeri—Strong, field-grown plants, heavily rooted and well set with eyes. Far superior to pot plants. Nice clumps ready for 4-in., 5-in. and 6-in. pots, \$3.00, \$5.00 and \$7.00 per 100. Well established plants from 2 1/4-in. pots, should be shifted to 4-in. pots, \$4.00 per 100.
Carnation G. H. Crane—We have several hundred large bushy plants that have not been frosted. \$5.00 per 100.
Smilax—Well rooted field clumps, \$2.50 per 100.

Nathan Smith & Son, Adrian, Mich.

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ARE YOU USING

The Model Extension Carnation Support

If Not, Why Not? Over Three in use Million

Our Catalogue can be had for the asking. It tells why you should use them.

The Parker-Bruen Man'g Co. Inc.,
206-8 Jersey St., HARRISON, N. J.

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Always Mention the....

Florists' Review

When Writing Advertisers.

Field Roses.

2 and 3 years old, strong, on own roots.

I—MONTHLIES—Agrippina, Bridesmaid, Bon Silene, C. Souper, Cornelia Cook, Duchesse de Brabant, Golden Gate, Ivory, Isabella Sprunt, La France, Le Pactole, Mme. de Graw, P. Gontier, Pink Dally, Queen Scarlet, Safrano, The Bride.

II—HYBRIDS—Anne de Diesbach, Boule de Neige, Baron de Bonstetten, Capt. Christy, Coquette des Alps, Chas. Lefebvre, Cardinal Patrizzi, Countess of Oxford, Dr. Hogg, Empress of India, Eliza Boelle, Fisher Holmes, Gloire Margottin, Gloire Lyonnaise, Gypsy, John Hopper, La Reine, La Rosiere, M. P. Wilder, Marie Bauman, Mrs. John Laing.

III—MOSS ROSES—Capt. Ingram, Crimson Globe, Centifolia, Crested, Capt. Brasseur, Glory of Mosses, Blanche Moreau, Mousseline, Zenobia.

IV—CLIMBERS—A. Carriere, Baltimore Belle, C. Souper, Greville, Gem of the Prairie, Pride of Washington, Queen of the Prairie, Pride of the South, Martha Washington, Empress of China, W. A. Richardson, Pink and Yellow Ramblers, Mandas Wichuriana, etc.; As long as unsold at \$1.25 per doz.; \$9.00 per 100, in mixture. One year old, 3/4, and from 2 1/4-inch pots, 1/2 of price. Cash.

Decorative Foliage and Bedding Plants and Rooted Cuttings, also Cut Flowers.
N. STUDER, ANACOSTIA, D. C.

Mention the Review when you write.

75,000 Geranium Cuttings.

Our cuttings this fall are perfection. Order now and secure the best stock of the only ones to grow for profit. Jean Viaud (pink), S. A. Nutt (crimson), Alp. Ricard (scarlet), Mme. Buchner (white), Mrs. E. G. Hill, Beaute Poitevine (salmons), all semi-double, strong rooted cuttings, \$1.25 per 100; \$12.00 per 1000.

Field Plants of the above varieties, 12 to 18 inches high, \$1.00 per 25; \$3.00 per 100.

Petunias—Double fringed, 12 varieties selected from Henderson's and Dreer's latests sets, including **Snow Storm**, strong rooted cuttings, \$1.00 per 100; \$9.00 per 1000.

Salvia—The two best, St. Louis and Bonfire, rooted cuttings, \$1.00 per 100; \$8.00 per 1000.

Smilax—Strong plants from 2 1/4-inch pots, \$1.00 per 100; \$8.00 per 1000. Samples gladly sent.

Carnations—Cut blooms of all the standard sorts. First quality, \$1.50 per 100; seconds, short stem for design work, \$1.00 per 100.

THE W. T. BUCKLEY PLANT CO.
SPRINGFIELD, ILL.

Mention Review when you write.

Commercial Violet Culture.

BY B. T. GALLOWAY.

This is the Second Edition of this very successful book revised and brought up to date.

Fully illustrated and handsomely printed.

Sent postpaid on receipt of \$1.50.

FLORISTS' PUBLISHING CO.

530 Caxton Building,
334 Dearborn St.,

Chicago.

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TO-BAK-INE

APHIS....PUNK

DEATH TO THRIPS

Green and Black Fly

and all Greenhouse Pests

Specially prepared paper thoroughly saturated with **PURE NICOTINE**

Can be **EASILY** used

POSITIVELY EFFECTIVE

FREE FROM AMMONIA

Will not injure any greenhouse plants.

1 Box (12 Rolls).....\$0.60

1 Case (12 Boxes)..... 6.50

MANUFACTURED ONLY BY

DETROIT NICOTINE COMPANY.

E. H. HUNT, 76-78 Wabash Ave., CHICAGO

Selling Agent.

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SULPHO-TOBACCO SOAP

COMBINES THE STRONGEST

TOBACCO EXTRACT

with Sulphur and Alkali. Never fails to

KILL BUGS AND INSECTS

GREENHOUSE STOCK

kept healthy by using this popular Insecticide. Satisfaction guaranteed. Prices low. Write for sample cake.

Larkin Soap Co. BUFFALO, N. Y.

Mention the Review when you write.

FOR FALL PLANTING Large flowered Clematis. Finest purple, lavender, white and red sorts. 2-year, fine field-grown or from 5-inch pots, at 18c.; 1-year, field-grown or from 3-inch pots, 9c. Clematis Paniculata, fine 2-year field-grown plants, 6c. Roses, assorted H. P. varieties, also Crimson and Yellow Rambler. Queen of Prairie, Clothilde Souper, etc., 2-year on own roots, field-grown, 12c.; second size, 7c. Hydrangea Paniculata Grandiflora, finest hardy shrub, bushy plants, 10c. Also fruit and ornamental trees, shrubs, etc. Packing free for cash. **W. H. SALTER, Rochester, N. Y.**

Mention Review when you write.

Cyclamen gigan.—Large flowering, 3-in., ready for 4-in., \$5.00 per 100; 4-in., \$10.00 per 100; 5-in., well budded or in bloom, \$15.00 per 100.

Asparagus Sprengeri—From flats, \$1.00 per 100; \$8.00 per 1000. 2 1/4-inch, \$1.50 per 100; \$12.50 per 1000.

Primroses, Chinese and Oboonica, 2 1/4-inch, 2.00 per 100; 300 for \$5.00; 3-inch, \$3.00 per 100; 4-inch, \$6.00 per 100.

Cinerarias—2 1/4-inch, \$3.00 per 100.

SAMUEL WHITTON, 15-17 Gray Ave., UTICA, N. Y.

Always mention the Florists' Review when writing advertisers.

KANSAS CITY.

Business is starting out nicely and we all look forward to a good fall trade. There is plenty of good stock on the market here. The greenhouse men are all cutting good roses and carnations, the best we have had for a long time at this time of the year. American Beauties had the call the past week for our Priest of Pallas ball, but there were lots of them ready to be cut and no complaints were heard about not having enough.

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John H. Vesey has gone back to his old home for a few weeks' rest.

L. M. SCHWAGER.

AMERICAN CARNATION SOCIETY.

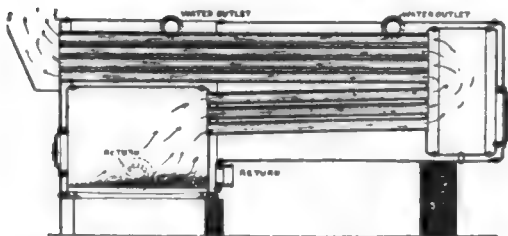
John E. Haines, Bethlehem, Pa., registers John E. Haines, deep scarlet, size three and one-half inches, free and early bloomer, good strong growth, never bursting calyx, and long stiff stems. Star of Bethlehem, pure yellow, very free, continuous bloomer, a strong grower, with long stiff stems and flowers three to three and one-half inches, with never bursting calyx. No. 77, a pure pink with three and one-half inch flower, a never bursting calyx, long stiff stems and very fragrant, free continual bloomer and very free grower, good for twelve months of the year. All in their fourth year.

ALBERT M. HERR, Sec'y.

LAWTON, MICH.—The heavy rains have about put an end to all hardy flowers. Asters were fine, but sweet peas nearly a failure on account of disease. The North Side Greenhouses shut down last winter, but started again this spring, with early vegetables. Allard's greenhouses have been repaired and repainted.

The "Superlor" Boiler

BEST FOR GREENHOUSE HEATING.



WE claim this to be the most **ECONOMICAL BOILER** on the market. The simplicity of construction is apparent from the illustration: built throughout of first-class steel plate; no cast iron rings or legs to crack—all solid steel. Made in five sizes, for 4,000, 5,000, 6,000, 7,500 and 9,000 lineal feet of 4-inch pipe. Every boiler built to order. Send for price list and full information.

SUPERIOR MACHINE AND BOILER WORKS,
129-133 W. Superior St., CHICAGO.

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THE STANDARD,

The lightest running, most rapid and powerful Ventilating Machine in the market.

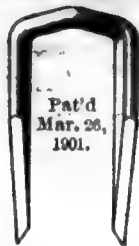
The DUPLEX GUTTERS,

Made of wrought or cast iron, with self-adjusting sash bar clips. The only **DRIP PROOF GUTTERS** made.

Send for catalogue—free.

E. HIPPARD,
Youngstown, OHIO.

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DREER'S

Peerless Glazing Point

(Improved Van Reyper Perfect)

has common sense features of practical value that appeal to practical florists and are possessed by no other point. The only double point with

BOTH BEVELS ON SAME SIDE.

A point made on any other principle will twist in driving and cramp or crack the glass. Dreyer's Peerless Glazing Points will never work out. Drives true and holds firmly by one blow of hammer or chisel. May be easily removed and used again in case of re-glazing. 1000 sufficient for 500 lights. Box of 1000 points 75c, postpaid. 5000 points by express for \$2.75.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

Mention the Review when you write.

Many Florists

have said that **Dixon's Graphite Pipe Joint Compound** saves them time, money and trouble. It is equally useful for steam or water joints. Before overhauling your pipes let us send you booklet.....

JOSEPH DIXON CRUCIBLE CO.

JERSEY CITY, N. J.

Mention Review when you write.

Florists' Foil

AMERICAN BRAND

PLAIN, EMBOSSED, COLORED.

MANUFACTURED BY

Violet and Rose Foil a Specialty.

The John J. Crooke Co. 155 to 163 Ave. D, NEW YORK. Established 1850. 149 Fulton St., CHICAGO.

"IT BEATS THEM ALL."



"THE MODEL" GLAZING POINT.

Pat. Nov. 25, 1902. No Rights or Lefts.

Zinc. Practical. Durable.

By Mail, package of 1050 points, 45c.

Western Agent, Vaughan's Seed Store, Chicago.

THE PARKER-BRUEN MFG. CO.,
(Inc.) Mfg. Model Extension Carnation Support,
206-8 Jersey St., Harrison, N. J.

Mention the Review when you write.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.50; 50,000...\$6.25. Sample free

For sale by dealers.

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HITCHINGS & CO.

233 MERCER STREET, NEW YORK,
GREENHOUSE BUILDING.

VENTILATING APPARATUS

HOT WATER BOILERS, PIPES AND FITTINGS.
SEND FOUR CENTS FOR CATALOGUE.

Mention the Review when you write.

AMERICAN FLOWER and TREE TUB.



Made from Everlasting CYPRESS

Various sizes, green or natural finish. Castings black.

Feet and bolts packed inside tubs for shipment.

We also have the neatest Plant Stand on the market.

Send for Catalogue C905.

American Wooden Ware Mfg. Co., Toledo, Ohio

Mention the Review when you write.

"Thripscide"

The best Greenhouse Fumigator and Preventive on the market, especially Thrips. 1 lb. can, 25c; 5-lb. can, \$1.00; 25-lb. box, \$4.50; 100-lb. box, \$16.00.

Sent to any address on receipt of price. Can be had from jobbers.

THE LILLY-LILLY CHEMICAL CO., Mfrs.,
96 Fifth Avenue, CHICAGO.

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Xmas Bells

**DURABLE.
FINELY SHAPED.**

	Per doz.
5-in. Crepe Paper Xmas Bells..	\$1 00
6-in. " " " "	1 60
7-in. " " " "	2 50
8-in. " " " "	3 50
10-in. " " " "	4 75
12-in. " " " "	7 00

I will send a set of 6 Bells—
5, 6, 7, 8, 10, 12-in. for \$1.70.

A. HERRMANN

Florists' Supplies,
404-412 East 34th St., NEW YORK CITY.

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**IMPROVED
RECORDING THERMOMETER.
JUST THE THING FOR YOUR
..GREENHOUSE..**



No. 200.
Send for catalogue and prices.
The Hellos-Upton Co., Peabody, Mass.

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...THE...
Model
EXTENSION
CARNATION SUPPORT.
ALSO GALVANIZED
STEEL ROSE STAKES.

Endorsed by all the leading
carnation growers as the
best support on the market.

Made with two or three circles.
Prompt shipment guaranteed
Pat. July 27, 1897; May 17, 1898.
Write for prices and circulars.

IGOE BROS.

228 N. 9th St., Brooklyn, N. Y.

Mention Review when you write.



THE LIGHTNING POT WASHING MACHINE

in operation at
JOSEPH HEACOCK'S

JOSEPH HEACOCK, Rose and Palm Grower.

WYNCOTE, PA., October 7, 1908.

Mr. C. E. FINLEY, Joliet, Ill.

Dear Sir:—Yours of the 3rd was received yesterday. The brushes were received several days ago and being smaller answered our purpose better. I enclose a check to pay for the brushes and a small photograph to show you how we have it arranged. I am very much surprised at the skill and speed which my boys acquire. Three of them washed over 2000 2x3-inch pots in an hour. Yesterday they washed 10,600 2x3 rose pots from 8 a. m. to 4:30 p. m., taking half an hour for noon, put the pots away and refilled the tank in that time. The brush that I had bristles put in washed 10,000 2x3-inch pots, 4000 2-inch pots and 2500 3-inch pots and is not worn out yet. We think that it washes about five times as many as the other kind of brush, as the bristles being soft and yielding, they can make greater speed with it.

The young man using the machine takes a pot in his left hand, holds it on the brush an instant, lets go of it and places a scrubbing brush against the outside with the other hand. By the time he has grasped another pot the outside is washed with the scrubbing brush, and removing it the pot drops off. The operation is so simple and speedy that his left hand is in constant motion reaching for and holding the pot to the machine, while in his right hand is the scrubbing brush, which is placed to the pot the instant his hand is removed. The machine running at a high rate of speed seems to set the pace and the boys work accordingly.

I need not say that I am pleased with it. Pot washing has always been a slow, tedious and, because of the time it has taken, expensive job. Now it is robbed of all its terrors. We have made it a practice to wash all unused pots every summer, while the weather was warm. I now propose putting the tank in a warm place and, as it will be a short job, we can wash our pots at any time of the year.

Very truly yours,

JOSEPH HEACOCK.

P. S.—I was afraid that the machine, running at such a rate of speed, would soon wear itself out, but so far the wear is scarcely perceptible.—J. H.

SOLD DIRECT.
\$15.00 net, f. o. b. Joliet.

C. E. FINLEY, JOLIET, ILL.

Mention the Review when you write.

Free to Every Florist.

Send us your name and address and we will mail you postpaid a large package of **WALKER'S EXCELSIOR FLOWER FOOD** for trial, and also a beautiful display card.

FLOWER CITY PLANT FOOD CO., - - ROCHESTER, N. Y.

Mention the Review when you write.

CUT FLOWER BOXES.

WATERPROOF. Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. **Cheap, durable.** To try them once is to use them always.

Size	No. 0...	3x4	x20...	\$2.00 per 100;	\$19.00 per 1000
	No. 1...	3x4 1/2	x16...	1.90	17.50
	No. 2...	3x6	x18...	2.00	19.00
	No. 3...	4x8	x18...	2.50	23.00
	No. 4...	3x5	x24...	2.75	26.00
	No. 5...	4x8	x22...	3.00	28.50
	No. 6...	4x8	x28...	3.75	36.00
	No. 7...	6x16	x20...	5.50	54.00
	No. 8...	3x7	x21...	3.00	28.50
	No. 9...	5x10	x35...	6.50	62.00
	No. 10...	7x20	x20...	7.50	67.00
	No. 11...	3 1/2	x5x30...	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

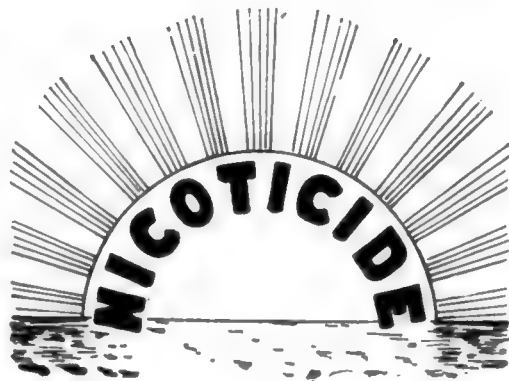
The Livingston Seed Co., Columbus, O.
Box 104.

J. L. ELLIOTT,

Pure Pulverized Sheep Manure
and Unleached Hard Wood Ashes
for sale by the **BAG, TON OR CARLOAD.**

Send for sample and price list.

Offices: 120 E 3rd St.,
Factory: 8 Mechanic St.,
So, Bethlehem, Pa.



Vapor-Spray

Indoors or Out
Kills the Bugs

Tobacco Warehousing & Trading Company
Louisville, Ky.

Mention the Review when you write.

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L. M. SCHWAGER.

AMERICAN CARNATION SOCIETY.

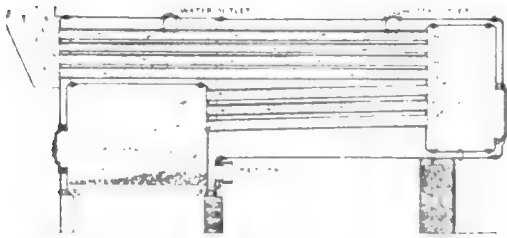
John E. Haines, Bethlehem, Pa., registers John E. Haines, deep scarlet, size three and one-half inches, free and early bloomer, good strong growth, never bursting calyx, and long stiff stems. Star of Bethlehem, pure yellow, very free, continuous bloomer, a strong grower, with long stiff stems and flowers three to three and one-half inches, with never bursting calyx. No. 77, a pure pink with three and one-half inch flower, a never bursting calyx, long stiff stems and very fragrant, free continual bloomer and very free grower, good for twelve months of the year. All in their fourth year.

ALBERT M. HERR, Sec'y.

LAWTON, MICH. The heavy rains have about put an end to all hardy flowers. Asters were fine, but sweet peas nearly a failure on account of disease. The North Side Greenhouses shut down last winter, but started again this spring, with early vegetables. Allard's greenhouses have been repaired and repainted.

The "Superior" Boiler

BEST FOR GREENHOUSE HEATING.



WE claim this to be the most **ECONOMICAL BOILER** on the market. The simplicity of construction is apparent from the illustration: built throughout of first-class steel plate; no cast iron rings or legs to crack—all solid steel. Made in five sizes, for 4,000, 5,000, 6,000, 7,500 and 9,000 lineal feet of 4-inch pipe. Every boiler built to order. Send for price list and full information.

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The highest running, most rapid and powerful Ventilating Machine in the market.

The DUPLEX GUTTERS,

Made of wrought or cast iron, with self-adjusting sash bar clips. The only **DRIP PROOF GUTTERS** made.

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Peerless Glazing Point

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has common sense features of practical value that appeal to practical florists and are possessed by no other point. The only double point with

BOTH BEVELS ON SAME SIDE.

A point made on any other principle will twist in driving and cramp or crack the glass. Dreyer's Peerless Glazing Points will never work out. Drives true and holds firmly by one blow of hammer or chisel. May be easily removed and used again in case of re-glazing. 1000 sufficient for 500 lights. Box of 1000 points 75c, postpaid. 5000 points by express for \$2.75.

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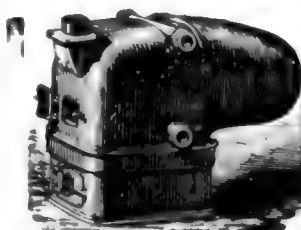
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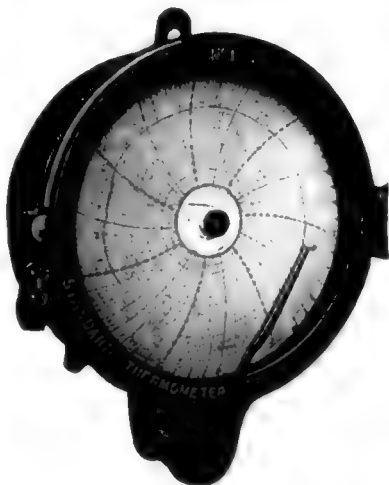
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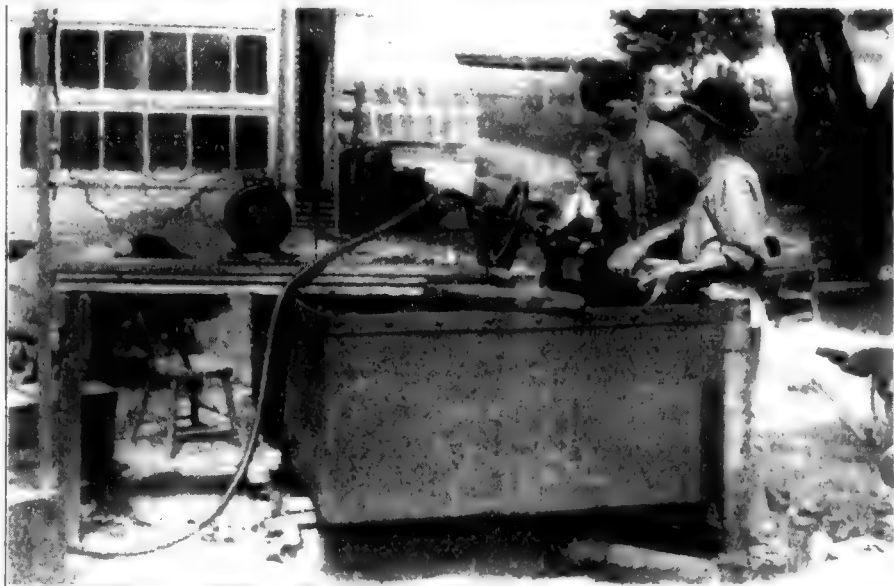


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in operation at
JOSEPH HEACOCK'S

JOSEPH HEACOCK, Rose and Palm Grower. WYNCOFF, PA., October 7, 1903.
Mr. C. E. FINLEY, Joliet, Ill.

Dear Sir—Yours of the 5th was received yesterday. The brushes were received several days ago and being smaller answered our purpose better. I enclose a check to pay for the brushes and a small photograph to show you how we have it arranged. I am very much surprised at the skill and speed which my boys acquire. Three of them washed over 2000 2x-inch pots in an hour. Yesterday they washed 10,000 2x-inch rose pots from 8 a.m. to 4:30 p.m., taking half an hour for noon, put the pots away and refilled the tank in that time. The brush that I had bristles put in washed 10,000 2x-inch pots, 4,000 2 1/2-inch pots and 2,000 3-inch pots and is not worn out yet. We think that it washes about five times as many as the other kind of brush, as the bristles being soft and yielding, they can make greater speed with it.

The young man using the machine takes a pot in his left hand, holds it on the brush an instant, lets go of it and places a scrubbing brush against the outside with the other hand. By the time he has grasped another pot the outside is washed with the scrubbing brush and removing it the pot drops off. The operation is so simple and speedy that his left hand is in constant motion reaching for and holding the pot to the machine, while in his right hand is the scrubbing brush, which is placed to the pot the instant his hand is removed. The machine running at a high rate of speed seems to set the pace and the boys work accordingly.

I need not say that I am pleased with it. Pot washing has always been a slow, tedious and because of the time it has taken, expensive job. Now it is robbed of all its terrors. We have made it a practice to wash all unused pots every summer while the weather was warm. I now propose putting the tank in a warm place and, as it will be a short job, we can wash our pots at any time of the year.

Very truly yours,

JOSEPH HEACOCK

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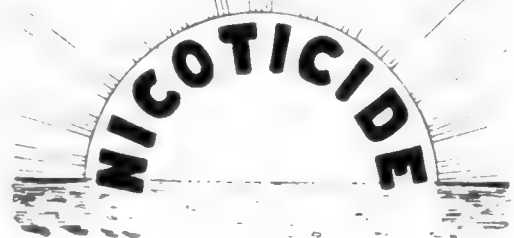
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" No. 7...	6x10 x20...	5.50	54.00
" No. 8...	3x7 x21...	6.00	28.50
" No. 9...	5x10 x15...	6.50	62.00
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G. L. GRANT, EDITOR AND MANAGER.

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INDEX TO ADVERTISERS.

This index covers only those having displayed
advertisements. There is a host of others mak-
ing offers in our classified advs. and they will be
found there under their proper headings.

Allen, J. K.	842	Gude & Bro., A.	816
Am. Wooden Ware		Gullett & Sons	858
Co.	860	Guttman, A. J.	843
Amling, E. C.	837	Hammond, J. A.	842
Aachmann, Godfrey	855	Hauswirth, P. J.	846
Bache, Semon & Co.	863	Heacock, Jos.	837
Backer & Co.	860	Heinl, Jos.	856
Baker, W. J.	841	Heller Bros.	840
Ball, C. D.	838	Helios-Upton	861
Barnard & Co.	825	Herr, A. M.	815
Bassett & Washburn	844	Herrmann, A.	826-61
Bayerdorfer & Co.	826	Hicks & Crawbuck	843
Beach, D. S.	838	Hill Co., E. G.	841
Beckert, W. C.	839	Hippard, E.	860
Beneke, J. J.	844	Hitchings & Co.	860-62-64
Bentley & Co.	844	Holton & Hunkel Co.	841
Berger, H. H. & Co.	826	Hunt, E. H.	844-59
Bernheimer, E.	841	Igoe Bros.	861
Berning, H. G.	845	Jacobs & Son	863
Berry, F.	856	Johnson & Stokes	841
Bobbin & Atkins	857	Jurgens, Aug.	844
Bonnot Bros.	842	Kasting, W. F.	825
Bowe, M. A.	846	Kellogg, Geo. M.	841
Bradshaw & Hartman		Kennicott Bros. Co.	825
.....	842	Kimberly, F. H.	856
Brague, L. B.	840	Kramer & Son	863
Brant & Noe	844	Kreshover, L. J.	812
Breitmeyer's Sons	846	Kroeschell Bros. Co.	864
Brod, J.	845	Kuehn, C. A.	845
Bruns, H. N.	844	Kuhl, Geo. A.	857
Buckley Plant Co.	859	Lager & Hurrell	857
Budlong, J. A.	841	Lake View Rose	
Burpee, W. Atlee &		Gardens	840
Co.	839	Lange, A.	846
Caldwell Co., W. E.	862	Langjahr, A. J.	842
Caldwell The Woods-		Larkin Soap Co.	859
man Co.	813	La Roche, M. F.	857
California Carnation		Lecakes & Co., N.	843
Co.	857	Lilly-Lilly Chemical	869
Century Flower Shop		Limbach, O.	863
.....	846	Livingston Seed Co.	861
Chicago Carnation		Loomis Floral Co.	855
Co.	825	Lord & Burnham	864
Clarke Bros.	846	Ludemann, F.	856
Clarke's Sons, David	846	McColgan Bros.	838
Classified Advs.	848	McConnell, Alex.	846
Converse Green-		McCray Refrigerator	
houses	858	Co.	855
Cottage Gardens	841	McCullough's Sons	845
Cowee, W. J.	860	McManus, Jas.	842
Crowl Fern Co.	843	McMorran & Co.	863
Crooke Co., J. J.	860	Meldrum Co.	847
Cunningham, J. H.	858	Michell Co., H. F.	826
Dearborn Engraving		Michigan Cut Flower	
Co.	863	Exchange	845
Dickinson Co., Albert	839	Millang, A.	843
Dietsch, A. & Co.	862	Millang, C.	842
Diller, Caskey & Co.	862	Millang, F.	843
Dillon, J. L.	857	Moninger Co., J. O.	863
Dillon Greenhouse		Moon Co., W. H.	838
Mfg. Co.	864	Moore, Hentz & Nash	842
Dixon Crucible Co.	860	Moss, Isaac H.	856
Dorner, F. & Sons Co.	845	Muno, John	844
Dreer, H. A.	860	Murphy, Wm.	845
Dunn & Co., C. A.	841-55	National Florists'	
Dunne & Co.	826	Board of Trade	843
Eickholt, Mrs. Chas.	846	Naumann, G. M.	855
Elliott & Sons, Wm.	839	Nelson, E. A.	854
Elliott J. L.	861	N. Y. Cut Flower Co.	812
Ellis, F. M.	845	Niessen, Leo	841-56
Ernst & Son	858	Oechalin Bros.	856
Fellouris, A. J.	855	Park Floral Co.	846
Finley C. E.	861	Parker-Bruen Co.	859-61
Florists' Hall Assn.	862	Peacock, W. P.	845
Flower City Plant Co.	861	Pennock, S. S.	840
Foley, J. J.	847	Perkins, J. J.	844
Foley Mfg. Co.	863	Peterson Nursery	838
Ford Bros.	843	Philadelphia Whole-	
Foster, L. H.	855	sale Flower Market	843
Furrow Bros.	856	Pierce Co., F. O.	863
Garland, Geo. M.	861	Pierson Co., F. R.	825
Garland, Frank	844	Pierson-Sefton Co.	841
Gasser Co., J. M.	846	Pine Tree Silk Mills	847
Geller, Sigmund	826	Pittsburg Cut Flow-	
Ghormley, W.	842	er Co.	840
Giblin & Co.	864	Poehlmann Bros.	844

Pollworth Co.	857	Smith Co., W. & T.	799
Quaker City Machine		South Park Floral Co.	810
Works	864	Sprague Smith Co.	853
Randall, A. L.	844	St. Louis Seed Co.	839
Rawlings, E. I.	858	Stern & Co., J.	826
Rawson & Co.	839	Stewart, S. B.	847
Raynor, J. I.	843	Stoothoff, H. A.	859
Reed & Keller	826	Storrs & Harrison Co.	853
Regan Ptg. House	845	Studer, N.	859
Reid, Edw.	841	Stumpp & Walter Co.	839
Reinberg, Geo.	844-56	Superior Machine &	
Reinberg, P.	844	Boiler Works	860
Ribsam & Son	838	Swanson, Aug. S.	846
Rice Bros.	841	Thorburn, J. M. & Co.	839
Rice, M. & Co.	826	Tobacco Warehouse-	
Ridge Lawn Green-		ing & Trading Co.	861
houses	858	Traendly & Schenck	843
Riedel & Spicer	842	Vesey, W. J. & M. S.	857
Robinson & Co.	826	Vincent, Jr. R. & Son	859
Rock, W. L.	846	Virgin, U. J.	847
Roehrs, Julius	825	Vredenburg & Co.	838
Ryerson, U. C.	863	Wabash, R. R.	863
Salter, W. H.	859	Wagner Park Con-	
Saltford	846	servatories	845
Saltford, Geo.	842	Weber, F. O.	846
Schmitz, F. W. O.	826	Weber & Sons	855
Scollay, J. A.	864	Weiland, M.	846
Scott, John	857	Weiland & Risch	844
Scott, W.	846	Whitton, C.	845
Sharp, Partridge Co.	863	Whitton, S.	859
Sheridan, W. F.	842	Wiegand & Sons	846
Shibeley	846	Wielor Bros.	844
Siebert, C. T.	868	Wilks Mfg. Co.	862
Siebrecht & Son	846	Williams Co., F. R.	841
Sievers & Boland	846	Winterson Co., E. F.	840
Sinner Bros.	844	Wittbold Co.	846-59
Skidelsky, S. S.	857	Young, John	842
Slinn & Hughes	842	Young, J. W.	841
Smith & Son, N.	859	Young & Nugent	842

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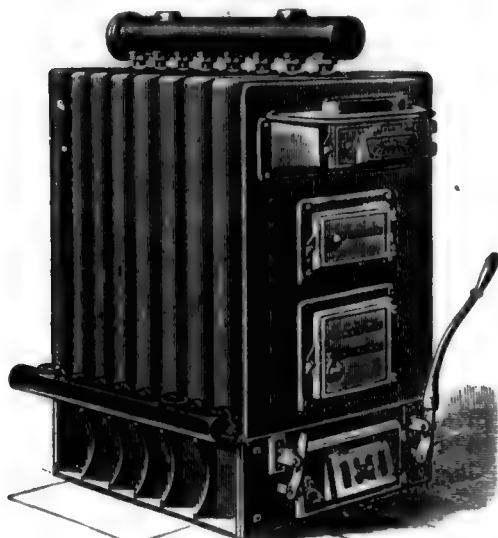
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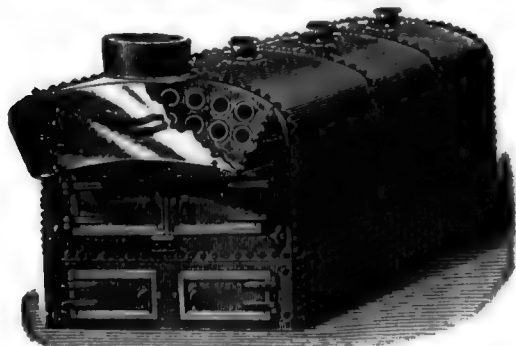
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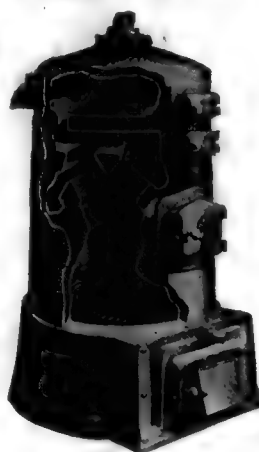
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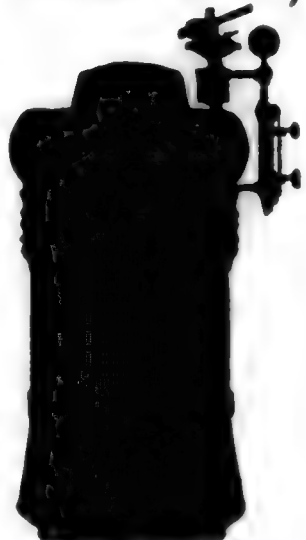
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Vol. XII.

CHICAGO AND NEW YORK, OCTOBER 22, 1903.

No. 308.

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MISCELLANEOUS SEASONABLE HINTS.



Stock to Keep Benches Full.

We are usually very glad of the bench room that the throwing out of early 'bums affords, and there is always plenty to fill up with. Five to 7-inch Bermuda lilies that have been in the cold frames, and if you have no warm house the 7 to 9-inch plants may as well come in; they will not make much more progress in a cool house for the next month than they would in a frame with the glass on.

Japan Lilies.

Those who grow the Japan longiflorum most successfully, by that I mean those who get them in in good time for Easter and get a good height on them, do not bring them into heat till they are well rooted in the frames, and then when they get them in they give them a strong heat. I have seen Japan longiflorum brought in as late as the middle of December, and, with little or no growth, and they overtook and passed in height and earliness a batch that had been brought in the first of November. Last spring many will remember that there were fine lots of lilies that flowered perfectly, both the black-stemmed "giganteum" and a bulb called "multiflorum" that gave me seven or eight flowers, but they had but ten to fifteen-inch stems. By putting them in pans and azalea pots they all went, but to have them as dwarf as that is not desirable. In my own case I think it was bringing them into a house at the end of October and keeping them about 50 degrees at night, when they were but poorly rooted. They were in plenty of time for Easter; in fact, you might say that with their dwarfness they flowered prematurely. Now I don't want to pretend to be an unquestioned authority on this subject, but I do think that the best way to treat the Japan longiflorum is to keep them in the cold frame protected from hard freezing, till the middle of December, and then, after two weeks in a cool house, after being brought in, give them a brisk heat of 60 to 65 degree at night.

Begonia Gloire de Lorraine.

The Lorraine begonia is likely to be as great a favorite again this winter as for the past four or five years. Not only as a single plant is it desirable, but for basket and mantel decorations it is most valuable. Those who have them now in a healthy state need fear no mishap; and from now till Christmas they do a lot of growing. Any small plants that need shifting should be attended to at once. There is no more shading necessary. Keep them about 55 degrees at night, and when watering do not wet the leaves. Plants in 5 and 6-inch pots might with benefit be raised up on inverted 6-inch pots. They can be watered more carefully and the lower growth will be all the better.

Poinsettias.

I have often said that you must not

disturb the roots of poinsettias after the middle of October and that I know from experience, so I hope you have all the plants in 6-inch pots fixed some weeks ago. Pans of these are now what is mostly asked for, from seven to twelve inches. If you have small plants in 2½-inch pots they can still be put in pans because you need not disturb the roots and the plants are so small they will not suffer as a plant two feet high would. It should not be necessary to say that the poinsettia wants at all times a high temperature, but 60 degrees at night keeps them in excellent leaf and develops their bracts. The yellow leaf is more often caused by starved roots than cold, and if you have any in 5 or 6-inch pots and later on they begin to show the slightest sign of the foliage going, give them liquid manure twice a week.

Cyclamen.

Another of our favorite Christmas plants is now about a pronounced success or a failure. If the cyclamen foliage is healthy and perfect buds showing

Antirrhinums.

The antirrhinum (snap dragon) has been in favor for several years as a decorative cut flower. They can succeed early chrysanthemums. As they are strong growing plants, the same soil will do with the addition of a little rotted manure, or a sprinkling of bone dust. Plants that you have now in small pots, either from cuttings or seedlings, will soon be in flower.

To digress a moment, the chrysanthemum is a most fascinating flower to grow, but if your houses are too far away from a market for pot plants, such as lilies, azaleas, Easter roses, etc., or bedding plants, then the beautiful 'mums leave you with a lot of vacant bench room, more than you need for young stock of carnations and roses, and there is sometimes an unprofitable interval of a few months. The antirrhinum is a plant that will fill up till you need the bench, in April and May.

Sweet Peas.

I was quite an old man before I learned how to grow sweet peas, to have them in flower at the holidays and during the succeeding dark winter months. We used to sow them at the posts in a carnation house in October, or plant them there from 2 or 3-inch pots. They would send up a growth which was paid little attention and we always waited for the lateral growth which started at the base of the one or two plants. That lateral growth came along slowly and it was April before any flowers were



Stokesia Cyanea.

up, you need have no failure after this. After good, bad and indifferent success with these plants, we have about 1,000 in 5, 6 and 7-inch pots that some good friends have pronounced about perfect. I still believe in plunging them in a few inches of tobacco stems and spraying them on bright mornings and giving them plenty of room on the bench; no more shade is required. Just now 50 degrees at night will do nicely for them and after December 1, when the bulk of the flowers are showing above the foliage, 55 degrees should be given them.

cut. The original growth from the seed had long ago perished. Now I would not go at length into this "has been" story, only I know others have not flowered sweet peas in any better way. If you have plants now in 3-inch pots, two plants is enough in a pot; plant them now in four or five inches of soil on a bench. Let the two plants be eight or nine inches from another two, and the rows of plants one foot apart; train them up just as you would smilax. Perhaps a string for every vine would be ideal, but the two vines on a string

will do. The principal point is to let no bottom growth or lateral growth get a start; pinch it off as soon as it appears. Very soon, if the lateral growth is kept pinched off, you will get flowers and if your house is light and you keep a night temperature of 50 to 55 degrees, you will pick flowers by Christmas. We live and learn. Few are pioneers in progress, mostly all copyists; but he that will not learn will soon be a back number.

WILLIAM SCOTT.

STOKESIA CYANEA.

Stokesia cyanea is a plant that has rapidly come to the front the last two or three years, and deservedly so, says Herbert Greensmith, of Dreer's Riverton nurseries. Although an American plant introduced or discovered in 1766, it does not appear to have been generally cultivated. In this plant the most wonderful developments have been made as regards the size of flower. Nicholson's Dictionary of Gardening describes it as being one inch across, few or solitary; some English catalogues say two or three inches and must be lifted in the fall and placed in the greenhouse to see it bloom. Horsford describes it as "a plant of the aster family, with blue flowers an inch or so wide;" and A. Perry says, "A sweetly pretty autumn-flowering perennial of great merit; habit erect, two feet, large lavender blue flowers with a reddish center, fully two inches across."

A great deal of surprise and rejoicing has been occasioned the last two or three years, Mr. Greensmith told the Florists'

Club of Philadelphia, over what is described as an early flowering form which some want to name *Praecox* in order to indicate that it is an early flowering variety. "I have noticed, I believe, what purports to be this very same thing in 14,000 or 15,000 plants grown at Riverton last summer. A few plants flowered very early and set seed and died down, that is, the tops died down. While the majority of the plants came into bloom later and so continued until late frosts completely cut them down, other plants again, though full of buds and in good robust condition, did not flower at all. These plants were all grown on high, sandy ground and were the admiration of all who saw them from July to hard frost in November. A warm, sandy soil is recommended as being best adapted to their culture, but two years ago I raised 3,000 or 4,000 plants from seed, which were picked off into trays as soon as large enough to handle, one inch apart, and from these trays they were planted out into the open ground in a very moist, damp spot. By the latter part of July they commenced to flower and so continued until hard frosts in November cut them off. Never did we have *stokesia* flower so freely, but I admit it would have been ruinous to have left them on this ground for the winter. The same year good strong plants from 3-inch pots were planted in light but well enriched sandy soil, and they were pale and poor in comparison to the seedlings planted on the damp spot. Its native home appears to be in wet pine bogs. The flowers are a

beautiful light lavender blue and three to four inches across, sometimes showing a faint tinge of red. If proper precautions are taken to insure it from standing under water during the winter months, it is one of the most satisfactory perennials grown. It is propagated by both seed and division."

NEW EARLY CHRYSANTHEMUMS.

If there were a mid-October exhibition this year twelve fine new varieties, at least, could be entered from abroad. A few of the sorts described below will not be of use to the commercial grower on account of color only, but where variety is wanted, these sorts would make a fine collection, while the white, yellow and pink sorts will prove valuable additions to our October 15 varieties; in fact they are startling novelties when the date is remembered, as they are up with the very finest of November sorts. France has given us the first seven.

Etienne Bonnefond is a big buff, incurved with broad petals, eight and one-half inches across; very fine.

Baron Chiseuil is one of the red and chamois-colored fellows used for "any other color" at the shows; very large and showy, especially at this date.

Mlle. Marthe Morel is like a morning cloud in color, like Vivand-Morel in form, a beauty, and a big one.

Mme. Paul Sahut, "the faultless," opens with golden center tinted pink, which rounds out into a ball of snow white, of soft finish and wonderful keeping qualities.

Neven Rene is a horizontal petaled magenta, with incurved touffles of silver, a nice color and pleasing variety in form.

Salome is a golden yellow with a fine wide spread; a dainty finish makes this a beauty.

Mlle. Touzet is one in which we think we have an October Chadwick.

All the above are free growers, without "necks," and handsomely foliaged.

In the English section, Carrie has come and gone, a fine September golden-yellow; a beauty. And now we have Miss Olive Miller, a lavender pink, probably the best of its color and date yet introduced; a nice, large, showy flower.

Mrs. A. McKinley is a buff and bronzy red, finely rounded in form and lighting up beautifully at night.

Goacher's Crimson is a red and gold that does not burn; a formal, dahlia-like flower that is very popular in England this season.

Ethel Fitzroy is an improved and early Kate Broomhead, a gorgeous and beautiful variety, very brilliant in coloring, which is bound to become popular.

The later set are expanding their buds in fine style and each day show up something new and wonderfully fine. Mrs. Longley is opening up a breadth of light, maroon velvet petal that is marvelous. S. T. Wright, Lord Hope town and Lord Alverston are running a race in scarlet and gold, and some of the new yellows look like the rising sun. Anything more delightful than the new mums cannot be found today in the whole world of horticulture.

S. A. HILL.



1. Etienne Bonnefond.

2. Ethel Fitzroy.

3. Baron Chiseuil.

4. Neven Rene.

5. Mrs. McKinley.

Some of the Good New Early Chrysanthemums.

WEST SUPERIOR, WIS.—E. Jensen is building three greenhouses, 20x100.

ROSES.

Grafted Versus Own-Root.

During the past season several inquiries have reached me regarding the advantages to be derived from using grafted stock, and which was the most suitable stock to use for indoor culture. As the time is approaching when the stocks for grafting must be put through their preparatory course, a few remarks along these lines may prove seasonable.

The principal object attained by this method of propagation is to obtain a better root action for those varieties which are naturally weak on their own roots, or which show a tendency to become sluggish, or which prefer taking a rest at the season when their services are most in need.

In the Manetti, a rose of Italian origin, are combined the qualities of vigor and robustness, with fine, fibrous roots, which continue in activity during the entire season, a most essential requisite for the ever blooming varieties. Another very material qualification possessed by this stock is its immunity from the ravages of eel-worms. From inquiries I have made during the past few years I have not heard of one authentic case of eel-worms infesting plants on this stock. Where this pest is prevalent in the soil it would certainly appear from up-to-date evidence to be the safest course to graft all suitable varieties, such as Bride, Maid, Liberty and Beauty on this stock.

There are other stocks, such as Rosa canina, which also have their ardent advocates. Canina appears, from what I have seen of its conduct under glass and from opinions which I have gleaned from other growers, to have a tendency to rest during the winter months, and therefore is undesirable for this purpose.

By securing increased root action during the period from propagation time until October, we are able to produce a much larger and stronger plant, which will certainly give us a larger cut of blooms. Of their quality I will speak later on. If this root action can be sustained during the winter months the plants can assimilate a larger quantity of food and, logically, they should still be able to supply a larger cut. Where the soil is poor and requires an extra amount of feeding matter added, this is a distinct advantage, but where the soil is heavy and of a richer nature the advantages are not quite so apparent.

I have for years grown grafted stock of Bride and Bridesmaid alongside these varieties on their own roots, in both light and heavy soils, and kept a faithful record of the doings of each from October 1 till May 30. These records show that grafted stock on poor soil was more productive and the blooms of better quality than were those on their own roots in the same class of soil, though in both respects they fell behind those same varieties on their own roots, which were planted in the richer soil.

The grafted stock planted in strong, fibrous loam certainly made astonishing growth, being nearly twice the size of those on their own roots. The first cut was of about the same quantity, but the quality of the bud was inferior; during the winter months the quality improved, particularly in length and wiri-



1. Mlle. Marthe Morel. 2. Early Chadwick. 3. Miss Olive Miller
4. Salome. 5. Mme. Paul Sahut.

Some of the Good New Early Chrysanthemums.

ness of steam, but frequently, much more frequently than with those on their own roots, the buds were off color.

In summing up, at the end of each season, we came to the conclusion that taking the extra trouble and expense involved by this mode of propagation into consideration, and the difference in quantity and quality being so imperceptible, especially when grown in heavy soil, there was little profit in it and I have practically given up using grafted stock for our own planting.

Different conditions of soil, climate and water have a great effect in modifying our ideas, however well fixed we may deem them to be, and I confess that experience along this one line has radically altered mine. RIBES.

COVERING ROSES.

Can I cover young tea roses this fall, for winter protection, with half-rotted horse manure and keep through winter, or would leaves be as good? I had about 200 young roses and 150 hybrids covered last year with wheat straw and we had so much wet, snowy weather that the straw packed badly and froze about the roots, causing the loss of many plants. It is hard to get well rotted cow manure, though if it is thought best will try to procure it. J. S.

The most successful method of protecting outdoor roses during the winter is to cover each bush with straw in the form of a sheaf, so that it will shed the water. This should be two and one

half inches thick around the branches and tied loosely, allowing the lower ends of the straw to spread eight inches over the ground around the neck of each plant. Then cover the ground to the depth of three or four inches with half-rotted stable manure. Cow manure is too cold and solid for this purpose. This strawing and mulching should be deferred till after the ground is frozen hard, so there will be less danger of heating, which would be apt to restart root action, causing the sap to flow, making the wood too soft to endure the winter changes. RIBES.

VINES FOR WINTER BLOOMING.

A correspondent asks what vines are used in northern conservatories for winter blooming. By using the term "conservatory" it is likely that he is making this inquiry as to what would be useful in a private greenhouse. As to flowering vines that would be any profit in a commercial house, it can be dismissed by saying that in the present state of commercial floriculture there are none. Better and more profitable flowers can be grown on the benches or beds, and vines overhead, of inferior value, would impair their growth, with very little compensation.

If we must stick to vines that are grown only for cut flowers in a conservatory, the list is very limited. If for ornament, where graceful, pretty foliage is desired, the list could be very much extended. And there is no mistake about it that a private conservatory, however

brilliant and gaudy with flowering plants, would soon get tiresome without the relief of climbing plants on the walls and rafters, or wherever they would look natural. A fan or balloon-shaped frame covered with some climbing plant and stuck in the middle of a bench, however much it showed off the gardener's skill, would not be natural or very long pleasing to the eye, while a vine running up a pillar or drooping from a rafter would have a natural, pleasing and lasting effect.

Allamanda Schottii is a true climber, with large, rich yellow flowers. Stephanotis floribunda has most fragrant, waxy white flowers. This was in great favor forty years ago for bridal bouquets when they were made of the shape and smoothness of a very large mushroom. Both of the above are splendid climbers, but are tropical. Bougainvillea Sanderiana is supposed to be more dwarf than B. glabra, but it gets there just the same. Long sprays of this are most decorative. Clerodendron Balfouri has very attractive flowers and is a fine vine.

For a lower winter temperature, say 55 degrees at night, you might grow several of the Noisette roses. Gloire d' Dijon, Marechal Niel, Solfaterre and Nephotos can be used, trained up a wall or pillar, and there are others. Heliotrope planted out at the end of a house where it will get light and plenty of root room, and cut back to the main stems every summer, is a cut and come again flower the entire season. Jasminum grandiflorum, trained up a pillar or lattice, is a sweet, dainty flower, often asked for and seldom to be had. Swain-

sona galegifolia alba, another plant for a pillar, is a pretty and useful flower. We used to grow and think very essential some scarlet tropæolum trained up a rafter.

And last, let me say that one of the most beautiful plants, not truly a climber, but one that can be trained up the light end of a house, is Acacia pubescens, which does well in a very cool house in winter. Sprays of this most delicate yellow flower, with its foliage, are at home in the choicest of decorations. A plant some twelve or fourteen feet high of this lovely acacia recalls memories of marbles, bird nesting, stealing peaches, flying kites, and several other virtuous early traits. The fact is that since our bouquets and baskets have ceased to be collections of twenty-five different species of flowers, many pretty things, of themselves beautiful, as all flowers are, have commercially gone out of date.

WILLIAM SCOTT.

DAHLIAS FOR EASTER.

In sending an exhibit of dahlias to the October meeting of the Pittsburg Gardeners' and Florists' Club, L. K. Peacock forwarded a letter which was read when the blooms were under examination. It was, in part, as follows:

We do not try to grow those immense cabbage-head varieties and we do not try to grow large flowers primarily. First, we want bright colors; secondly, good form; then they must have lasting qualities, so as to keep well after being cut; and last, but not least, they must have long, yet strong stems. Every flower should be supported on its own

stem, and should make a fine appearance in that form. A flower that will not hold up its head on its own stem is, from my standpoint, not suitable or worthy of general cultivation.

Now that the dahlia seems destined to fulfill the prophecy we made seven years ago at the first dahlia exhibition in St. George's hall, Philadelphia, namely, that the dahlia would be the paramount flower during September and October, we believe that every florist should take advantage of the great demand and handle dahlias, and that every grower should grow only the best and exhibit them in an easy, graceful, natural form.

I remember very well when we first brought out Dahlia Nymphaea. It was surprising the difficulty we had in getting the florists to take hold of it, but as soon as the people once saw the flower its success was assured. But while the public was getting interested in dahlias they did not stop with dahlias during fall but demanded them during the winter, and for several years past we have grown dahlias under glass for a few particular customers, until now the demand for dahlias at Easter has become so large that we are advocating every florist to plant dahlias as a crop to follow chrysanthemums.

It all depends on the variety and the date of Easter when they should be planted. With those conditions in view I should say that they should be planted anywhere from December 15 to January 20. Varieties like Storm King can be planted from January 5 to 20 and give an Easter crop that is early or late. A. D. Livoni, pink, should be planted about ten days earlier, while Twentieth Century should be planted about two weeks earlier.

We have been growing dahlias under glass more or less for the past thirteen years, and we have never failed to produce much finer flowers during the spring of the year under glass than it was possible to raise out of doors in the open ground. When we grew our first dahlias under glass we had only the older varieties. Among them were Penelope and Crimson Ball. These flowered in 6-inch pots were superb. I never in my life saw roses in pots in the spring so beautiful. The flowers were half again as large as those grown outdoors. Coloring was much brighter in every respect in the case of Crimson Ball, while in Penelope the lavender shade was much softer.

Last winter William Falconer had very little faith in dahlias under glass; in fact, he so expressed himself to one of our representatives; but, however, he determined to give them a trial, and I will herewith ask Mr. Falconer to give you the rest.

"Being continually on the lookout for novelties for our Easter exhibitions at Phipps Conservatories," said Mr. Falconer, "I got on to the dahlias, but I had very little faith in them. We got a considerable number of Storm King white, and A. D. Livoni, pink, potted them in ordinary rose soil and started them in 55 to 60 degrees temperature, afterwards humoring them as their strength and stockiness would indicate. By Easter both varieties were in beautiful bloom; in fact, they were strikingly attractive, more especially the pink one. We had the plants in good bloom for about a month. We were short on Japan dwarf cherries last Easter, as our order from Japan never arrived, so the



Yellow Cactus Dahlia John H. Roach.

dahlias took their place. Besides, our people never before saw dahlias in profusion of bloom at Easter. They were a great success."

TWO GOOD DAHLIAS.

The accompanying illustrations are from photographs of blooms grown by E. S. Thompson, South Haven, Mich., and show two of the most useful sorts in the cactus and decorative classes.

The cactus dahlia, John H. Roach, is a fine light yellow, of perfect form: the incurved petals are long and pointed; it is a beautiful flower and always full to the center.

Among decorative dahlias, Grand Duke Alexis has long maintained a leading place. It is of largest size and distinct form, as the petals are rolled up so that the edges overlap each other. The color is pure white, but there is a distinct tinge of delicate pink.

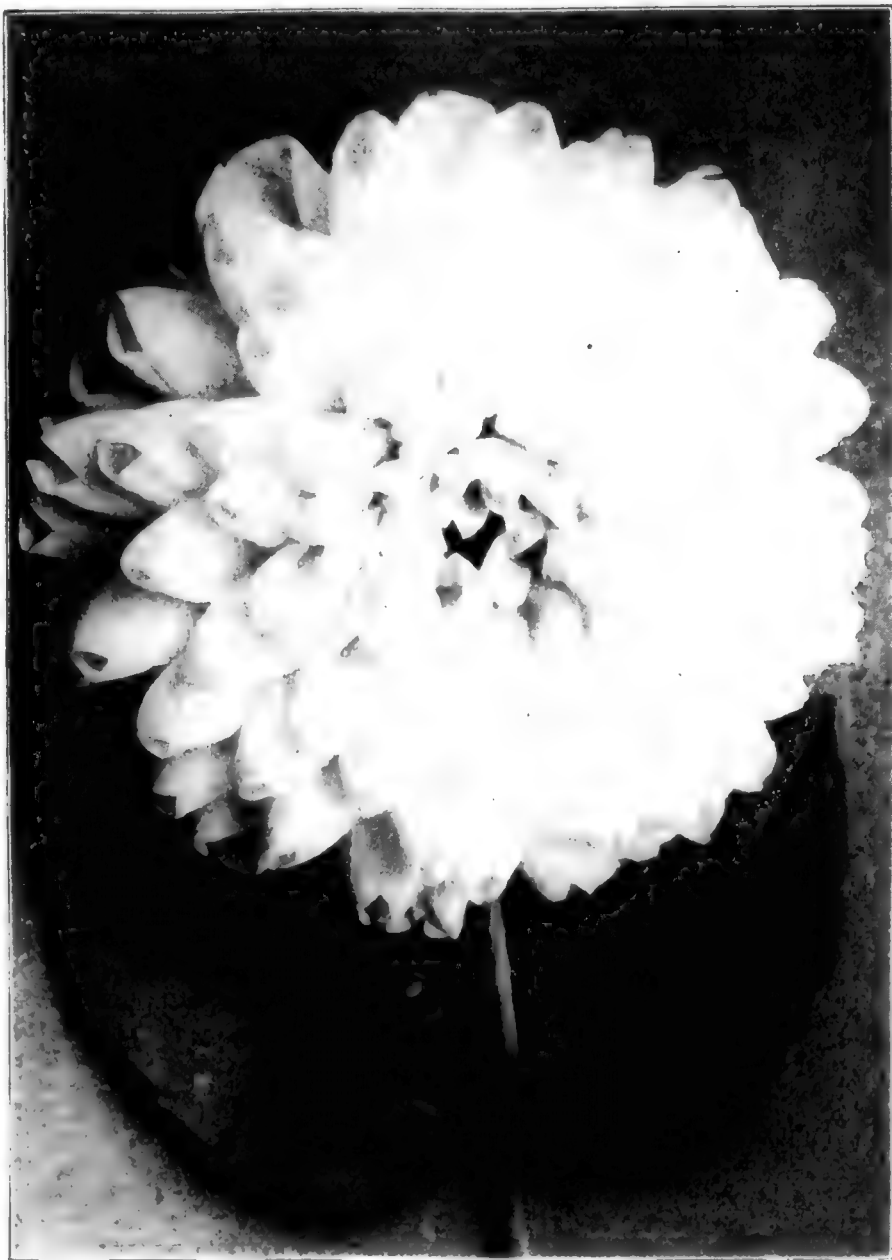
OLD TIMES AT HARTFORD.

The following is a portion of an address by C. S. Mason, of Farmington, Conn., at a recent meeting of the Hartford Florists' Club.

My coming to Hartford dates back to about the year 1850. At that time there were only two commercial greenhouses in Hartford. One, the City Gardens, so called, was situated on the Wethersfield lane, now avenue, about where Mrs. Colt's house now stands. The establishment consisted of one greenhouse about 18x60 and was run by Ransom Whitmore and William Doogue in company. The other was situated on Asylum avenue and was run by George Aflick. Mr. Whitmore and Mr. Aflick have long since gone to their long rest. Mr. Doogue, after leaving the City Gardens hired out as gardener to some one in Middletown, from there he went to Boston to take care of the Common and other public grounds and I believe he is still doing good work as superintendent of a part of the city's property. At that time there were only two private places that had a greenhouse, and they were both situated on Farmington avenue. One owned by George Beach, the other by Henry Beach. At George Beach's the gardener was James Boyce. Henry Beach's place fell into the hands of F. B. Cooley and I think the present superintendent of Cedar Hill Cemetery, Robert Scrivener, graduated from the Cooley place.

The variety of stock grown for bedding out, planting out, I should rather say, for massing any one variety of plants in beds was not practiced in Hartford at that time, was very limited: Verbenas, petunias, Phlox Drummondii, ten-week stocks, some bulbs, mostly hyacinths, feverfew and some others, such as heliotrope, etc. Verbenas took the lead. The varieties of roses grown for sale were few in number; you could almost count them on your fingers. For hardy roses there were Queen of the Prairies, Baltimore Belle, Crimson Bausault, Pink Bausault, Princess Adelaide, moss, centifolia, Baron Brevost and one or two H. P.'s. For tender roses there were Cloth of Gold, Lamarque, Louis Phillip, Hermosa, Agrippina, Safrano, etc. At the George Beach place at that time there used to grow a very strong plant of Cloth of Gold rose. It covered nearly the inside of a thirty-foot house and produced some magnificent blooms.

The coming of Col. Samuel Colt to



● Pure White Decorative Dahlia Grand Duke Alexis.

Hartford and his extensive purchase of property gave a strong impetus to all matters pertaining to horticulture. Particularly were we interested in building, heating and stocking greenhouses. Among other houses he built one for stove plants, others for greenhouse and temperate plants, one for forcing pineapples, another for strawberries, and so on. Among other things, he enclosed a space with glass with a high board fence, in which were planted peach, cherry, plum, apricot and other fruit, after the manner of Rivers, the great English orchardist. I have seen some splendid fruit in this enclosure. The strawberries grown in the house were well worth going a distance to see. And as to the pineapples, a seven pound Queen was no unusual thing. One thing that interested me more than anything else in the Colt establishment was a very beautiful Bank-sia rose. It was grown in a cold house carried up the rafters and was pruned back much as you would a Black Ham-burgh grape vine. To see that in full bloom in the spring was something to be remembered. The strange part of it to me was that it should flower so freely with such severe pruning. The spurs and even the old wood was covered with its beautiful clusters of clear white flowers. I think the constant pruning given it to keep it within bounds must have caused it to change its nature and adapt itself to existing conditions, so to speak, and so flower anyway, as we all know

that climbing roses rebel against severe pruning.

The first gardener at Colt's was brought from England and he brought English ideas, methods and material. The heating apparatus was brought from England and consisted of a Weeks' upright tubular boiler for hot water, which heated the whole range of houses, and kept in good working order for several years. He had a pit in which to plunge the tropical plants, using spent tanbark as a material for plunging the pots in. Of course he had to have peat and silver sand for his azaleas, heaths and other peat-loving subjects. Gardener No. 1 was succeeded by James Stebbins, and he by Thos. Maltman.

About the time the Colt greenhouses were built, or rather a few years later, the Niles Brothers built places on Farmington avenue. John Niles built quite an extensive range of houses in connection with his place, and later Pliney Jewell had quite a nice house in connection with his place. They were both run pretty much after the same fashion, a few cut flowers for the house and material for planting out. At the John Niles place the most notable thing was a white camellia planted in the ground in one of the houses used as an entrance.

The camellia was a sight worth seeing, being covered with thousands of beautiful white blooms. Joe Moises was gardener at the Niles place and George Solly for Pliney Jewell.

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Thrips.

Opinions differ as to the best method of destroying these pests, but in deciding the course to pursue there is more to be considered than the mere destruction of the insect. A certain remedy may put a stop to their ravages and at the same time be detrimental either to the plants or to partly developed blooms, which it would not be desirable to cut, and for this reason I do not advocate heavy fumigation with tobacco stems or dust for the destruction of insect pests of any kind. Regular light treatment as a preventive against aphides is the best use to which tobacco can be put in the greenhouse.

To kill thrips repeated heavy fumigation is necessary if tobacco is used. We know this is detrimental to blooms in any stage of development and I am satisfied harmful to the foliage, owing to the long time the fumes must be kept confined within the house. Red pepper properly handled will do the work economically and with dispatch, but there are many grades of so-called red pepper and, perhaps, little acquaintance with the manner it should be used to derive benefit, and so one hears of those who are not successful with its use. The brands sold in cans are as a rule best left alone, but that which comes in bulk and handled by a reliable dealer in drugs or the pulverized leaves and fruit of *Capsicum annuum* (Christmas pepper) will awaken Mr. Thrips to the fact that he is up against the real thing when the fumes reach him.

In using a remedy of this nature for the destruction of an insect so minute and so capable of retreating to a point of safety, it is imperative that the fumes reach them abruptly, in full strength. As an example, take a house 20x100 feet; use four stove lids or

that a helper is needed to facilitate the work and all pet animals, if any, should be removed in advance. With tight ventilators and roof, pure pepper, very hot plates and lively work, one-half hour's fumigation should result in complete success.

Marketing the Product.

The grower who has been established some years, finds little difficulty in disposing of his output at remunerative figures, especially when he bears the reputation of producing first-class stock and handling it with a view to its reaching the retailer in fresh condition. For the benefit of beginners a few conclusions drawn from observation and experience may serve as a partial guide in forming plans for the coming season.

The contracting of one's whole supply at a uniform price for the season, either for each grade or as a lot, is apt to breed laxity on the part of the grower. The agreement on a sliding scale of prices is better, but has its drawbacks in that there is liability of new fields being entered at price soaring times.

The peddling around from store to store, day after day, of such perishable goods as flowers is a standing advertisement of cheapness, and places the grower at the mercy of the retailer. In large cities the wholesale market presents the ideal way in which flowers should be sold—on their merits and in accordance with the law of supply and demand. However, all growers have not the advantages of a flower market and must needs study well the demands and condition of trade in the most promising place in his vicinity, remembering there is always plenty of trash, but seldom enough really top-notch stock. Grow the latter and it will not long be a question of selling, but rather who will get it; then your reputation has begun.

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Stem-rot is a subject upon which I have enlarged a number of times and so I must say practically the same things which I have said several times before. The correspondent seems to be well aware that it is a fungus and that excessive moisture will aggravate it. It is also a fact that some varieties seem to succumb to its attacks more readily than others, and during the last couple of years that grand old stand-by, G. H. Crane, seems to have been among its easiest prey. On some places it got so bad that the variety was discarded, although it could ill be spared from the list of standard cut bloom varieties. This is not a constitutional disease and it is not a sign of deterioration, which is proven by its fine behavior on many places last season and this. We have no healthier variety on our place today, and we have not lost two per cent of what we housed of this variety this summer. So I have put the stem-rot down as resulting from either improper handling or adverse conditions at some stage of the game, admitting, however, that the variety does take stem-rot more readily than most varieties when conditions are favorable to that disease.

Examine the plants and see if you did not set them deeper than they were planted in the field. This will often bring on stem-rot. If that is the case you should scrape off part of the soil. Sprinkle the surface of the soil with air-slaked lime and when you water, water only in the middle of the row, but give enough to soak down to the bottom. A very good plan is to take enough soil out of the middle of the row to make a trough about two inches deep and two inches wide. You can then fill this with water, when water is needed, and have the surface dry. We found this very effective a few years ago, with Jubilee. Keep the plants dusted with grape-dust or air-slaked lime. To the latter you might add about one-sixth its bulk of sulphur. Tobacco dust is also good to change off with. Don't withhold the water too much from the roots, but rather encourage a strong growth, always keeping the water away from the stem and the foliage. After the plants get to growing strongly again they are much better able to fight it off.

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DUNDEE, ILL.—E. A. Sawyer is building an extension to his greenhouse.



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While admitting the beauty of forced hyacinths and polyanthus narcissus, I am convinced that the money lavished on these would be better spent on some of the standard varieties of those general favorites, the daffodils, says a writer in an English contemporary. They are quite as easy to grow, are considerably cheaper, at least, than named hyacinths, are far superior for cutting, and even for decoration more than hold their own. Of course, it may be argued that the range of color is rather limited. This, of course, is so, but the many beautiful and varied shades of yellow are admired by all, while glaring colors are favored only by the few.

As a rule, daffodils will not stand hard forcing. It is therefore advisable to pot up early, so that they may be brought along quietly, and yet be in their full beauty long before those in the beds and borders outside. Where large quantities are wanted for cutting, much space can be saved by planting the bulbs in boxes. Boxes about five inches deep are excellent for the purpose. Unless the potting loam is very poor no manure should be used, for the majority of the daffodils resent manure, especially in a fresh state. If it is absolutely necessary to enrich the soil, old mushroom-bed dung is the safest. If good turf is at hand, pull it to pieces with the hands, add about one-third its bulk of good leaf-mold, and enough sharp sand to keep porous. The only other ingredient needful is fine ground bone of good quality. The daffodil seems to greatly appreciate this latter, and it may be used quite freely if it is known to be pure. Do not pot in wet, sticky soil; rather wait till it dries a bit. Five, six, or seven-inch pots may be used. Drain carefully, and do not make the soil too firm, especially below the bulbs. The pots must be plunged outside for eight or nine weeks at least, then taken to a cold frame for a time, and then gradually admitted to the greenhouse. At first a temperature below 50 degrees is best for them, but after the flower-stems show, if wanted for any special purpose at any certain date, more heat may be given.

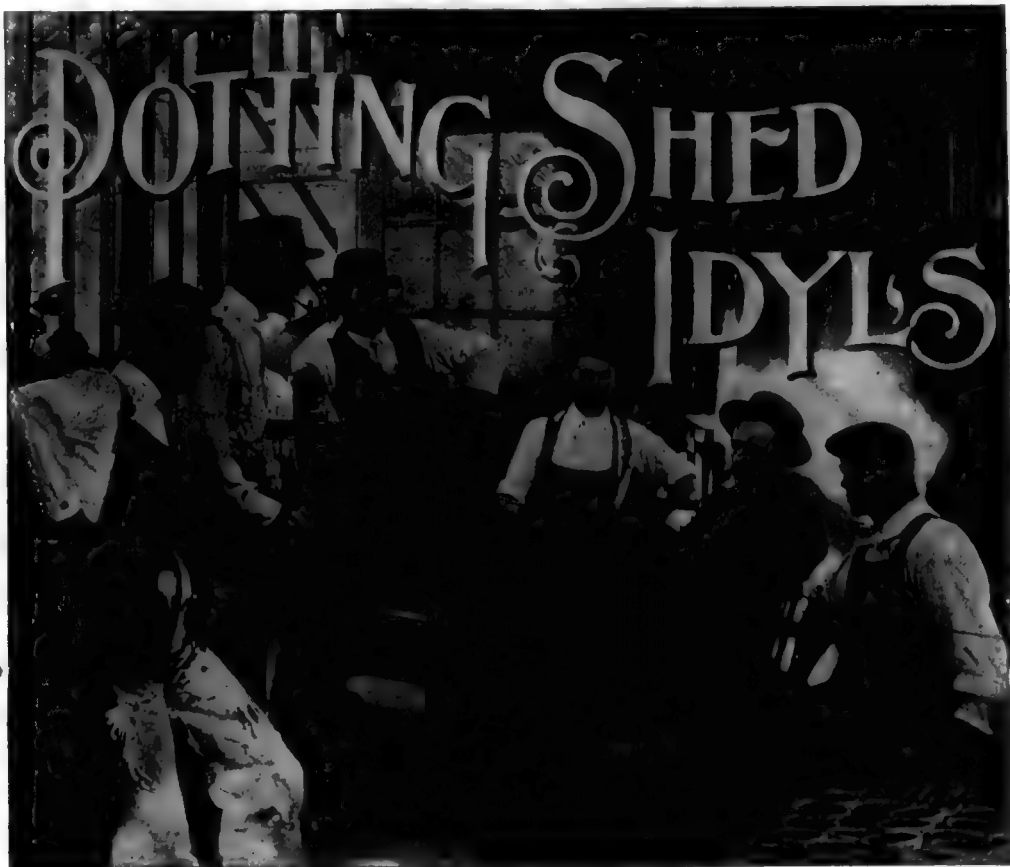
After the pots are well filled with roots weak manure water may with advantage be given them. Also, it will be found that Ichthemic guano, a dessert-spoonful to the gallon of water, applied occasionally, is a great help.

A word about suitable varieties, and I have done. The bicolors are always greatly admired, and probably Victoria forces as well or better than any other. Horsfieldi, Empress and Grandis, too, are indispensable. In the self class nothing could beat Emperor for pot culture. Henry Irving, Golden Spur and Maximus are also in the first class for our purpose. In other sections we have Sir Watkin, Stella superba, Barrii conspicuus, and Nelsoni major.

I mention none of the very new varieties, as it would be rather risky to try to force them. All I name are sure doers, are fairly cheap, and all very beautiful.

ELDORADO, IA.—John Poland has his new greenhouse nearly completed and ready for business.

DES MOINES, IA.—I. W. Lozier now has a range of 35,000 feet of glass, having added 15,000 feet this season. They anticipate a good season.



SOME SIMPLE SNAKE STORIES.

Tommy strolled around the end of the potting shed, dragging a long blacksnake, distinctly dead, which he heaved over the fence into a vacant lot. Jaggs, who was re-enforcing his suspenders with a twist of copper wire, looked up interrogatively.

"It was that fool cat," explained Tommy. "He's that proud o' catching snakes that he always takes 'em into the house to give the missus a treat. Seems like he mislaid that last one, and went off to look up his dinner somewheres else. The ladies wasn't pleased; I think one of 'em found the snake sittin' on the sewing machine."

"Beats all how scared women is of snakes," remarked Jaggs, cutting off another piece of wire. "Not as I'm partial to 'em myself, especially them nasty tree snakes. I pretty near run right over one once when I was shinning up a tree to get away from an ostrich. I've had a few narrow squeaks in my time, but that was about the nearest."

"I suppose you was spendin' Saturday afternoon down at the zoo," observed the man from Duluth.

"'Tain't likely as you ever 'eard o' South Africa," continued Jaggs, with deep sarcasm. "If you 'ad gone down there to free them poor sufferin' Boers like you used to talk, you might have learned somethink about tree snakes, and ostriches, too, as you don't know now."

"Never mind him, old man," advised Tommy; "the only ostrich he ever see in his life was the sword swallower in a dime museum."

There was a temporary lull in the conversation when Pharaoh, the cat, was seen to climb the fence, triumphantly bringing with him the defunct snake. He dragged his prey past Tommy with ostentatious defiance, and disappeared in the direction of the house, stopping occasionally to get a fresh grip on the slippery snake.

"I never thought, when I left South Africa, as a bloomin' old cuttlefish would save my life," continued Jaggs, shaking his head thoughtfully. "It shows as a

cuttlefish 'as some intellect even if it ain't 'andsome."

"Think so?" queried Tommy, who was tenderly polishing his venerable meerschbaum with a ragged silk handkerchief.

"O' course," began Jaggs, "I 'adn't ought to ha' went to Sarawak. It was that time as I went collectin' for the Indian Rajah—him as was death on pitcher plants. I reckon I told you about his pet elephant as got an elegant case o' the jim-jams from drinkin' that there fly-poison in the nepenthes. Talk about temperance literature! A sight o' that there bloomin' old elephant makin' a disgraceful spectacle of himself was enough to sober a Bowery panhandler. And all along o' them innocent lookin' pitcher plants, as never ought to be let into a prohibition state."

"What's that you say, Jimmy? You never heard of pitcher plants as was intoxicatin'?" If you'll just stop and think how many things you haven't heard vet. Jimmy, you won't say nothink about pitcher plants. I s'pose you know them there inside kills bluebottle flies—ain't it reasonable that a nepenthes as the Rajah had to feed on chickens would intoxicate an elephant?

"There's one thing about Polynesia as I'd jolly well like in Jersey," continued Jaggs, who was mending his lingerie by the simple expedient of puckering the holes up into little knots, and then twisting a bit of wire around to hold the ragged edges together. "It's the only place I ever see where shirts grow on trees. All a chap has to do is hunt up a tree about his size, take out a buddin' knife and there you are."

"I suppose, when it's in full bloom, you wouldn't know one o' them trees from a Troy laundry," remarked Tommy frivolously.

"There you go, tryin' to mislead them as hasn't 'ad our advantages again," said Jaggs reproachfully. "There's too many chaps as comes back from their travels and tells a lot o' fairy tales—them bloomin' botanists is always doin' it. There was one of 'em as up and told me there wasn't no man-eatin' tree

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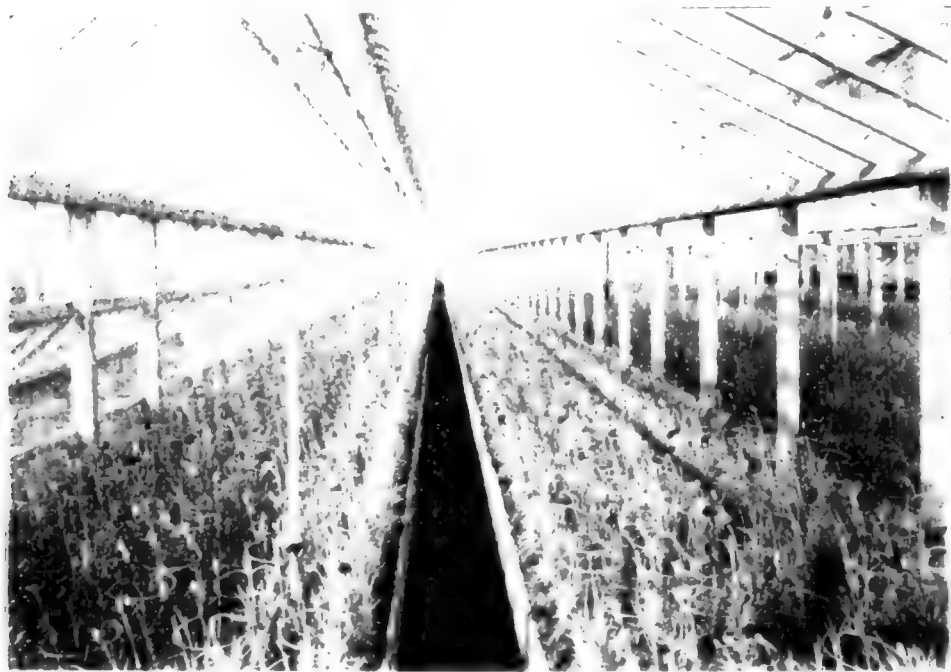
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While admitting the beauty of forced hyacinths and polyanthus narcissus, I am convinced that the money lavished on these would be better spent on some of the standard varieties of those general favorites, the daffodils, says a writer in an English contemporary. They are quite as easy to grow, are considerably cheaper, at least, than named hyacinths, are far superior for cutting, and even for decoration more than hold their own. Of course, it may be argued that the range of color is rather limited. This, of course, is so, but the many beautiful and varied shades of yellow are admired by all, while glaring colors are favored only by the few.

As a rule, daffodils will not stand hard forcing. It is therefore advisable to pot up early, so that they may be brought along quietly, and yet be in their full beauty long before those in the beds and borders outside. Where large quantities are wanted for cutting, much space can be saved by planting the bulbs in boxes. Boxes about five inches deep are excellent for the purpose. Unless the potting loam is very poor no manure should be used, for the majority of the daffodils resent manure, especially in a fresh state. If it is absolutely necessary to enrich the soil, old mushroom-bed dung is the safest. If good turf is at hand, pull it to pieces with the hands, add about one-third its bulk of good leaf-mold, and enough sharp sand to keep porous. The only other ingredient needful is fine ground bone of good quality. The daffodil seems to greatly appreciate this latter, and it may be used quite freely if it is known to be pure. Do not pot in wet, sticky soil; rather wait till it dries a bit. Five, six, or seven-inch pots may be used. Drain carefully, and do not make the soil too firm, especially below the bulbs. The pots must be plunged outside for eight or nine weeks at least, then taken to a cold frame for a time, and then gradually admitted to the greenhouse. At first a temperature below 50 degrees is best for them, but after the flower stems show, if wanted for any special purpose at any certain date, more heat may be given.

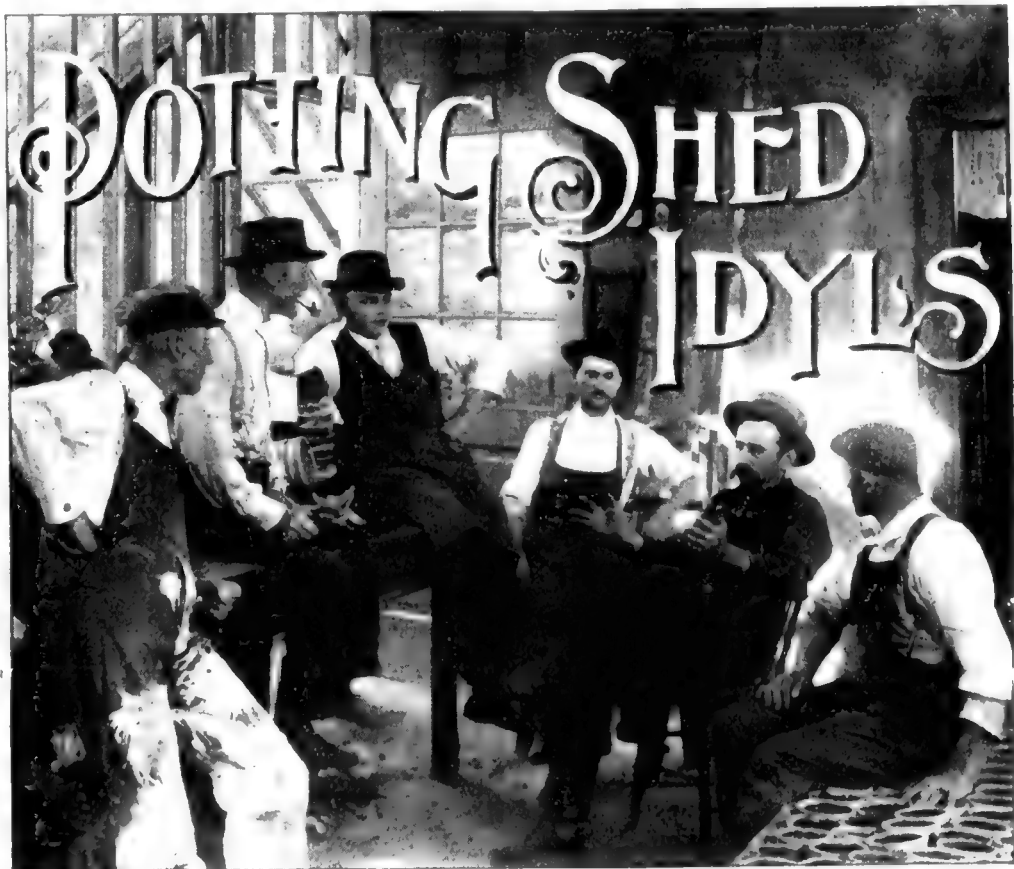
After the pots are well filled with roots weak manure water may with advantage be given them. Also, it will be found that Ichthemie guano, a dessert-spoonful to the gallon of water, applied occasionally, is a great help.

A word about suitable varieties, and I have done. The bicolors are always greatly admired, and probably Victoria forces as well or better than any other. Horsfieldi, Empress and Grandis, too, are indispensable. In the self class nothing could beat Emperor for pot culture. Henry Irving, Golden Spur and Maximus are also in the first class for our purpose. In other sections we have Sir Watkin, Stella superba, Barrii conspicuus, and Nelsoni major.

I mention none of the very new varieties, as it would be rather risky to try to force them. All I name are sure losers, are fairly cheap, and all very beautiful.

ELDERADO, IA.—John Poland has his new greenhouse nearly completed and ready for business.

DES MOINES, IA.—I. W. Lozier now has a range of 35,000 feet of glass, having added 15,000 feet this season. They anticipate a good season.



SOME SIMPLE SNAKE STORIES.

Tommy strolled around the end of the potting shed, dragging a long blacksnake, distinctly dead, which he heaved over the fence into a vacant lot. Jaggs, who was re-enforcing his suspenders with a twist of copper wire, looked up interrogatively.

"It was that fool cat," explained Tommy. "He's that proud o' catchin' snakes that he always takes 'em into the house to give the missus a treat. Seems like he mislaid that last one, and went off to look up his dinner somewheres else. The ladies wasn't pleased; I think one o' 'em found the snake sittin' on the sewing machine."

"Beats all how scared women is of snakes," remarked Jaggs, cutting off another piece of wire. "Not as I'm partial to 'em myself, especially them nasty tree snakes. I pretty near run right over one once when I was shinning up a tree to get away from an ostrich. I've had a few narrow squeaks in my time, but that was about the nearest."

"I suppose you was spendin' Saturday afternoon down at the zoo," observed the man from Duluth.

"Tain't likely as you ever heard o' South Africa," continued Jaggs, with deep sarcasm. "If you 'ad gone down there to free them poor sufferin' Boers like you used to talk, you might have learned somethink about tree snakes, and ostriches, too, as you don't know now."

"Never mind him, old man," advised Tommy; "the only ostrich he ever see in his life was the swore swallower in a dime museum."

There was a temporary lull in the conversation when Pharaoh, the cat, was seen to climb the fence, triumphantly bringing with him the defunct snake. He dragged his prey past Tommy with ostentatious defiance, and disappeared in the direction of the house, stopping occasionally to get a fresh grip on the slippery snake.

"I never thought, when I left South Africa, as a bloomin' old cuttlefish would save my life," continued Jaggs, shaking his head thoughtfully. "It shows as a

cuttlefish 'as some intellect even if it ain't 'andsome."

"Think so?" queried Tommy, who was tenderly polishing his venerable meerschaum with a ragged silk handkerchief.

"O' course," began Jaggs. "I 'adn't ought to ha' went to Sarawak. It was that time as I went collectin' for the Indian Rajah—him as was death on pitcher plants. I reckon I told you about his pet elephant as got an elegant case o' the jim-jams from drinkin' that there fly poison in the nepenthes. Talk about temperance literature! A sight o' that there bloomin' old elephant makin' a disgraceful spectacle of himself was enough to sober a Bowery panhandler. And all along o' them innocent lookin' pitcher plants, as never ought to be let into a prohibition state."

"What's that you say, Jimmy? You ever heard of pitcher plants as was in toxicatin'?" If you'll just stop and think how many things you haven't heard yet, Jimmy, you won't say nothink about pitcher plants. I s'pose you know them there inside kills bluebottle flies, ain't it reasonable that a nepenthes as the Rajah had to feed on chickens would intoxicates an elephant?"

"There's one thing about Polynesia as I'd jolly well like in Jersey," continued Jaggs, who was mending his lingerie by the simple expedient of puckering the holes up into little knots, and then twisting a bit of wire around to hold the ragged edges together. "It's the only place I ever see where shirts grow on trees. All a chap has to do is hunt up a tree about his size, take out a buddin' knife and there you are."

"I suppose, when it's in full bloom, you wouldn't know one o' them trees from a Troy laundry," remarked Tommy frivolously.

"There you go, tryin' to mislead them as hasn't 'ad our advantages again," said Jaggs reproachfully. "There's too many chaps as comes back from their travels and tells a lot o' fairy tales—them bloomin' botanists is always doin' it. There was one o' 'em as up and told me there wasn't no man-eatin' tree

in New Guinea—a fat lot he knew about it. As for them Polynesian shirts, they was made o' bark, soft as a kid glove—you just slips off a section o' the right size, like a boy shucking a willow twig to make a whistle, lace it up with a bit o' raffia, and you've got a full dress costoom. There was one chap I know in the Solomon Islands—a beachcomber from Massachusetts with one eye, named Hopkins, as wouldn't wear one o' them shirts till he'd sewed sleeves in it, but the chief that bossed those diggin's had Hopkins slugged one night—said he wasn't goin' to have no one corruptin' his people with the vices o' civilization."

"I thought what you was startin' out to tell us was about the grateful cuttlefish as saved your life," observed the fireman, with an uninterested yawn.

Jaggs whistled softly for a few minutes, until the parrot was discovered in the act of dropping bits of broken flower pots upon him, from the rafters above, apparently with the idea of preventing an encore.

"Not as you're any judge o' music, you bilious old pirate," remarked Jaggs, glaring at the parrot, while he tried to remove a bit of flower pot that had slipped inside his collar. "I believe as even a cuttlefish would be gratefuller than a parrot, though that one wasn't. It ain't nothink much to talk about, anyway. You know there's heaps o' water snakes in the East Indies; the gaudiest mess o' snakes you ever see—purple, red and yellow, with tufts on their heads like cockatoos. Talk about bein' poisonous—why, a rattlesnake is just Mrs. Winslow's soothin' syrup compared with 'em. 'Tain't just in the rivers as you find 'em; they're sea-goin' reptiles, and there ain't no fun in runnin' into a school o' them venomous beasts, when you're out on a quiet fishin' trip. Well, I was out with a bunch o' Malays, as was gettin' sea cucumbers—what they calls trepang, as they dries for them messy Chinamen. It was a hot day, and I may have been dosin' a bit, when one o' the Malays give a yell, and there we was runnin' right into an acre o' them circus-poster serpents. At the same moment, the boat (it was one o' them outrigger catamarans) begins to rock tremendous, and I see more snakes, as I think, comin' aboard. I see right away, though, as they wasn't snakes—we'd stirred up a bloomin' big cuttlefish, with arms all of 20 feet long, and there we was, with that there J. P. Morgan octopus on one side, and a big mess o' poisonous snakes on the other, and nothink to fight with but the paddles!

"I reckon, as I wasn't takin' no chances with poisonous snakes, anyway, and I made a clip at one pea-green serpent as was makin' straight for me. I wasn't quite quick enough, and I feel its fangs go into my arm, just as the cuttlefish gets one o' them slimy arms twisted right around me. Say, maybe you think I wasn't in a tight place! Sea just a-boilin' with poisonous serpents on one hand, cuttlefish the size of a haystack on t'other, doin' his little best to snake me out into the briny, the old catamaran doin' a regular loop-the-loop, and me knowin' as inside o' ten minutes I'd be deader'n Pharaoh and covered with bright purple spots from that there snake bite! It was a bit different from that time as I rode seven miles through the Himalayas on the back of a snow leopard, that confidin' beast thinkin' as he was goin' to have me for tea, but it

wasn't no pie, I can tell you. Seems if I was a bit dazed—sort o' dotty for a few minutes—then I comes to myself, lyin' in the bottom o' the boat. The Malays was throwin' dead snakes overboard—more'n a bushel of 'em, and there was the devilfish, rockin' on top o' the waves, swollen the size o' two haystacks and covered with big purple blotches!"

Jaggs yawned ostentatiously, and strolled over to read the thermometer, remarking casually that it was about time to turn in.

"But what happened to the cuttlefish?" demanded an insistent chorus.

"Why, that really was what you might call a sing'lar thing," responded Jaggs. "You see, that there cuttlefish got 'old o' me—not as he 'ad any special use for me, but just through general cussedness. Once get them there tentacles touchin' anythink and they 'old on. When that

NOTE

The Editor is pleased when a Reader presents his ideas on any subject treated in the REVIEW. As experience is the best teacher, so do we learn fastest by an exchange of experiences. Many valuable points are brought out by discussion.

Good penmanship, spelling and grammar, though desirable, are not necessary. Write as you would talk when doing your best.

WE SHALL BE GLAD TO HEAR FROM YOU.

poor misguided old lobster got fastened on to my arm, o' course he drew all the poison out o' the snake bite, and reg'larly committed suicide!

"O' course," continued Jaggs, as he moved to the door, "I ain't recommendin' cuttlefish as an antidote to rattlesnakes, but it just shows as there's a use for everythink—even sea serpents."

With that Jaggs commandeered the last pipeful of tobacco left in the jar, and sauntered off to enjoy a solitary pipe among the night moths that haunted the gladiolus borders.

SPANISH IRIS AND GLADIOLUS.

What is the best way to force Spanish iris and The Bride gladiolus so as to get them in bloom for Easter? The Holland catalogues claim that they can be forced quite easily. Let me know if it can be done successfully.

CORNWALL.

Forcing Spanish iris is something new with many of us, but I am trying a few thousand. We must be guided somewhat by the way they grow and flower out of doors. They are perfectly hardy and when planted in beds out of doors for spring flowering they don't flower with us till the middle of June, which proves they could be forced as we do early tulips.

Easter is as early as you can expect to get them. As soon as received in the fall plant in flats of 3 or 4 inches of soil and treat as you would your tulips or narcissus, covering with a few inches of earth and later a little litter or leaves to keep out hard freezing. They should not have higher than a carnation house temperature when brought in to force and allow eight weeks from time of bringing into heat till flowering. Keep constantly moist; never let them be dry or they will come blind. I won't be positive, yet I believe it would be quite difficult to get them in flower before early April.

Gladiolus Colvillei, The Bride is quite different thing. They want no outside treatment, as we do with all the so-called Dutch bulbs, but can be put into soil on the benches where they are expected to flower. Like freesia, they can be grown among carnations or on edges of beds. Yet this is not the way to grow either freesia or gladiolus well and they will repay for a bench of 4 inches of soil in a perfectly light position. There are few more delicately beautiful flowers than this miniature gladiolus, and yet it's not by any means common.

Plant the gladiolus in small lots every two weeks so that you will have a succession. About 55 degrees at night will suit it, but after you see the spike formed it would bear more heat if convenient.

WILLIAM SCOTT.

TWO GERMAN NOVELTIES.

Fred. Roemer, of Quedlinburg, Germany, is showing Begonia semperflorens Golden King. It is described as a variegated sport of the darkest Begonia semperflorens Zulu King, that was introduced in the autumn of 1897. The plants of this novelty, as grown under glass, are of a stout and regular bushy habit, and branch freely. The leaves are very small, round, upright, and bright sulphur-yellow colored, marked sometimes with spots or blotches of an orange color. The veins of the leaves are sometimes of the same yellow color, but at other times of a lively green. The flowers are rich crimson, and the seed-pods crimson-red. When this begonia is planted out the yellow color becomes bright carmine or carmine-rose on the margin of the leaves. Mr. Roemer states: "All the other yellow-leaved varieties of B. semperflorens, such as B. semperflorens atropurpurea foliis aureis, and also of Begonia semperflorens Golden Ball, are less attractive than Golden King."

Mr. Roemer also has a variegated helianthus, of which he states: "Most of the plants of Harpalium rigidum foliis aureis, or Helianthus rigidus foliis aureis, are about five feet in height. They are vigorous in habit and branch freely. The rough leaves are bright sulphur-yellow colored, sometimes variegated with green. The flowers are of good size and of a darker color than the leaves. I dare say there are few perennials that have such bright foliage, and I am sure it will be found valuable for planting in groups or in beds; but single plants will also be very effective. The plants are perfectly hardy and have withstood several winters with me in the open ground without any protection or covering. Last year about fifty per cent of the seedlings came true from seed."

CHICAGO.

The Market.

There is a considerable variation in the reports as to market conditions this week, some of the houses which usually are best fixed for orders reporting demand not to their liking. City trade continues below normal for the season and shipping orders seem to have fallen off somewhat since the chrysanthemums came in, indicating that many buyers have local supplies of these flowers and are using them in place of the roses and carnations for which they must draw on the wholesale markets. E. E. Pieser, of Kennicott's, also notes that practically every order calls for the best grade only, as though there are plenty of lower qualities throughout the territory served by this market, for certainly the call for funeral and other made up pieces has not stopped everywhere at once.

Beauties are the one item short of the demand. Cuts have shortened with most growers and it is not possible to fill all orders. Bride and Bridesmaid are equal to all requirements, both as to quality and quantity. Red roses are not so plentiful, but seem little called for just now. Chatenay is one of the popular items, but the supply is largely increased this season and the quality is good, so there is no difficulty in filling orders.

There is unrest among the carnation growers because returns are not up to the averages of the past two seasons. But it must be remembered that unusual conditions for those two seasons put average prices considerably above any previous record and that this year we are back to normal, with larger supplies than ever. Any grower who has record of the average price of his carnations prior to the two unusual years will find that by comparison he is doing pretty well now.

Chrysanthemums, too, are a few points off from last year's prices, and that before the cuts have reached full tide. When the flood is on it is likely to take a pretty good flower to find what the producer will call a satisfactory sale. It is a little too early to say much about violets. They need a little brisk weather to give them quality. Outdoor flowers are still plentiful, but selling slowly. Green goods are in fair demand. The weather is fine and warm.

Saturday's Exhibition.

The program committee of the Florists' Club met last Friday afternoon at the office of the chairman, C. M. Dickinson, and completed arrangements for the club's first monthly show, to be held next Saturday, October 24, opening at 4 o'clock in the well adapted hall on the third floor at Handel Hall, 40 Randolph street. The Foley Manufacturing Co. has provided premiums for the most meritorious exhibits, both chrysanthemums and carnations, in addition to the certificates which will be awarded under the rules. The judges are J. S. Wilson, Ernst Weinhoeber and E. A. Kanst. A good display is assured and a good attendance, just how good, of course, cannot be foretold, but upon it will depend the club's next move. If sufficient support is forthcoming a much larger show will be given in November, to which the public will be invited. Everyone in the trade should be on hand Saturday afternoon and evening. At the close of the exhibition adjournment will be taken to a 50-cent dinner, where speech making will be in order.



Willis N. Rudd, President-Elect of the Chicago Florists' Club.

The Florists' Club met last evening with an attendance which taxed the capacity of the hall and the new era was inaugurated with a vim which speaks for the most useful season in the history of the organization. Much important business was transacted and the following officers elected: President, Willis N. Rudd; vice-president, P. J. Foley; secretary, Geo. W. Wienhoeber; treasurer, Edgar Sanders; financial secretary, Alex. Henderson; trustees, Geo. Woodward, Leonard Kill, John Reardon, E. F. Bentley and Robert Johnston.

Various Notes.

The Pacific Express Company, which operates on the Vanderbilt lines, has been tied up this week by a strike of messengers. A few southwestern shipments were delayed, but nothing serious.

Several of the big growers have lately given their men either a small raise in wages or reduced the number of hours which constitute a day's work.

There seems to be no scarcity of help; Bassett & Washburn advertised in a daily paper last week and received nearly 100 applications from firemen.

The E. Wienhoeber Co. has mailed to customers a very handsome "engagement" book, the work of George W. Wienhoeber.

E. H. Hunt has bought out J. A. Lynn, of Charlevoix, Mich., and is now the only manufacturer of the popular birch bark ware. The new insecticide, Tobak-ine, is having a great sale.

N. J. Wieter is feeling pretty well these days, thank you; his little boy is recovering from a somewhat alarming

illness and they have a nice cut of Beauties just when they need them.

Gunnar Teilmann, of Marion, Ind., is sending E. C. Amling blooms of Robert Halliday chrysanthemum that are a credit to the grower and the reputation of that sterling variety.

E. F. Winterson and his force of assistants are working nights right along getting out orders for supplies.

Robert Lockyear, of Frank Garland's, is on the sick list again this week.

W. N. Rudd entertained a party of ten congenial craftsmen at dinner at Ladd's, on Root street, last Saturday night.

Bassett & Washburn are cutting very good lilies from cold storage bulbs of *Lilium longiflorum giganteum*. They have wholly given up the use of Bermuda-grown bulbs.

Michael Rocklin, of Hunt's, and his brother Morris are to marry two sisters, the Misses Adelson, on January 23.

Ed. Eisner, of C. A. Samuelson's staff, is the proud father of a heavy weight baby girl, and all doing well.

Will Kyle, of Kennicott's, is doing a term of two weeks' jury service.

The daily papers have taken up the matter of the failure to hold a flower show this fall; the Chronicle says it is due to "intestinal strife" in the Horticultural Society. The shows of the Florists' Club come in for commendation.

Bouquet green is arriving and is of very good quality. The price is about \$5 in single crate lots.

Visitors: H. A. Catlin, White Sulphur Springs, W. Va.; J. A. Lynn, Charlevoix, Mich.; Geo. Souster, Elgin, Ill.

PACIFIC COAST.

Geo. F. Struck, representing Lager & Hurrell, the orchid importers of Summit, N. J., has been making a tour of the Pacific coast.

A PLACARD on the walls of a western floral store reads: "A deposit on all orders required, both to encourage honesty and to relieve the mental strain."

The Leedham Bulb Co., Santa Cruz, Cal., has a seedling decorative dahlia with a flower so high built and the lower petals so secured as to be almost spherical. It is crimson in color and has been named Crimson Ball.

CARNATIONS.

Thomas Thompson, Santa Cruz, Cal., does a general retail business but makes carnations a leading feature, and his flowers compare favorably with those of the best eastern growers.

The cultural methods vary but little from those followed in the east. He replants his houses in July and August with plants that have grown in the field from about April 1. The field growth is probably less rapid in the spring months than in the east, owing to the cool nights that prevail on the Pacific coast. And on account of these same cool (frequently really cold) nights not many flowers are produced out of doors. He begins propagating the young stock about the middle of October.

The plants on the benches look exceedingly well, being uniformly clean and vigorous and showing a fine crop of buds. No heat has yet been given, but firing will begin probably the latter part of this month. Heavy firing is not necessary at any time, and none at all on bright days. Each house has liberal side as well as top ventilation and the side ventilators are used every bright winter day. This season he will use anthracite coal for heating and it costs \$13 a ton.

Mr. Thompson retails all his carnation flowers and the price of first class blooms has been 50 cents a dozen the year around. He says, though, that the price of all supplies, fuel, etc., has so increased that the price of flowers will have to be boosted and he will soon elevate his price for carnation flowers to 75 cents a dozen.

Lawson is his banner pink variety. Since the advent of Lawson he has discarded Crocker, finding that he can cut three blooms of Lawson to one of Crocker the season through. But he finds Crocker a good one to sell to customers as a garden plant. Marquis is also in this class and is now grown only to supply wood for propagating plants for sale to those who wish carnations in the garden.

So far his leading white variety has been Los Angeles, which originated with the Redondo Floral Co. It is a good sized flower and very freely fringed. It has been very productive and a steady bloomer with him. He has heard that the flowers do not ship as well as some other whites, but as he does not ship any this lack has not troubled him. He has now on trial Gov. Wolcott, Lillian Pond and Murphy's White. So far Wolcott and Murphy's White have made the best showing.

He thinks well of Estelle as a scarlet, and has a few plants of Adonis on trial. He grows Roosevelt for crimson and the

good old Eldorado for yellow. He has a full bench of Enchantress and is much pleased with this new variety. He finds that his customers will willingly pay fifty per cent more for blooms of this variety than the others.

During the past summer Mr. Thompson added some new glass by extending one of his 18-foot carnation houses fifty feet.

PLANT NOTES.

Regarding Shade Trees.

In most of the larger towns on the Pacific coast societies are being formed with the purpose of beautifying their respective districts. Many of our cities have gone beyond the limits of fourth class villages, and although California is yet in her infancy we have enough people who have a taste for beautifying the city drives and sidewalks to get together and organize improvement clubs. Although palms and acacias are considered among our most valuable shade trees there seems to be a disposition among most planters to use deciduous trees.

First in order is the silver maple, which makes a very handsome tree and does not grow so fast but that with judicious pruning it can be kept within bounds. This tree is alternated very often with the American linden, also a vigorous grower, and a very effective sidewalk tree. The common cork bark elm was very largely planted until about two years ago, but it is not in such favor as it was formerly on account of its habit of suckering. It plays havoc with well kept lawns and has the faculty of breaking cement sidewalks anywhere in its immediate vicinity. Carolina poplars have been discarded for the same reason, and also the white flowering locust. The eastern white elm has been planted quite extensively in many localities, and as it is of slower and more compact growth than the cork bark it is generally considered a more beautiful tree.

In evergreen trees the Acacia melonxylon and Acacia mollissima are the most desirable. The former is the more rapid grower and stands pruning better than the latter variety. The Acacia mollissima has beautiful fern-like foliage and bears immense trusses of sweet scented yellow blooms in the early spring time. None of the other acacias, except Acacia linearis and Acacia lopantha, are used to any extent for sidewalk purposes on this coast.

Palms make a very satisfactory tree, and where there is room enough Phoenix canariensis, Washingtonia robusta and Brahea edulis are extremely ornamental. Where there is less room Chamærops excelsa and Dracæna indivisa will be found very useful. The umbrella tree is very widely planted in the central and southern portions of California, but it does not thrive well when located near the ocean.

Grevillea robusta is a grand sidewalk tree, but is not well known as yet. When well started it makes a very effective growth in a short time and will become a valuable adjunct to our list of sidewalk trees. G.

LAHARPE, KAN.—C. F. Adams is building a greenhouse.

MADISON, WIS.—George Rentschler is building a substantial residence near Calvary Cemetery.

NEW YORK.

Plan for Fall Show.

Leonard Barron, of American Gardening, 136 Liberty street, New York, is press agent for the great chrysanthemum show, November 10 and following days, and requests that all intending to exhibit there will kindly forward promptly descriptions of new plants and flowers, with photos and particulars as to the same. The exhibition promises to be a great success. It appeals to growers as no other show has done in that it provides for both large and small contributors. Its offering of prizes is characterized by the most gratifying liberality. The co-operation of sister societies is a foundation of strength, of wonderful inspiration to President Herrington and his associate officers of the Chrysanthemum Society. And artistic and financial success is beyond any question. The exhibition hall is the finest for the purpose on the continent, and its 7,000 square feet of space will be none too great for the crowds which are anticipated.

Retail Trade Improves.

Retail windows are beginning to put on their fall finery, with an abundance of orchids, chrysanthemums and violets, and with charming effects produced by autumn foliage in combination with these. The retailers seem to have an abundance of funeral work, many are still busy with the October weddings, and all are growing optimistic as to the coming season. When the smoke of the elections has cleared and Elijah has returned to Zion, steadier conditions will prevail and all will settle down to the inevitable hustle that never ends till Easter.

Various Notes.

A goodly quantity of the forty millions of violets that are predicted have already arrived and never were they such a drug so early in the year. There are literally millions of them in sight and the supply promises to be the greatest ever known.

Jas. O'Shea, New York representative of E. J. Taylor, is the happy father of a future florist.

Julius Roehrs, of Carlton Hill, N. J., will have an auction sale of palms, etc., next week at his conservatories, that promises to be a counterpart of the successful venture of Messrs. Craig and Harris, of Philadelphia.

A son of Herman Kretchmar, of the well-known firm of Kretchmar Bros., formerly of Flatbush and later of Nyack-on-the-Hudson, is now a resident of Chicago, in the employ of Peter Reinberg. He was for a short time with A. H. Langjahr, the wholesale florist, of New York and Brooklyn.

Yesterday William Elliott & Sons sold at auction some fine palm stock, rhododendrons and other plants from the Biltmore estate at Asheville. Those who enjoyed the outing at the S. A. F. convention last year did not forget the excellent quality of the exhibit at that time and the attendance and prices realized were quite up to expectations.

Autumn flower shows will soon be in full blast around New York. At Dobbs Ferry, November 6 to 7; at Madison, November 5 to 6; at Tarrytown, November 4 to 6; at New Haven, November 10 to 12, the same dates, unfortunately, as the Chrysanthemum Society

and American Institute exhibition in this city.

Fred Breitmeyer, of Mt. Clemens, will be in the city this week and will bring some sample blooms of his wonderful new rose, which is still unnamed, and for the best name for which \$100 in gold is offered by his firm. Fred will undoubtedly have the \$100 with him, and a warm welcome awaits him and his pink charmer.

In common with other supply men, Reed & Keller report one of the best seasons on record. Christmas is still some distance away, but in two weeks they sold over 10,000 of their folding bell. This is one of their most successful novelties; it can be carried in the pocket and is not injured by usage. Another good novelty is the chime of bells and another is the plushine bell of which they are the originators.

Albert W. Wadley and Miss Mary Gorton, of Newport, were married October 12. They will reside at New Rochelle. J. AUSTIN SHAW.

PHILADELPHIA.

The Market.

Chrysanthemums rule now; everywhere these gorgeous colors add brilliancy to the shops. Colonel Appleton, yellow, and H. Balsley, pink, and Childs are recent acquisitions. The list of fancies is small compared with the ordinary sorts; varieties that brought good prices when they first came into flower, are now offered at very low figures and are hard to sell at that. Prices are unsteady now; the best bring top figures, but they are few when compared with the army of medium grade flowers. Cosmos is tremendously plentiful all at once and "no good," commercially speaking. Dahlias are also plentiful. They still sell, but prices are steadily receding. Carnations are improving and increasing in numbers; the best are coming from a distance. Lillian Pond, Floriana, Enchantress, Mrs. Lawson and other fancy sorts are offered in some quantity. White is still better stock than colored sorts in ordinary grades. Violets are pretty nice now. Valley is fine. Among roses medium Beauties are more popular than extras. Queen of Edgely is coming in more freely. The teas are slowly recovering from the siege of bad weather. Maids especially suffered. It is a pretty clever grower whose stock of this rose is clean and well colored today. To sum up: It's a buyer's market now.

The Flower Market.

The first annual meeting of the Flower Market—His Grace of York informs me I am wrong in saying its the second—was held on Monday last at the Market. The reports of the officers and the auditor were read. They may be summed up in that of Secretary Lonsdale. It was given in one word "Progress." The election of directors resulted as follows: For the short term, Alfred Burton; for the long term, Charles E. Meehan, R. G. Palmer, J. W. Young. Two amendments to the by-laws were proposed: The first changing the fiscal year from October 1 to September 30, to July 1 to June 30, passed without opposition, President Heacock stating that it was simply intended to make the market year coincide with that of the growers. The second amendment removing the clause limiting the number of shares to be held by a stockholder, now placed

at fifty, met with lively opposition. It was said that removing this check might easily result in the Market becoming a private concern and unsatisfactory to the growers who supported it. After spirited debate a vote was taken, resulting in 285 shares for the amendment and seventy shares against. Numerically the friends of the amendment were in the minority, but they were the big stockholders and they held proxies. It was then urged on good authority that the amendment was lost, the by-laws providing that any alteration required the vote of two-thirds of the stock. After a warm discussion the chair decided that the by-laws bearing on this point meant two-thirds of the stock present, and not two-thirds of the total number. The amendment was therefore declared carried. The auction sale of stalls, held just before the meeting produced a small premium, the growers feeling that it is stuff, not position, that counts.

At Dreer's.

The months of August and September have brought results in the great palm growing industry precisely similar to those achieved during the same months by the now famous Lou Dillon and the no less famous Major Delmar—old records broken, new records made. Yet so vast is the stock that the various sizes of each variety remain unbroken, and whether it is "sixes" or "sevens" that are ordered, matters not; they will be forthcoming and in perfect condition. One is told that there is nothing new about the palm business. Perhaps that is so, still there is always food for thought gathered in a stroll through these ranges of houses,—the thrift seen everywhere, the perfect system, the careful attention to every detail necessary to command success, always something new, worth learning if you want to learn. The novelties of interest are present as well as the standards. There is the beautiful green and gold Selaginella Watsoniana, very pleasing to the eye, evidently an acquisition. Then there is a new evergreen, a novelty indeed for this tropical place, of such promise that an exception had to be made in its favor. It is Retinospora Sanderii, said to make perfect specimens, two to two and a half feet high. Phoenix Roebelenii, a rival of Cocos Weddelliana in grace and probably its superior in durability, is on trial. These are both imported specimens and home grown seedlings.

A very bright red alternanthera, considered better than the so-called A. brilliantissima, grown successfully at Girard college and at Fairmount park, is on trial. It seems vigorous, as much brighter than brilliantissima as the latter is than A. amoena spectabilis or A. paronychioides major.

The "fernery asparagus" described before, a hybrid that would climb, has proved a good subject for propagation by cuttings, a most desirable attribute not shared by many of its family.

This week Pandanus Sanderi will be distributed, or at least the distribution will commence. The orders for the golden pandanus have far exceeded expectations. Growers, retailers, gardeners and amateurs have shown full appreciation of its good qualities by ordering freely.

Notes.

W. P. Peacock sent in 13,000 dahlias in one shipment on Monday last, to S. S. Pennock. Over 10,000 were disposed of before 3 o'clock that afternoon.

The Doylestown National Bank reopened its doors last week for business under the new management. It is pleasant to note that the amount deposited was larger than that withdrawn.

George Farrell started work on Tuesday with George M. Moss, wholesale florist, 32 South Seventeenth street.

Edward Reid's paper on the West, published last week, elicited much favorable comment.

C. A. Dunn & Co. are adding the next door basement to increase their facilities for handling stock.

H. Bingham Myers celebrated the first anniversary of his assuming control of the Colonial Flower Shop. Mr. Myers is pushing the Colonial with a will and should make it a success.

M. J. Brinton, of Christiana, Pa., is sending in a nice assortment of carnations to W. J. Baker.

Edward Reid received about 6,000 nice carnations one morning lately. This flower, for which he has a reputation, is gradually rounding into shape. His Maids are of good quality, with fine foliage. Kaiserins here are also excellent. Mr. Reid believes in "turning on the light" when showing his stock.

The October meeting of the Pennsylvania Horticultural Society was held on Tuesday evening. Perennials, hardy chrysanthemums and cosmos were called for on the schedule.

Eugene Bernheimer reports receiving nice flowers of Enchantress and Mrs. Lawson carnations; also Col. Appleton and G. W. Childs chrysanthemums. The Floral Exchange is shipping him nice flowers of Queen of Edgely.

Charles Fox, Broad and Master streets, had a very large wedding decoration last week.

George Faulkner is doing a nice business at his Fifteenth street store.

It is curious how three truthful writers can describe the same thing differently. Take the case of early chrysanthemums. Three local writers agreed as to the grower who produced the first flowers, and the commission merchant who received them. They probably would have agreed as to the retailer who bought them, the swell who ordered them and the pretty girl who received them, had they gone so far; but on the question of variety there was a startling difference. One said it was Glory of Pacific, another Merry Monarch, while a third Montmort. Who was right? PHIL.

BOILER AND PIPING.

I am building a greenhouse 20x100 and would like some information as to how to pipe it and the adjoining houses. Two houses I want to run about 50 degrees at night and the other at 65 to 70 degrees. The coldest nights are about 20 to 25 degrees below zero. I have a high pressure boiler twelve feet long and forty-four inches wide, with forty-six flues. How many runs of pipe will heat the houses and what sizes are the best? How many flows and how many returns. At what part of the boiler should the returns enter? E. J.

It is not possible to give detailed information with the scant data furnished. If the houses have glass on the roof only one 2-inch overhead flow and ten 1-inch will answer for the cooler houses, and one 2½-inch or two 2-inch flows with twelve 1-inch returns for the warmer house. If there is glass on the sides of the houses more returns will be necessary and in the cooler houses the flow must be increased

to 2½-inch. The main flow from the boiler should be not less than a 4½-inch one, and the main return, which must connect at the bottom of the boiler, or at least well below the water line, should be a 2½ inch.

HENRY W. GIBBONS.

ST. LOUIS.

The Market.

Trade the past week was exceptionally good with some of the West End florists. Social affairs were quite numerous, while some pretty good-sized funeral orders were put up by the down town florists. The usual demand, though, that generally comes with the chrysanthemum season has not as yet materialized and the business is not what it should be at this time of the year. The mild weather is still with us and so far no frost of any consequence has appeared. The wholesale houses are still loaded down with stock of all kinds, and of good quality, with prices very reasonable. The wholesalers report that the fancy stock sells well, but there is too much of the second and third quality coming in, which has to be sold for almost nothing. Brides and Bridesmaids are most plentiful, but there are also plenty of Golden Gates. These are selling at from \$2 to \$6 per 100. Fancy Carnot are in demand, so are other roses of this class. Long Beauties are good sellers, but on other grades the market is well supplied. Fancy bring \$3 per dozen, and \$2 and \$1 for the others; shorts 60 and 75 cents per dozen.

Among the chrysanthemums Glory of Pacific, Bergmann and Yellow Queen are best; really fancy blooms are as yet limited. Prices run from \$1 to \$2.50 per dozen. It is said that by the end of this week better conditions are expected in the 'mum market. In carnations indoor-grown stock is improving in quality, but nothing very fancy is seen as yet. There is plenty of second quality at \$1 and \$1.50 per 100. A good deal of outdoor stock is still coming in and with these the market is pretty well supplied with carnations of all kinds.

Violets are becoming somewhat better in color and a few cool days will see first-class violets in the market again; 25 and 35 cents is the price this week. Cosmos is very plentiful and makes good window decorations, being very cheap; 25 cents per 100 buys the best. A big lot of valley was used last week for weddings and was a little scarce. A good deal of wild smilax is in and the past week quite a big lot was used for decorations.

Club Meeting.

The Florists' Club had a very large attendance at its regular meeting last Thursday afternoon in Odd Fellows hall. The meeting opened at 2:30 with all the new officers present except Vice-President Winter. The trustees reported that the list of essays would be ready by the next meeting. Several important communications were read and filed. Four applications for membership were read from S. Silverstone, Vincent Gorley, Max Rotter and Walter Hummel. The first three are retailers and the latter a student at Shaw's Garden. Wm. Bonche was elected to membership.

J. H. Hadkinson, of the landscape department at the World's Fair, was present and gave a very interesting talk and invited all the members to visit the grounds. Mr. McClure and Mr. Bal-

this invited the members to visit Shaw's Garden on November 15 and view the new chrysanthemums, which will then be at their best. Both invitations were accepted with thanks. A committee consisting of Messrs. Fillmore, Koenig and Tesson was appointed by the president to make a collection to help H. Schweitzer, of Mendota, Ill., who recently lost everything by storm. All present contributed and any others can send to any of the committee.

The president handed in a list of the committees which will have charge of the next convention of the Society of American Florists. The chairmen of the different committees are as follows: General reception committee, J. F. Ammann; president's reception, J. J. Beneke; ladies' reception, Fred C. Weber; souvenir publication, R. F. Tesson; press committee, A. S. Halstedt; advertising and printing, F. J. Meinhardt; hotels, E. C. Burchel; finance, Otto G. Koenig; entertainment and sports, Carl Beyer; decorations, Henry C. Ostertag; superintendent of trades display, C. A. Kuehn. The list of the different committees was approved by the club. All chairmen should be present at the next meeting. The finance committee was instructed to begin work at once. Mr. Koenig, the chairman, promised that by the next meeting a report would be made.

The following members have promised essays during the winter: F. J. Fillmore, J. W. Dunford, J. H. Hadkinson, Mr. McClure, A. G. Grinner, Geo. Windler. Messrs. Ammann, Dunford and Halstedt, the trustees, will have the full list ready by the next meeting, when a chrysanthemum exhibition will be given at the club rooms. Three prizes will be offered for the best ten blooms, \$5, \$3 and \$2 open to local growers only.

The question box brought out several lively discussions, especially the one condemning the crape pullers and the club will ask the daily papers to help break up this practice. The meeting then adjourned to partake of an elegant lunch spread in the next room.

The next meeting will be held on Thursday afternoon, November 12, at 2 o'clock.

Various Notes.

J. H. Vesey spent Saturday with the trade on his way home from Fort Wayne, Ind., where he was on a visit to his brother, Judge Vesey.

J. A. McDowell, the orchid, bulb and cactus grower from the City of Mexico, is here making arrangements for space at the World's Fair. Mr. McDowell will also make a display at the next S. A. F. convention, having already spoken for space.

J. F. Ammann, of Edwardsville, A. S. Halstedt and A. G. Fehr, of Belleville, the Ude brothers, Pilcher and Berdan, of Kirkwood, A. J. Jablonsky, of Wellston, Messrs. Dunford, Steidle and Tesson, of Clayton, spent a very pleasant afternoon at the club meeting last week.

E. W. Guy, of Belleville, was in town Saturday buying supplies. Mr. Guy reports trade good, with plenty of funeral work.

Fred C. Weber furnished the decorations for the paint, oil and drug convention at the Southern hotel. A big lot of orchids was used for the occasion.

George Waldbart is making a fine show of cut flowers, also some well grown pot chrysanthemums. Business at his place has opened up nicely.

Ostertag Bros. furnished one of the

largest wedding decorations of the season last week. That's the reason Henry missed the club meeting.

Freddie Weber has returned from his trip east, which he reports very pleasant, meeting with many friends in New York and Philadelphia.

Mrs. M. M. Ayers is again about her place of business after a long illness. She reports trade in decorative work good.

J. F. Windt has some very fine Boston ferns, also extra good pot chrysanthemums. Mr. Windt has been very busy of late.

Bowling.

The Ladies' Bowling Club will go in a body this week Wednesday, to Belleville, Ill., to be entertained by the ladies of that place in a bowling contest. At the last week's bowling Mrs. F. M. Ellis made the highest single game yet made, which was 145. All the ladies are improving and are even thinking of challenging the men for a match in the near future.

Nine of the bowlers were at the alleys on Monday night and rolled their usual three club games, with some very good scores, as follows:

Player.	1st.	2d.	3d.	Av.
J. J. Benecke	164	194	206	188
Carl Beyer	199	171	181	184
C. A. Kuehn	177	182	180	180
Theo. Miller	182	185	170	179
F. C. Weber	113	195	155	154
F. M. Ellis	145	153	150	149
F. J. Meinhardt	162	132	145	146
John Young	145	157	129	140
Freddie Weber	117	116	123	119

J. J. B.

COVERING PIPES.

What is the best material with which to cover steam mains, overhead in a greenhouse, where not all the heat is wanted, but some would be desirable? Most of the pipe is 2-inch and expense is something of an object. F. W.

Hair felt is the cheapest material to use for such purpose, the thickness depending upon the amount of heat it is desired to have escape into the house. One-quarter or one-half inch would be ample. Another handy way is to use the sectional asbestos covering and cover only portions of the pipe, varying the amount of covering as circumstances call for. The asbestos air cell covering made by F. J. Gast, of New York City, is very economical and convenient to use.

HENRY W. GIBBONS.

CATALOGUES RECEIVED.

Harlan P. Kelsey, Boston, Mass., rhododendrons, etc.; W. R. Bishop, Burlington, N. J., dahlias; M. Rice & Co., Philadelphia, ribbons and supplies; F. C. Heinemann, Erfurt, Germany, seed novelties; Pape & Bergmann, Quedlinburg, Germany, seed novelties.

BELLEVUE, PA.—Fred Burki, who has been reached at this postoffice, should now be addressed at Crystal Farm, Gibsonia, Pa.

COLUMBUS, O.—The Fifth Avenue Floral Company is building an even-span house 25x100 and the Livingston Seed Company three houses 16x100 for plant trade. Ralph Knight, foreman at Livingston's, has resigned to take the management of the establishment of the Smith Floral Company. The weather has been unfavorable for outdoor flowers and good stock in all lines is scarce.

MADISON, N. J.

A Wonderful Region.

It would take a week of steady visitation and sunshine to do justice to that modern rose-garden of Eden, Madison and vicinity. A day and a half, therefore, of the wettest of wet weather enabled me to only touch the hem of its garment and left for a more convenient season the completion of a delightful visit. Having seen this gem of God's country only at the yearly Florists' and Gardeners' Club banquets, and after the evening shades had fallen, I was not prepared for the magnificent view that spread before me in every direction from twenty to thirty miles.

With the Rose Growers.

Rose growing establishments seem to emerge from every side, and to tell the story of one of these rose factories is to give an epitome of all, for wherever we go Brides and Maids reign triumphant, and with few exceptions these are the staple varieties, and form the bulk of the shipments that make their influence felt so forcibly every morning in the busy wholesale marts of New York city.

Some of the establishments visited are models of neatness, thrift and enterprise; all of them should be. Many of the growers are "old timers" who have grown gray in the business, and whose reminiscences are decidedly interesting.

C. H. Totty has the nucleus of a splendid range, with an abundance of land, and every promise of permanency and progress. His stock of roses and carnations are as good as the best, some exceptionally grand Lawsons especially giving evidence of expert culture. A delightful home and family add to his facilities for extracting a goodly share of life's sunshine and his venture into the responsibilities of independence is already a pronounced success.

Near him is the plant of that veteran wholesaler, James Hart, of West Thirtieth street, a name synonymous with the wholesale cut flower trade when most of his present associates were in the nursery business, and when it took grit and money combined to establish a trade and hold it through the vicissitudes of that adventurous era. Mr. Hart was struggling with a mildew visitation when I called and was by no means alone in his sulphurous atmosphere, the long damp spell having brought the same affliction to nearly every grower whose establishment was visited. Pleasant calls were made upon Schultz Bros., James Dunlavey, Wm. Mulholland, M. B. McGuire, Michael Noonan, William Charlton, Richter & Barton, E. J. Fenton, Edward McGinnis, Michael Brady and Benj. Gary. Our old friend Wm. Plumb also had a warm welcome, as usual, and surprised us with the finished condition of his range of glass, every house being in ship-shape order. There are dozens remaining whose establishments I hope to visit shortly.

Good New Chrysanthemums.

Few men are better known to American floriculture than Arthur Herrington, president of the Chrysanthemum Society of America, and William Duckham, manager of the beautiful James estate, and a prominent member of the Madison society and the New York Florists' Club. The exhibits made by these gentlemen at the fall shows in and around New York for years have made them famous.

Some grand new chrysanthemums were

especially interesting at Mr. Duckham's and the exhibition in New York in November will receive some of the grandest blooms ever placed before the public. A superb white, Miss Florence Molyneux, a mauve pink, nearly twelve inches in diameter; William Duckham, a splendid keeper, yellow; Mrs. E. Thirkell, General Hutton, yellow, and Harrison Dick, an orange, were especially admired.

In the conservatories about every variety of palm and fern is in evidence and all are in as perfect condition as it is possible for them to be. Orchids, roses and carnations and, in fact, everything that is of value in floriculture is here, as far as the space at his disposal will permit. The same perfection prevails in the lawn decoration and the evergreen garden, and the hand of a master artist can be seen on every side.

J. AUSTIN SHAW.

CINCINNATI.

The Market.

The demand for stock has greatly increased in the last week; general conditions are much improved and everyone seems to be doing his share. Prices are being gradually boosted and were it not for the large quantity of stock that is coming in there would be a decided rise. Chrysanthemums are coming in large numbers and the price is a trifle lower than last week, but this is only for the poorer grades. Pink 'mums do not seem to sell as well as they might. White takes the lead, as usual, but there is a brisk demand for yellow and not enough good stock to take care of it. Many growers make the mistake of cutting their blooms before they are much more than half open, so as to get them to market a few days sooner. The blooms, being but half matured, will not hold up outside of an ice box. Thus the retail buyer who expects a chrysanthemum to last four to six days at least, finds that they wilt down over night and it is next to impossible to revive them. It will be money in the grower's pocket if he will leave his blooms to mature perfectly.

Short-stemmed roses are still a trifle over plentiful, but the increased demand has helped move large quantities of them that have been finding their way into the barrel. Longer stemmed ones are selling out clean and at fairly good prices. Beauties are scarce and so are Meteors and Liberties, but there is an abundance of all other kinds. Carnations are coming in much heavier, but still there are scarcely enough. All varieties have been showing a decided tendency to go to sleep very quickly. It is hard to account for this, but it makes handling them very unsatisfactory.

Violets are arriving in much larger quantities and there are takers for all of them. The quality is very good. The price still remains about 50 cents. Cosmos is still in large supply, as we have had no frost as yet. A few callas and Harrisii are arriving. Valley is selling well. Greens are plentiful.

Various Notes.

The B. K. & B. Floral Co., of Richmond, Ind., is sending in a good many blooms of their new red carnation, Richmond Gem. This variety is improving very rapidly and the flowers now measure two to two and one-half inches. It has a beautiful color and strong perfume, also good length of stem and judging

from the quantity being cut from small space, it is very prolific. It is hardly a fancy variety, but looks to be a money maker, and that is what the average grower is looking for.

The Queen City Flower Co. has discontinued business and the Rosebank Co. will occupy its store in the near future. Miss Edith Kyrk, who was manager for the Queen City Flower Co., has opened a store in Avondale.

The retail stores along Fourth street are filling their show windows with chrysanthemums and the display is very beautiful. This will undoubtedly do more to boom the sale of this flower than any other method of advertising.

L. A. Jennings, of New Castle, Ind., and Mr. Lodder, of Hamilton, Ohio, were callers. C. J. OHMER.

THE INDIANAPOLIS SHOW.

With fourteen successful shows in the past, Indianapolis is to have another exhibition November 10 to 14, upon a larger basis. The premium list this year is heavier and more complete than for any other show in the United States for 1903. Extensive preparations are under way to decorate Tomlinson hall with thousands of electric lights and yards of laurel. Tomlinson hall has been remodeled and will lend itself as never before for decorating.

A great many of the growers of the middle west have already signified their intention of exhibiting, and the request is made by the manager of the exhibition that the entries be made early, so that room may be provided for all. The show has been extensively advertised throughout Indiana, Illinois and Ohio, which will guarantee all exhibitors a large advertisement on their exhibits.

Two able and well known judges, Emil Buettner of Chicago, and Theo. Bock, of Hamilton, O., have been selected. On Thursday evening, November 12, the State Florists' Association will entertain all visitors to the show, and a merry time is anticipated in this respect.

Among the more prominent exhibitors at the show will be John N. May, Summit, N. J.; E. G. Hill Co., Richmond, Ind.; W. J. & M. S. Vesey, Fort Wayne, Ind.; Gunnar Teilmann, Marion, Ind.; Nathan Smith & Son, Adrian, Mich.; F. Dorner & Sons Co., Lafayette, Ind.; Bassett & Washburn, Chicago, and others, besides Baur & Smith, Henry Riemann, Bertermann Bros., J. Heidenreich, F. Huckriede & Son and many others from Indianapolis.

RENT FOR PALMS.

One question I have never seen answered in the REVIEW is as to the proper price to ask for the use of palms from month to month, the proposition being that a large hotel wants a lot of plants and wants them changed each month, the old ones taken away and fresh ones brought. The house is heated by steam but the plants would have to stand bad treatment at times. Phoenix, latanias and arecas are wanted. What would be a fair price say for plants ranging all the way from 3-inch to 12-inch pots?

SOUTHERNER.

BAY CITY, MICH.—Shepherd & Son have about completed the season's addition to their already large greenhouse plant on Columbus avenue.

INDIANAPOLIS, IND.

State Florists Meet.

At the monthly meeting of the State Society of Indiana Florists there was a good attendance and plenty of interest. F. Sidney Smith, who had just returned from Texas, brought some cotton weavils, which are playing havoc with the cotton down there this year. He gave quite a talk on the difference between a life down there and the life one lives up here. If it isn't a drought down there, it is a flood or a hailstorm, or some insect pest like the one which is ruining the cotton. He reports that the state of Texas is offering \$50,000 to the man who invents something that will effectually destroy the weevil.

Show Preparation.

I. Bertermann reports preparations for the fall show progressing favorably; more premiums than ever before and more interest among the people. Low rates are offered by the railways throughout the state. There is a liberal premium offered for a new rose not yet in commerce, nor even named, and we hope to see an interesting competition for this prize. Another feature of this show will be the inspection committee. Each exhibitor, after setting up his exhibit, reports to this committee, which will inspect his exhibit to see that it conforms with the requirements of the class it is entered in. This relieves the judge of much labor in counting, etc., besides removing from his shoulders the responsibility of ruling out an exhibit that does not conform with the requirements. It has often happened that a visitor broke a bloom in a vase of several and when the judge found the vase one short he was obliged to rule it out. This will not happen now, as the committee will know that the required number were put into the vase by the exhibitor and the judge will pass judgement on what remains. The committee consists of H. W. Riemann, H. Junge, E. A. Nelson and A. F. J. Baur. There will be a banquet given by the society to its members, and all those of the craft from out of the state, so don't forget to make arrangements before you leave home to stay over Thursday night.

Notes.

This city is again threatened by the fakir pest, but all the down-town storemen have risen in arms against them and they will be driven out and kept out if such a thing is possible. None of the local growers will sell to them, but they ship in their stock from Chicago and other large flower centers. The local election has just taken place and when the new mayor takes his seat the florists will renew their efforts against the fakir.

All kinds of stock is improving. Carnations are getting better right along and steady firing is telling on the roses. 'Mums are coming in in better quantity and quality, and some good blooms are now to be had. Trade is picking up nicely and all good stock is used up right along. A. B.

We are in receipt of the fourteenth annual report of the Missouri Botanical Garden, a handsome volume of which 206 pages, accompanied by twenty plates, are devoted to a "Synopsis of the Genus Lonicera," by Alfred Rehder.

.....BUSINESS AND OTHER NOTES.....

YORK CITY, PA.—Charles Shaffer is building two carnation houses, 30x150 feet.

WEST END, N. J.—Jas. Ambacher has moved his business here from Long Branch.

NORWAY, ME.—Fred H. Cummings & Bros. have built a new greenhouse on the site of the old one.

CORTLAND, N. Y.—Adolph Frost is building two new houses, 25x55 and rebuilding another 75x75.

BURLINGTON, WIS.—A fifty-five foot smokestack has just been completed by the Burlington Floral Co.

HAZELTON, PA.—Conrad Ackerman, the blind florist, is building a greenhouse on East Chestnut street.

GALESBURG, ILL.—Gesler & Drury have housed about 12,000 carnation plants. They report a great deal of stem-rot in the field.

WICHITA, KAN.—A. T. Buckridge has just completed a new greenhouse 16x65. He is making a specialty of outdoor roses.

FAIRMOUNT, W. VA.—H. Glenn Fleming has just finished installing Lord & Burnham boilers to heat his four new houses, 30x75.

BOWLING GREEN, KY.—The Burdell Floral Co. has been incorporated with \$2,500 capital stock by R. W., C. J. and Florence Burdell.

NEEDHAM, MASS.—Denys Zirngiebel says it has been a good season on pansy seed and he is about sold out, with a brisk sale also of plants.

HARTFORD, MICH.—W. H. Blashfield, a successful private grower, is building a greenhouse 15x40 and will engage in plant growing as a business.

NASHVILLE, TENN.—The Nashville, Chattanooga & St. Louis railway is building another greenhouse, 57x100, at its yards in West Nashville.

DEFIANCE, O.—Carl Scharffenberger has been awarded the contract for the bedding at Riverside cemetery in 1904. It will be the third year he has done this work.

LOUISVILLE, KY.—H. Nanz has taken charge of the work of seeing that this state has an adequate representation in F. W. Taylor's department at the St. Louis fair.

TOLEDO, O.—Fred Rinker has been given a patent on a new style of iron-frame greenhouse on concrete foundation. He is putting up three houses for the Cranes.

TRENTON, N. J.—G. C. Roebling, H. T. Clinkaberry, gardener, recently donated to the building fund of the Royal Horticultural Society of Great Britain a splendid plant of *Zygopetalum Roeblingianum*, which after being on exhibition was sold at auction for \$250.

WARREN, O.—Adgate & Son are out with a handsome new delivery wagon.

TEWKSBURY, MASS.—It is M. A. Paten's son, Wilbur, who is to be congratulated on the new daughter.

MAYVILLE, WIS.—Miss Ella Naber is starting in the florist business, her greenhouse being nearly completed.

NORTH WALES, PA.—Charles Krenkel is adding to his glass and will grow carnations more extensively than before.

CHATHAM, N. Y.—R. E. Shupheldt has been rebuilding and enlarging some of his houses and still has a new boiler to set.

CANANDAIGUA, N. Y.—The Florists' and Gardeners' Association is planning to hold its first annual flower show in November.

ELIZABETH, N. J.—Hitchings & Co. have built a house 36x100 as an addition to the establishment of Mrs. C. M. Hutchinson.

MONTREAL, QUE.—The Montreal Gardeners' and Florists' Club will hold its fourteenth annual fall show November 11 and 12.

BARRE, MASS.—Geo. R. Simonds says that the quick sale of surplus stock indicates that Queen Louise carnation is a popular sort and that the plants are scarce.

SAND HILL, MICH.—A. J. Stahlein has his new greenhouse nearly completed and is putting in a new hot water boiler from the Superior Machine and Boiler Works, Chicago.

SOUTH NATICK, MASS.—John Barr, who has been for some years gardener for Mrs. B. P. Cheney, is leaving to devote his entire time to the Little South Floral Co., in which he has been interested since its organization.

SAN MATEO, CAL.—Fick & Faber have added a new rose house. Mr. Hardy has built a new carnation house and the stock is in good condition. He has five houses and makes a specialty of adiantum. Mr. O'Hearne's place is mainly in carnations and the plants are in good shape.

COLUMBUS, O.—The Livingston Seed Co. is using the Hippard Duplex gutter in its three new houses, 16x100. It is their intention to build all future houses with iron gutters and flat tie tables. They are growing 10,000 'mums for their retail trade. They have just cut out a fine table of Estelle and are now cutting good Bassett and Robinson.

OVERVEEN, HOLLAND.—At the dahlia show of the Dutch Horticultural Society, October 5, many certificates were granted to meritorious sorts. H. Horns veld, of Baarn, exhibited a new race of single cactus dahlias of immense size and the varieties Baron de Graney, Glory of Baarn, Queen Wilhelmina and Prince Henry were especially commended.

FOR SALE—Wholesale florist's ice box, almost new, filled with granulated rock, lined with galvanized sheet iron; 8 feet wide, 5 feet deep 9 feet high, in sections: \$90.00 f. o. b. Pittsburg Fred Burki, Bellevue, Allegheny, Pa.

NURSERY NEWS.

AMERICAN ASSOCIATION OF NURSERYMEN.

Pres., N. W. Hale, Knoxville, Tenn.; Vice-Pres., F. A. Weber, St. Louis; Sec'y, Geo. C. Seager, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-eighth annual convention will be held at Atlanta, Ga., June, 1904.

THE tree dealers are now at the nurseries of the middle states in full force.

THE Storrs & Harrison Co. employs a steam tree digger in getting out nursery stock.

MRS. C. E. TILTON, of Tilton, N. H., is to expend \$6,000 in the improvement of Park Cemetery.

A PLAN and planting list for a new park at San Diego, Cal., has been prepared by Samuel Parsons, Jr., New York. It calls for large quantities of native stock.

JOHN F. GUENTHER, of Rochester, died October 12, aged 76 years. He came from Germany while yet a young man and started in the nursery business. His son, F. Guenther, is now in the nursery and florist business at Brighton, N. Y.

WITHIN the city of New York there are over eighty distinct parks, ranging in size from one acre to over 1,700 acres, the largest being Pelham Bay park, near City Island, with 1,756 acres; followed by Van Courtlandt park, with 1,132 acres; Central park, 843 acres; Bronx park, 660 acres, and Prospect park, Brooklyn, 516 acres, and so on to the smaller breathing spots of the metropolis, making a total altogether of nearly 7,000 acres.

PREPARING FOR PLANTING.

J. A. Pettigrew says that the preparation of the ground for the planting of trees or shrubbery is as much a matter for consideration as the question of when to plant or what to plant. Due importance is frequently not given to this fact. Trees and shrubs often are crowded into holes that are not large enough to permit even their roots being extended. Such planting generally is accompanied by a lack of subsequent cultivation; and the result is failure.

For single specimen trees, or for widely spaced trees, holes for planting should be prepared of not less than fifteen feet square, and three and a half feet deep. If the subsoil is good a simple loosening up, with an admixture of stable manure or peat, will be sufficient; if of sand or sterile gravel, and the best results are desired, it would be better to excavate the whole and substitute loam.

A proper preparation of the ground when intended for mass planting entails plowing and subsoil plowing, continued in cross directions until the ground is thoroughly broken up and reduced to a mellow condition. Should humus, or organic matter, be deficient in the soil, this should be corrected by a dressing of stable manure, peat, or other organic matter. This treatment will insure a condition of the soil which will make it hold moisture and assimilate fertilizers. In dry, sandy, or gravelly soils too much importance cannot be given to the value of surface mulching, or constant cultivation, after planting.

80,000 TWO-YEAR-OLD PRIVET

Well branched, will sell in row or block. Plants are very fine.

WANTED.

1000 strong plants G. H. Crane Carnations and 1000 Marie Louise Violets.

Quote Price.

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Successors to JAMES MCCOLGAN & CO.

Offer to the trade a large stock of

California Privet

IN SEVERAL GRADES.

100,000 Ampelopsis Veitchii,
1, 2 AND 3 YEARS.

PRICES ON APPLICATION.

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Sample Colored Plates free—Send for Catalogue

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Wholesale Growers of **ORNAMENTAL TREES,**
Shrubs, Roses, Clematis, Fruit Trees and
Small Fruits in great variety

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Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.,
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CHAS. D. BALL,

GROWER
OF

Palms, Etc.

Send for
Price List.

HOLMESBURG, PHILADELPHIA, PA.

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Seed Trade News.

AMERICAN SEED TRADE ASSOCIATION.

Pres., S. F. Willard, Wethersfield, Conn.; First Vice-Pres., J. Chas. McCullough, Cincinnati, O.; Sec'y and Treas., C. E. Kendel, Cleveland, O. The 23d annual meeting will be held at St. Louis, Mo., June, 1904.

THE Mann Seed Co. has been incorporated at Portland, Ore.

THE Ford Seed Co., of Ravenna, Ohio, has filed an involuntary petition in bankruptcy.

CALIFORNIA crops are being shipped, and the invoices show a full delivery in most cases.

THE many changes in postoffice addresses occasioned by rural free delivery require that mail lists be corrected with great care to avoid duplication.

THE government has taken voluminous testimony in the matter of the claim of the New York Market Gardeners' Association. A decision is expected shortly.

AS PREDICTED in this column at the time, the September frost in the Rocky Ford, Colo., district, while it cut off the melon crop, increased seed production to a considerable extent.

THE small onion set growers have come to terms with the buyers, and the scattered lots which they have held and which have had a depressing effect on the market are now out of the way.

SEED CROP SUMMARY.

Onion Sets.

White sets are spoiling considerably owing to a dry rot that seems to get worse the longer they are stored. This is likely to cause high prices for whites when spring demand starts in. Yellows and reds are keeping better, but the quantity of them in storage is not up to the average of ordinary years. Good prices will rule before planting begins.

Beans.

The threshing of the garden varieties is on at most of the growing stations. Valentines are the sort that promise to be the shortest. Michigan will produce about the average quantity from a given area this year, but in New York and other eastern sections a considerable fall down is indicated. The color of the eastern product will be poor.

Peas.

In most cases the deliveries from the growers have been made and the situation appears to be about what has been expected. The hand picking is well under way and the percentages that are to be delivered on contract orders should be known shortly.

Cucumber.

There is still much speculation as to what the final outcome will be. It is generally conceded that the crop will be far short of what it should be, and that last year's values for the seed will hold good this year.

Sweet Corn.

Notwithstanding the very favorable fall weather, the growers fear that most of the late varieties will fail to mature

NEW CROP SEED SWEET PEAS.

Blanche Burpee—Pure white.....35c per lb.
 Blanche Ferry—Pink and white.....35c "
 Capella of the Blues—Dark blue.....35c "
 Dark Lavender—Very fine.....50c "
 Countess of Radnor—Pale, fine.....35c "
 Emily Henderson—Fine white.....35c "

Earliest of All—Fine forcer, pink and white.....50c per lb.
 Katherine Tracy—Fine rose.....35c "
 Mont Blanc—Extra fine white, good forcer.....50c "
 Navy Blue.....35c "

The Bride—White.....50c per lb.
 Christmas Forcing—Pink, per 1/4-lb., 40c; lb. \$1.00. White, per 1/4-lb., 40c; lb. \$1.00.

If wanted by mail add at the rate of 10c per lb. for postage.

STUMPP & WALTER CO., 50 Barclay Street, New York City.
 Branch Store, 404 East 34th St.,

Mention the Review when you write.

fully, and that much of the product will be spoiled in the curing. Present indications point to a scarcity of all the standard late sorts. High prices are being asked for all the late varieties, and many of the large growers are at sea as to the proper values to put upon the early sorts. It is a case of wait for developments, and a question as to who will come out best, the one who waits, or the one who purchases now.

SOME EUROPEAN NOVELTIES.

Quite a number of noteworthy novelties are offered by European growers for the season of 1904. M. Herb, of Naples, Italy, offers a new coleus of a dwarf and very compact growth, with long, narrow and gracefully overhanging leaves. The colors of the irregularly curved and undulated, willow-like leaves are so lively and their shade so manifold, that this decorative plant rivals many flowering plants. It is well adapted for planting in beds. He also offers two dwarf varieties of helianthus, single-flowered varieties of very compact growth. *Maurandia atrocerulea grandiflora* is another of his novelties which will be very interesting to all florists who grow pot plants for spring sales. This new *maurandia* is described as possessing giant flowers of a beautiful dark blue. The plant grows very willingly and vigorously and produces as large a number of blooms as the old, small-flowered species. This plant is a splendid, fine-leaved climber. M. Herb also offers a very large-flowered, yellow *datura* under the botanical name of *Datura fastuosa colossea aurea plenissima*. This variety has large flowers, golden yellow and very sweet scented. The flowers are double and are composed of three tube-like crowns, which are plicated like filtering papers. This will make a fine plant for the lawn. *Zinnia elegans fl. pl. crispa* is another type of zinnia and is offered in pure white, carmine, light scarlet, cream and saffron. *Celosia monstrosa aurea* is a new, very tall-growing, yellow-flowering coxcomb. *Aster Peony Perfection*, with quilled center, is certainly a striking novelty and is said to remain double not only during the hot weather, but even when they begin to fade.

Messrs. Haage & Schmidt, of Erfurt, Germany, are also out with several very attractive floral novelties. *Ageratum mexicanum Little Blue Star* is described as making very tiny, bushy plants not exceeding four to five inches in height. *Aquilegia ecalcarata* is a new perennial from the Japanese island, Yezo, and has proved to be perfectly hardy in our climate. A new *Aster sinensis*, Fairy, is a type of ray aster. *Begonia Schmidtii rosea*, a new pink, is highly recommended, having a much prettier effect than the white-flowering type of this plant. *Lobelia Cavanillesii lutea* is a very attractive greenhouse plant, blooming the first year from seed. *Phlox Drummondii ana compacta Apricot* is a new dwarf, of very uniform growth and height, said

Burpee's Seeds Grow

SEEDS

THE ALBERT DICKINSON CO.

Timothy, Clovers, Flax, Hungarian, Millets, Red Top, Blue Grass, Lawn Grass, Orchard Grass, Pasture Mixtures, Bird Seeds, ENSILAGE CORN, POP CORN, BUCKWHEAT, BEANS, PEAS, ETC. COTTON GRAIN BAGS. CHICAGO ILL.

WANTED

GNAPHALIUM LANATUM.
 2000 to 3000

Quote us lowest price for immediate shipment.

ST. LOUIS SEED CO.

615 N. 4th St., ST. LOUIS.

Mention the Review when you write.

to be very distinct. *Tropæolum Lobbianum Black Prince* is said to be undoubtedly the darkest variety among Lobb's climbing nasturtiums. The plants are of strong, vigorous growth and produce their flowers very freely.

NEW ORLEANS.

Horticultural Society Notes.

At the meeting of the New Orleans Horticultural Society, held October 15 at 110 St. Charles street, the members entered into a very extensive discussion upon this season's crop of chrysanthemums, and it was the unanimous opinion that the flowers this season would fall decidedly below the accustomed supply. The meeting was presided over by Vice-President Eichling, and Secretary D. Newsham was also present. After transacting the regular routine business of the society, the discussion was opened, and almost everyone present expressed his opinion and told his experience. They found that there would be a fair growth of the white flowers, but the yellow flower, which is by far the most popular, would be far below the standard. This is due to the fact that there was a great deal of rain in the summer and a long spell of dry weather following, which checked the development of the blooms. The market, therefore, will be somewhat short on these popular flowers this winter.

I CANNOT do without the REVIEW, as it is the best guide as to where to buy stock, and if I have anything to sell I can't do better than to advertise in the REVIEW.—E. O'NEIL, Wheeling, W. Va.

ENCLOSED is another dollar for the REVIEW; I find it one of the things indispensable.—JAS. HARRIS, Milton, Ore.

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ASPARAGUS PLUMOSUS ROBUSTUS

Which grows more rapidly, yields more sprays for cutting and is by far more valuable for florists than any other sort.

\$1.00 per 100 seeds; \$9.00 per 1000 seeds.

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ENCLOSED is a check for another dollar for subscription. The florist's best friend is his bank account; next comes the FLORISTS' REVIEW. It is a pleasure and a profit to sit down in the shade on a summer day or in one's warm office in winter and read what our brother florists over the whole country are doing.—C. W. EIFLER, Altoona, Pa.

SAMUEL S. PENNOCK, VALLEY.

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we are open from
7:30 a. m., until 8 p. m.

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Tea Roses and Beauties

fresh cut and shipped direct from the
greenhouses.

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BOSTON.

The Market.

The crop of flowers held out remarkably well during the past wet spell. The supply became very thin in spots part of the time. The procession of retail buyers was also very slim, while the unfavorable weather lasted. White carnations were the scarcest item, but supplies were increased again by last Saturday. Roses, usually the most limited of flower crops, seemed to hold up the best of any, except it might be chrysanthemums, which, you know, as a general thing refuse to be affected by such small things as changes in the weather conditions. There are lots of the early varieties now on and selling very reasonably, also a few of the large later kinds; \$2.50 per dozen is the best price. The red rose situation is peculiar. The local supply is very low indeed, and only just enough demand to balance it, while there is every indication of a huge surplus in a very few weeks, especially of American Beauties. While there has as yet been no general freeze, and the tenderest plants are green in many localities, the nature of the growth of outdoor plants this season so unfitted them for cold nights that all outdoor flowers are about gone, asters entirely so.

Notes.

New faces and familiar ones not seen since last spring are gradually appearing, both among sellers and buyers. Vacationists are about all returned and there is a general air of expectation of business. A few salesmen from out-of-the-state concerns are skirmishing around.

Outside of a big lot of severe colds I think the general health of the florists is very good, but rose-grower Dana was a bit under training a few weeks. Foreman J. J. McManus was off a few weeks, doing escort duty to a case of honorable

Lake View Rose Gardens

Wholesale Growers and Dealers in

Carnations, Cut Flowers
Roses, and Supplies.
American Beauties,
Chrysanthemums, Lilies, Smilax
and Asparagus. 75,000 Cut Bloom
Chrysanthemums.

JAMESTOWN, N. Y.

inflammatory rheumatism in one knee, and Sam Wax is not up to his usual condition.

J. S. MANter.

NEW HAVEN, CONN.

The last few weeks have been rather quiet in all lines except funeral work, which seems fairly good for this time of year. Cut flowers are very plentiful; in fact overcrowding the market. Chrysanthemums are coming in very good and seem to be the mainstay of the market. Roses are not as good as last year, and the demand for them is limited. Carnations are good, some of the best coming from Farmington, Conn. Violets are improving in size and color this cloudy weather, but the demand is irregular. Jack Frost has not visited us yet and so there are plenty of dahlias and cosmos. Good cool weather and sunshine is needed to make the flower market move and with it better quality of goods.

S. H. W.

THERE is no paper that comes to me which is read with more real interest and benefit than your excellent publication, and I trust it may remain with us long, and continue to improve.—WM. M. LINDSAY, Birmingham, Ala.

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Cut Right
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CUT FLOWERS

Special Offer!

1,000 PALMS

Kentia Belmoreana

5-inch pots, 20 to 24 inches high.

QUALITY EXTRA.

Per doz., \$8.00; per 100, \$84.00.

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Selected Dutch Bulbs

250 Bulbs at 1000 rate.

Single Tulips.	100	1000
Artus, bright red good forcer	\$1.25	\$9.00
Belle Alliance (True)	1.85	17.50
Crimson King, deep scarlet .....	.90	8.00
Cottage Maid, pink and white	1.00	8.75
Chrysolora, purk yellow	1.00	8.50
Duchess de Parma, red and yellow ...	.75	6.25
Kelzerskroon, scarlet and yellow	1.00	9.50
La Reine (selected stock) .....	.80	6.75
Pottebakker, scarlet	1.25	12.00
yellow	1.25	11.50
Yellow Prince, golden yellow .....	.90	8.00
Superfine Mixed .....	.70	5.50
Fine Mixed60	5.00

FREESIA REFRACTA ALBA, 1st size, selected, 45c per 100; \$3.75 per 1000.

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Enchantress	Fair Maid	The Queen
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All our plants are vigorous and healthy and having the best facilities for rooting we are prepared to fill large or small orders. Long Distance Telephone.

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Single Narcissus. 100 1000

Trumpet Major, extra large bulbs. ...	\$.90	\$8.00
Incomparabilis, yellow, good forcer. .	.60	5.00
Poeticus, white, orange cup. ....	.45	3.75
Barri Conspicuous, primrose and orange, scarlet.	1.00	9.00

DOUBLE NARCISSUS.

Von Sion, selected, first size	1.40	13.00
Alba Plenaodorata, white. ....	.65	5.50
Incomparable, yellow. ....	.65	5.75

CHINESE SACRED LILIES.

Per basket (30 bulbs), \$1.40; per mat, 120 bulbs, \$5.00. Large size, per basket (25 bulbs), \$1.60

Wholesale Cut Flower Prices.

Philadelphia, Oct. 21.

	Per doz.
Beauties, Specials	\$ 2.50 to \$4.00
Extra	1.50 to 2.00
No. 1	1.00 to 1.25
Queen of Edgely, No. 1	2.00 to 2.50
No. 2	1.00 to 1.50
	Per 100
Brides and Bridesmaids, No. 1	4.00 to 6.00
No. 2	2.00 to 3.00
Golden Gate, Firsts	4.00 to 6.00
Seconds	2.00 to 3.00
Kaiserin, Firsts	5.00 to 8.00
Seconds	2.00 to 4.00
Liberty, Firsts	6.00 to 12.00
Seconds	3.00 to 5.00
Meteor, Firsts	4.00 to 6.00
Seconds	2.00 to 3.00
Perle	2.00 to 4.00
Sunrise	3.00 to 5.00
Ideal	4.00 to 6.00
Orchids—Cattleyas	40.00
Cynripediums	20.00
Carnations, Commons	1.00 to 1.50
Selects	2.00 to 2.50
Fancy	3.00 to 4.00
Adiantum Cuneatum	1.00
Asparagus Plumosus, Strings	35.00 to 50.00
Bouvardia	2.00 to 2.50
Cosmos .....	.25 to .50
Chrysanthemums, Ordinary	4.00 to 8.00
Fancy	15.00 to 25.00
Dahlias, Common .....	.50 to .75
Fancy	1.00 to 2.00
Daisies, Yellow	1.00
Lily of the Valley	8.00 to 5.00
Smilax	10.00 to 15.00
Sweet Peas	1.00
Violets, ordinary25 to .40
Extra50 to .75

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Special arrangements this season for the extensive handling of American Beauties.

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Wholesale Cut Flower Prices.

New York, Oct. 21.

	Per 100	
Beauties, Specials	\$10.00 to \$25.00	
" Extra	8.00 to 10.00	
" No. 1	4.00 to 6.00	
" Shorts	1.00 to 3.00	
Brides and Maids, Specials	4.00 to 6.00	
" Extra	2.00 to 4.00	
" No. 1	1.00 to 2.00	
" No. 2 .....	.50	
Golden Gate	2.00 to 4.00	
Liberty	2.00 to 8.00	
Meteor	1.00 to 3.00	
Cattleyas	15.00 to 25.00	
Carnations, Common .....	.50 to .75	
" Selects	1.00 to 2.00	
" Fancies	2.00 to 3.00	
" Novelties	3.00 to 4.00	
Chrysanthemums	4.00 to 25.00	
Violets, Ordinary .....	.25 to .50	
Adiantum cuneatum .....	.25 to .50	
" Crowneum .....	.75 to 1.00	
Asparagus plumosus, Strings	35.00 to 50.00	
Dahlias .....	.50 to 1.00	
Lilium Harrisii	5.00 to 8.00	
Lily of the Valley	1.00 to 3.00	
Mignonette, Ordinary .....	.50 to 1.00	
Smilax	5.00 to 8.00	
Tuberose .....	.50 to 1.00	

No change for the better is yet noticed in the wholesale market. The supply is abundant and increasing. Saturday, with its constant downpour, forced prices to the bottom and the frosty, seasonable weather at the beginning of the week seems to have had little beneficial influence. It is generally conceded that no permanent improvement is to be expected for a couple of weeks yet.

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Author of "HOW TO MAKE MONEY GROWING VIOLETS."
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Southern Smilax, fresh stock, per 50-lb. case,
\$6.00; per 25-lb. case, \$3.50.
Green Sheet Moss, choice stock, \$2.50 per
barrel sack.
Sphagnum Moss, \$1.75 per large bale.
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Tel. 756 Madison Sq. J. A. MILLANG,
Manager.

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BROOKLYN STORE, 19 Boerum Place,
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Wholesale Cut Flower Prices.

Boston, Oct. 21.

	Per 100.
Beauties, Specials.....	\$25.00
Extra.....	20.00
No. 1.....	12.00 to 15.00
Shorts.....	4.00 to 10.00
Brides and Bridesmaids, Specials..	8.00
Extra.....	6.00
No. 1.....	3.00 to 4.00
No. 2.....	1.00 to 2.00
Kaiserin.....	2.00 to 8.00
Liberty.....	1.00 to 8.00
Meteor.....	2.00 to 8.00
Mrs. Morgan.....	2.00 to 6.00
Carnations, Common.....	1.00 to 2.00
Selects.....	3.00
Fancies.....	4.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, Strings.....	50.00
Sprays.....	1.00 to 2.00
Sprengerl. Sprays.....	2.00 to 4.00
Chrysanthemums, ordinary.....	4.00 to 12.00
Fancy.....	20.00
Gladiolus.....	4.00 to 5.00
Lilium Longiflorum.....	12.00
Lily of the Valley.....	2.00 to 5.00
Mignonette.....	1.00
Smilax.....	12.00
Tuberose.....	4.00
Violets, Ordinary.....	.35
Extra.....	.50
Galax.....	.15
Common Ferns.....	.10

Baltimore, Oct. 21.

	Per 100
Am. Beauty.....	\$10.00 to \$15.00
Shorts.....	3.00 to 8.00
Bride and Bridesmaid, No. 1.....	4.00 to 5.00
No. 2.....	3.00 to 4.00
Golden Gate.....	3.00 to 4.00
Liberty.....	4.00 to 6.00
Meteor.....	3.00 to 6.00
Perle.....	2.00 to 4.00
Cochet.....	2.00 to 3.00
Carnations, Commons.....	1.00 to 1.25
Selects.....	1.25 to 1.50
Asparagus plumosus, Sprays.....	1.50 to 2.00
Sprengerl. Sprays.....	1.50 to 2.00
Callas.....	6.00 to 8.00
Gladiolus.....	2.00 to 3.00
Lily of the Valley.....	2.00 to 3.00
Smilax.....	15.00 to 20.00

The weather continues fair, with light frosts. Dahlias, cosmos, etc., still in heavy supply. Chrysanthemums are increasing in supply, but so far quality is not of the best. Roses are improving. Trade is fair, but not rushing.

I do not want to miss seeing my old friend, the REVIEW, once a week.—S. S. PYLE, Toughkenamon, Pa.

It is like being out of the world to be without the REVIEW after one has been reading it for any length of time.—H. V. BETTS, Ormond, Fla.

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Fancy or Dagger, 75c per 1000. Contracts made to supply the year around. Use our Laurel Festooning. It's the best decorative material to be found, we make it fresh daily 4c. 5c and 6c per yd. Bargains in Galax, A No. 1 quality, Bronze or Green, 75c per 1000 in 10,000 lots. Mosses, &c. Send us your wants and be well satisfied.



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Wholesale Cut Flower Prices.

Chicago, Oct. 21.

	Per doz.
Beauties 36-inch stems.....	\$3.00
" 30 ".....	2.50
" 24 ".....	2.00
" 20 ".....	1.50
" 15 ".....	1.25
" 12 ".....	1.00
" Shorts.....	.75
Bridesmaids, Specials.....	Per 100
Firsts.....	\$4.00 to \$6.00
Brides, Specials.....	2.00 to 3.00
Firsts.....	4.00 to 5.00
Kaiserin.....	2.00 to 3.00
Liberty, Specials.....	3.00 to 10.00
Firsts.....	10.00 to 12.00
" Seconds.....	6.00 to 8.00
Golden Gate, Firsts.....	3.00 to 5.00
Seconds.....	4.00 to 6.00
Meteor, Firsts.....	2.00 to 3.00
Seconds.....	4.00 to 6.00
Mme. Chatenay, Firsts.....	2.00 to 3.00
Seconds.....	6.00 to 8.00
Carnot, Firsts.....	3.00 to 5.00
Seconds.....	4.00 to 6.00
Ivory, Firsts.....	6.00 to 10.00
Seconds.....	3.00 to 4.00
Sunrise, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Perles, Firsts.....	2.00 to 3.00
Seconds.....	4.00 to 5.00
Carnations, Fancy.....	2.00 to 3.00
Commons.....	1.50 to 2.50
Violets.....	.75 to 1.00
Chrysanthemums.....	\$1.00 to \$3.00 doz.
Easter lilies, \$2.00 doz.	
Dahlias.....	1.00 to 3.00
Valley.....	4.00 to 5.00
Tuberose.....	4.00 to 5.00
Adiantum cuneatum.....	.75 to 1.00
Asparagus plumosus, Strings.....	25.00 to 50.00
Sprays.....	2.00 to 3.00
Asparagus Sprengeri, Sprays.....	3.00 to 6.00
Smilax.....	\$1.25 to \$1.50 per doz.
Common ferns, per 1000.....	\$1.50
Galax Leaves, \$1.00 to \$1.50 per 1000	

Pittsburg, Oct. 21.

	Per 100
Beauties, Specials.....	\$20.00 to \$25.00
Extra.....	12.00 to 15.00
" No. 1.....	6.00 to 8.00
" Shorts.....	2.00 to 4.00
Brides and Maids, Specials.....	4.00 to 5.00
Extra.....	2.00 to 3.00
" No. 1.....	.50 to 1.00
" No. 2.....	1.00 to 3.00
Cusin.....	1.00 to 3.00
Golden Gate.....	1.00 to 3.00
Kaiserin.....	2.00 to 8.00
Liberty.....	2.00 to 6.00
Mrs. Morgan.....	1.00 to 3.00
Sunrise.....	1.00 to 2.00
Carnations, Common.....	1.00 to 1.25
Selects.....	1.25 to 2.00
Fancy.....	2.00 to 2.50
Adiantum Cuneatum.....	1.00
Asparagus plumosus, Strings.....	30.00 to 50.00
Sprengeri, Sprays.....	2.00 to 3.00
Asters.....	.50 to .75
Chrysanthemums, ordinary.....	3.00 to 6.00
fancy.....	8.00 to 20.00
Dahlias.....	1.00 to 1.25
Gladiolus.....	1.00 to 4.00
Lily of the Valley.....	3.00 to 4.00
Smilax.....	10.00 to 12.50
Sweet Peas.....	.75 to 1.00
Violets, ordinary.....	.10 to .15
Extra.....	.25 to .50

I wish to state that I am well pleased with Scott's Manual, which I got last year. It is very helpful. No florist should be without one. JOHN L. MEYER, Devon, Pa.

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All CUT FLOWERS in season. Send for Weekly Price List.

1,000,000 FANCY FERNS, \$1.00 per 1000. 200,000 Bronze GALAX,

\$1.00 per 1000 in 5000 lots; \$9.00 per case of 10,000.

26 Miami Ave., Detroit, Mich.

Wholesale Cut Flower Prices.

Detroit, Oct. 21.

	Per 100
Beauties, Specials.....	\$25.00
Extra.....	20.00
No. 1.....	15.00
Shorts.....	5.00 to 10.00
Brides and Maids, Specials.....	7.00
Extra.....	6.00
No. 1.....	5.00
No. 2.....	4.00
Cusin.....	4.00 to 6.00
Golden Gate.....	4.00 to 6.00
Kaiserin.....	4.00 to 8.00
Meteor.....	4.00 to 6.00
Mrs. Morgan.....	4.00 to 6.00
Perle.....	4.00 to 6.00
Oatleas.....	50.00
Cypripediums.....	25.00
Carnations, Common.....	1.00 to 2.00
Fancies.....	2.00 to 3.00
Adiantum Cuneatum.....	1.00
Farleyense.....	3.00 to 5.00
Asparagus plumosus, Strings.....	40.00 to 60.00
Sprays.....	2.00 to 6.00
Sprengerl, Sprays.....	2.00 to 6.00
Callas.....	12.50
Chrysanthemums, ordinary.....	4.00 to 8.00
fancy.....	10.00 to 25.00
Gladiol.....	2.00 to 3.00
Lilium Harrisii.....	12.50
Longiflorum.....	15.00
Lily of the Valley.....	4.00 to 5.00
Mignonette, ordinary.....	1.00 to 3.00
Smilax.....	12.50 to 15.00
Violets, ordinary.....	.25
Extra.....	.50
Galax.....	.10
Common Ferns.....	.10

Cincinnati, Oct. 21.

	Per 100
Beauties, Specials.....	\$25.00
Extra.....	15.00 to 20.00
No. 1.....	10.00 to 12.50
Shorts.....	4.00 to 6.00
Brides and Maids, Extra.....	0.00
No. 1.....	4.00 to 5.00
No. 2.....	2.00 to 3.00
Cusin.....	2.00 to 4.00
Golden Gates.....	2.00 to 6.00
Kaiserin.....	2.00 to 8.00
Liberty.....	2.00 to 8.00
Meteor.....	2.00 to 6.00
Perle.....	2.00 to 5.00
Sunrise.....	2.00 to 5.00
Carnations, Commons.....	.75 to 1.00
Selects.....	1.50 to 2.00
Fancies.....	2.50 to 3.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, strings.....	35.00 to 50.00
sprays.....	4.00 to 5.00
Sprengerl.....	3.00 to 4.00
Callas.....	8.00 to 10.00
Chrysanthemums, ordinary.....	4.00 to 10.00
fancy.....	12.50 to 20.00
Dahlias.....	2.00 to 4.00
Lily of the Valley.....	2.00 to 4.00
Smilax.....	12.50 to 15.00
Violets, ordinary.....	.35 to .50
Extra.....	.75

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Strong, 2 1/4 inch..... \$2.00 per 100; 3 u for \$3.00
Primroses—Chinese..... 2 1/4 inch, \$2.00 per 100
 Obconica..... 2 1/4 " 2.00 "
Obconica in flats ready to pot, \$1.50 a 100, by mail
C. WHITTON, City Street, Utica, N. Y.

Wholesale Cut Flower Prices.

St. Louis, Oct. 21.

	Per dozen
Beauties, Specials.....	\$2.50 to \$3.00
Extra.....	1.50 to 2.00
No. 1.....	.75 to 1.00
Shorts.....	.50 to .60
Brides and Maids, Specials.....	6.00 to 8.00
Extra.....	4.00 to 5.00
No. 1.....	2.00 to 3.00
Carnot.....	6.00 to 8.00
Golden Gate.....	5.00 to 6.00
Kaiserin.....	4.00 to 5.00
Liberty.....	3.00 to 4.00
Meteor.....	3.00 to 4.00
Perle.....	3.00 to 4.00
Sunrise.....	3.00 to 4.00
Carnations, Commons.....	.75 to 1.00
Selects.....	1.50 to 2.00
Fancies.....	2.00 to 2.50
Adiantum Cuneatum.....	1.00 to 1.25
Adiantum Farleyense.....	1.00 to 1.25
Asparagus plumosus, Strings.....	35.00 to 50.00
Sprays.....	1.00 to 1.50
Sprengerl.....	1.00 to 1.50
Chrysanthemums, Ordinary.....	4.00 to 6.00
Fancy.....	15.00 to 25.00
Lily of the Valley.....	4.00 to 5.00
Smilax.....	12.50 to 15.00
Tulips, Single.....	3.00 to 4.00
Violets, ordinary.....	.25 to .35
Galax.....	.15
Common Ferns.....	.15

Milwaukee, Oct. 21.

	Per 100
Beauties, Extra.....	\$15.00 to 18.00
No. 1.....	10.00 to 12.50
Shorts.....	4.00 to 5.00
Brides and Maids, Specials.....	6.00
Extra.....	5.00
No. 1.....	4.00
No. 2.....	2.00
Golden Gate.....	4.00 to 6.00
Kaiserin.....	4.00 to 6.00
Liberty.....	4.00 to 6.00
Meteor.....	4.00 to 6.00
Perle.....	3.00 to 5.00
Carnations, Selects.....	2.00 to 3.00
Fancies.....	2.00 to 3.00
Asparagus plumosus, Strings.....	50.00
Sprays.....	2.00 to 4.00
Sprengerl.....	2.00 to 4.00
Chrysanthemums, Ordinary.....	4.00 to 8.00
Fancy.....	12.50 to 25.00
Dahlias.....	1.00
Daisies.....	.50
Lily of the Valley.....	5.00
Smilax.....	12.50
Violets ordinary.....	.50
extra.....	1.00
Common Ferns.....	.20

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Asparagus Plumosus Nanus, strong, 2 1/4-inch,
\$3.00 per 100; \$25.00 per 1000.

Asparagus Sprengerl, 15.00 a 1000.

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Tel. 192 Riverside,

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Out-of-town orders of all kinds given careful and prompt attention.
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311 BUTTER ST., SAN FRANCISCO, CAL.

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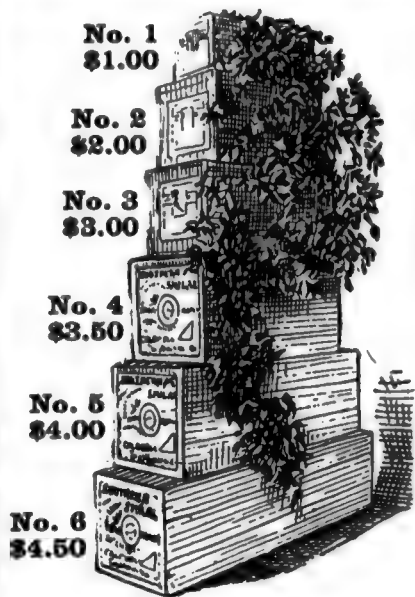
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Caldwell's Quality Brands
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J. M. McCULLOUGH'S SONS,
Cincinnati, Ohio.

A full supply always on hand at these
points and prices same as ours -- plus cost
of carriage.

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EVERGREEN, ALABAMA.

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WILD SMILAX. ORDER DIRECT FROM HEADQUARTERS.

We carry the finest and most complete stock of **FLORISTS' HARDY SUPPLIES.**
Dagger and Fancy Ferns, A-No. 1 quality, \$1.00 per 1000. **Bronze and Green**
Galax, A-No. 1 stock, \$1.00 per 1000. **Southern Wild Smilax,** 50-lb. case, \$7.00;
25-lb. case, \$3.50. **Laurel Festooning,** good and full, 5c and 6c per yard. **Green**
Moss, \$1.00 per bbl.; 75c per bag. **Sphagnum Moss,** \$1.00 per bbl.; 50c per bag.
Leucothoe Sprays, \$1.00 per 100. Orders by mail, telegram or telephone will
receive our prompt and personal attention. Long Distance Telephone 2618 Main.

HENRY M. ROBINSON & CO., 11 Province St., BOSTON, MASS.

100,000 SMALL FERNS.

Best commercial varieties, in 2½-inch
pots, \$3.00 per 100; \$25.00 per 1000.

NEPHROLEPIS PIERSONI, strong plants 2½-inch pots, \$3.00 per doz.; \$22.00 per 100
NEPHROLEPIS ANNA FOSTER, strong plants, 2½-inch pots, 75c per doz.; \$6.00 per 100

PRIMROSES.

OBCONICA GRANDIFLORA, ALBA,

ROSEA, FIMBRIATA, \$3.00 per 100; \$25.00 per 1000
Cash.

OECHSLIN BROS., 1688 W. Madison St., Chicago.

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RETAIL FLORISTS.

(CONTINUED.)

U. J. VIRGIN,

838
Canal Street,

NEW ORLEANS, LA.

S. B. Stewart,

119
No. 16th Street,

OMAHA, NEB.

Two years ago we wrote you to dis-
continue the REVIEW until such time as
McKinley's prosperity should strike the
south, and as it has reached our corner
now, we hasten to renew our subscrip-
tion to your valued paper.—A. A.
PANTET & Co., Fort Smith, Ark.

I HAVE sold out of carnation plants.
The REVIEW is a wonder-worker. It
reaches everybody and it induces them to
buy. It has brought me orders from the
Atlantic seaboard and all through the
western states, and everyone says, "Saw
it in the REVIEW," as if that in itself
were a guarantee.—ALFRED B. EVERETT,
Chicago.

CLEVELAND.

The Market.

The early part of the week favored
us with very fine weather followed on
Saturday by a cold wave, but no frost
as yet, so the cut of dahlias and cosmos,
with a few late gladioli, is still suffi-
cient for all purposes. Roses and carna-
tions can be had in quantities to fill all
orders and white and light pink chrys-
anthemums are seen in all the store win-
dows, also a few yellow. Prices are
still at summer's low water-mark, and
good mums can be had at from 6 to
15 cents each.

Notes.

Chas. Brown, of Canton, and W. F.
Kasting, of Buffalo, were here with the
Knights Templars at the conclave.

Fred Witthuhn has been very busy
the past week with funeral work and re-
ports a very good business for the sum-
mer months. He is growing a bench of
very fine Boston ferns and has reason
to be proud of them.

Henry Piggott says that business at
the new store is far beyond his expec-
tations. He is sending some very nice

mums and carnations to the F. R. Wil-
liams Co.

A new retail store will soon be opened
on Broadway. E.

RANDOM NOTES.

TITUSVILLE, PA.—Thomas Murdoch re-
ports a busy season. He makes a spe-
cialty of outdoor work and has a big
patronage among the secret orders.
William Bay has a snug place and all
the business he can take care of in
design work. He has a good cut-flower
and plant trade. L. J. Rowe is the latest
addition to the trade, having embarked
in the business here about two years ago
and built up a complete range of glass.
Everything is up to date, stock in excel-
lent shape, bright prospects for future
business.

NEW CASTLE, PA.—Fischer & Sons re-
moved their greenhouse plant during the
summer and are busy getting in shape
for fall business, quite a task for
one year, but they did it well. Butz
Bros. are busy getting in fall stock.
They are strong on Asparagus plumosus
in 4-inch pots. This size is rather scarce
in the market just now. J. J. Beck re-
cently entered the ranks as a profes-
sional, having formerly raised a few
flowers for pleasure, being one of the
largest market gardeners in the county.
Carnations were first experimented with,
then roses. Both were very satisfactory.
This year about 25,000 feet of glass is
being devoted to cut flowers. I noticed
a pink pompon dahlia flowering in the
house, quite a novelty. It will be kent
through the winter and will doubtless be
a profitable flower, grown in a cool house.
Lettuce is raised in large quantities, Big
Boston being considered the best variety
for summer use, Grand Rapids Forcing
the best winter variety. Mr. Beck has a
retail store in town, which gives an out-
let for his varied lines.

YOUNGSTOWN, OHIO.—Walker & Mc-
Lean have made many changes in the
Hippard place. I found John Walker
busily engaged pipe fitting, finishing the
heating of a large range just rebuilt.
One would scarcely recognize the former
plant at Crab Creek. "It has kept us
hustling all summer," remarked Mr.
Walker. McLean's health gave way and
compelled him to seek the quiet rest ob-
tained in the City of Brotherly Love.
From last reports he was much improved
and expected to return within a few days
with lots of new ideas and with rejuve-
nated strength. I noticed a bed of the
pink dahlia seen at J. J. Beck's. It
promises to be a popular flower. Ex-
periments with solid beds look success-
ful. Roses, carried over, cut back and
tied down, are making strong breaks.
This method is far more successful than
the old bush style. Carnations planted
in May could not be better, speaking
well for early planting. M.

THROUGH the adv. in the REVIEW we
have sold all our field-grown carnation
plants.—BACKER & Co., Billerica, Mass.

PLEASE discontinue my advertisement
of field-grown carnations as I am get-
ting more orders than I can fill.—
HENRY BAER, Peoria, Ill.

I THINK it only right and just to en-
courage you in your work of editing the
best florists' paper in America, by say-
ing that if I could only afford one paper
it would be the REVIEW.—A. J. BOOTH-
MAN, Adams, Mass.

CLASSIFIED PLANT ADVERTISEMENTS.

Rates for advertisements under this head, 10 cents a line net, per insertion. New ads. and changes must reach us by Wednesday morning at latest to secure proper classification in issue of Thursday.

ABUTILONS.

Abutilons in variety, 40c doz., \$2.00 100.
R. Vincent, Jr. & Son, White Marsh, Md.

ACALYPHAS.

Acalypha Macafeeana, 40c doz., \$2.50 100.
R. Vincent, Jr. & Son, White Marsh, Md.

AGERATUMS.

Ageratums Stella Gurney and White, 40c doz., \$2.00 100.
R. Vincent, Jr. & Son, White Marsh, Md.

ALTERNANTHERAS.

Alternantheras, 7 varieties, \$2.00 100, \$17.50 1000.
R. Vincent, Jr. & Son, White Marsh, Md.

ALYSSUM.

Giant double sweet alyssum, strong rooted cuttings, \$1.00 per 100; 2-in. pots, \$2.00 per 100.
J. A. Keeney, Monongahela, Pa.

Sweet alyssum, double giant, from 2-inch pots, \$2.00 per 100. Cash with order.
J. G. Elsele, 20th and Ontario Sts., Phila.

Alyssum, double, 3-in., \$2.50 100. Cash.
Converse Greenhouses, Webster, Mass.

AMPELOPSIS.

Ampelopsis Veitchii, 1 to 3 ft., 2-yr., field, transplanted, strong, \$4.00 per 100, \$35.00 per 1000. Honeysuckle, Hall's Japan and Golden, layers, 1 to 2 ft., \$3.50 per 100, \$25.00 per 1000. Cash with order. Walter H. Harrison, 1726 Lindenwood St., Philadelphia, Pa.

Ampelopsis Veitchii, open ground, strictly first-class, 3 years old, twice transplanted, \$7.00 per 100. Sample of ten by mail, prepaid, \$1.00. Cash with order.
E. Ferrand & Son, 379 Vinewood Ave., Detroit, Mich.

100,000 Ampelopsis Veitchii, 1, 2 and 3 years old. Prices on application.
McColgan Bros., Red Bank, N. J.

Ampelopsis Veitchii, 2-yr., 10c; 2nd. size, 5c. Cash.
W. H. Salter, Rochester, N. Y.

ANEMONES.

Anemone Japonica, 10,000 Alba, \$5.00 100; \$45.00 1000. 10,000 Rubra, \$5.00 100; \$45.00 1000. 10,000 Whirlwind, \$5.00 100; \$45.00 1000. 3,000 Queen Charlotte, \$6.00 100; \$50.00 1000. Other perennials, phlox, achillea, iris, monarda, Hemerocallis flava, Clematis paniculata, etc. Write for prices on what you want.
Geo. J. Keller, Rochester, N. Y.

ANTIRRHINUMS.

1500 antirrhinums (snap dragon), large plants, mixed colors, per 100, \$5.00.
M. L. Tirrell, Randolph, Mass.

ARAUCARIAS.

ARAUCARIAS OUR SPECIALTY.

In. pots.	In. high.	Tiers.	Each.
5 1/2	13 to 16	3 to 4	.60
5 1/2	13 to 16	3 to 4 ex. broad	.75
6	16 to 20	4 to 5 80c, 90c, 1.00	

Godfrey Aschmann, 1012 Ontario St., Phila.

Araucaria excelsa, 2-in. pots, 2 tiers, \$16.00 100. A. imbricata, 2 1/2-in. pots, strong plants, \$10.00 100.

F. LUDEMANN, 3041 Baker St., San Francisco, Cal.

Araucaria excelsa compacta and glauca in all sizes. A postal for price list.
F. H. KRAMER, Washington, D. C.

ARBOR-VITÆ

American arbor-vitæ, fine stock, twice transplanted, 3 1/2 to 4 ft., \$15.00 per 100; \$120.00 per 1000. Packing charged at cost.
E. Ferrand & Son, 379 Vinewood Ave., Detroit, Mich.

ASPARAGUS.

Asparagus comorensis, extra strong, 3-in. pots, \$8.00 100. A. plumosus nanus, 3-in. pots, \$8.00 100; 4-in., \$12.00 100. A. Sprengerii, strong, field-grown, heavily rooted and well set with eyes, 4-in., 5-in. and 6-in. pots, \$3.00, \$5.00 and \$7.00 100. Well established plants from 2 1/2-in. pots, to be shifted to 4-in., \$4.00 100.

N. SMITH & SON, Adrian, Mich.

Plumosus nanus, 2 1/2-in. pots, \$3.50 per 100. Sprengerii, 2 1/2-in., ready for 3 1/2-in., \$2.00 per 100; \$17.50 per 1000.

JACKSON & PERKINS Co., Newark, New York.

Asparagus plumosus, fine strong plants, from 5-in. and 5 1/2-in. pots, \$15.00 per 100; 200 for \$25.00. 50 Sprengerii, 4-in. for \$3.00. Cash with order.
George Darsley, 176 Claremont Ave., Jersey City, N. J.

Asparagus Sprengerii, ready for 3-in., \$2.00 per 100; ready for 6-in. and 7-in., \$12.50 per 100.
W. W. Stertzing, Maplewood Sta., St. Louis, Mo.

Asparagus Sprengerii, 2-in., \$1.50 per 100, \$12.00 per 1000. Well grown stock; satisfaction guaranteed.
C. Winterich, Defiance, Ohio.

Asparagus Sprengerii, strong plants, 2 1/2-in., \$3.00; 3-in., \$4.00; 4-in., \$8.00; 5-in., \$15.00; 6-in., \$25.00 100. J. H. Bornhoeft, Tipton, Ind.

Asparagus plumosus, 2-in., \$5.00; 2 1/2-in., \$8.00. Sprengerii, 2-in., \$3.50; 3-in., \$5.00; 4-in., \$10.00 100. Geo. A. Kuhl, Pekin, Ill.

Asparagus Sprengerii, Strong 2-in., 2c. Cash. See our Boston fern and primula advs. for bargains.
Byer Bros., Chambersburg, Pa.

Asparagus comorensis, extra strong select stock, 3-in., \$10.00 100; 3 1/2-in., \$12.00 100.
F. Dorner & Sons Co., La Fayette, Ind.

Asparagus plumosus, Strong 4-in., stock, ready for 5-in., \$12.00 per 100. Cash with order.
F. A. Imobersteg, Toledo, Ohio.

Asparagus Sprengerii, from flats, \$1.00 100, \$6.00 1000; 2 1/2-in., \$1.50 100, \$12.50 1000.
S. Whitton, 15 Gray Ave., Utica, N. Y.

ASPARAGUS PLUMOSUS NANUS.
Cut strings, 50 cents each.
W. H. ELLIOTT, BRIGHTON, MASS.

Asparagus Sprengerii and plumosus, extra strong, 2-in., at \$2.00 and \$3.00 per 100.
WHITE'S CONSERVATORY, Sandusky, O.

Asparagus plumosus, strong plants, 3-in., \$5.00 per 100; 3 1/2-in., \$8.00 per 100.
Maurice J. Brinton, Christiana, Pa.

Asparagus plumosus nanus and Sprengerii, fine plants, 2 1/2-in., \$3.00; 3-in., \$4.00 and \$5.00.
Wm. Stuppe, Westbury Station, L. I., N. Y.

Asparagus plumosus nanus, 2 1/2-in., fine, \$4.00 100; 4-in. stock at \$8.00 100.
The McGregor Bros. Co., Springfield, O.

Asparagus plumosus, 2 1/2-in., \$3.50 100, \$30.00 1000; 3-in., \$7.00 100, \$65.00 1000.
S. S. Pennoek, 1012 Ludlow St., Philadelphia.

Asparagus plumosus, 3-in., 6c; 4-in., 12 1/2c; 6-in., fine, large plants, 25c.
Crown Point Floral Co., Crown Point, Ind.

Asparagus Sprengerii, 3-in. pots, good stock from frames, \$3.00 per 100.
P. J. AGNEW, Springfield, Ohio.

Asparagus Sprengerii, 2-inch pots, \$1.50 100. Plumosus, 2-inch, \$3.00 100.
Sherman Nursery Co., Charles City, Ia.

Asparagus Sprengerii and plumosus, extra strong, 2-in., \$3.00 1000.
C. BETSCHER, Canal Dover, O.

Asparagus Sprengerii, 2 1/2-in., \$2.00 100. Plumosus, \$2.50 100. Cash.
Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 4-in. pots, \$12.50 per 100. Cash with order.
H. H. BARROWS & SON, Whitman, Mass.

Asparagus Sprengerii, Feb. sown seed, 2-in. pots, \$2.00 100. Cash.
John Brod, Niles Center, Ill.

Plumosus nanus, 3-in., \$8.00 100. Sprengerii, 2 1/2-in., \$3.00 100.
L. H. Foster, Dorchester, Mass.

Asparagus Plumosus, extra strong, 3-in. pots, \$6.00 per 100.
P. B. Welch, 274 Old York Rd., Baltimore, Md.

Asparagus Sprengerii, 200 extra fine 4-in. at \$6.00 per 100.
S. N. Peck, 1707 Broadway, Toledo, O.

Asparagus plumosus, 2 1/2-in., \$3.50 per 100; \$30.00 per 1000. A. Schmitt, Glenville, O.

2000 Asparagus plumosus, 2 1/2-in. stock, \$4.00 per 100.
H. B. Campbell, Davenport, Ia.

Asparagus Sprengerii, 350 in 3 1/2-in., \$4.00 per 100.
Gellon & Wolf, Downers Grove, Ill.

Asparagus Sprengerii, 2 1/2-inch, \$3.00 per 100.
Storrs & Harrison Co., Painesville, O.

Asparagus plumosus, 2 1/2-inch, \$3.00 per 100.
Llewellyn, Florist, Olean, N. Y.

Asparagus plumosus, 4-in., \$8.00 per 100.
JAMES C. MURRAY, Peoria, Ill.

Asparagus Sprengerii, 2-in., \$1.50 100.
E. I. Rawlings, Quakertown, Pa.

Asparagus plumosus, all sizes.
A. S. MACBEAN, Lakewood, N. J.

AZALEAS.

Azalea Indica, shipments arriving in fine condition. We are offering only best American market varieties; no cheap assorted "case lots."
10 to 12-inch crowns \$35.00 per 100
12 to 14-inch crowns 45.00 per 100
14 to 16-inch crowns 55.00 per 100
Storrs & Harrison Co., Painesville, O.

Azalea indica, for Xmas forcing, pot-grown Deutsche Perle, Simon Mardner, Vervaekeana, also 10 to 15 more good varieties for Easter forcing, 40c, 50c, 75c, \$1.00 and more each. Cash.
Godfrey Aschmann, 1012 Ontario St., Phila.

BARGAIN PRICES.

BARGAIN PRICES.

Offer of flowering and decorative plants by Anton Schultheis, College Point, N. Y.

Prices given below include packing free of charge. All plants are shipped without pots unless otherwise ordered. Shipments are made by fast freight, if not specially directed, until frost sets in, when express is preferred. Write for my catalogue which contains conditions of sale, etc., of all plants. Cash must accompany all orders.

ARAUCARIA EXCELSA, very fine, from 6 and 6 1/2-in. pots, 6 tiers, \$18.00 and \$24.00 per doz.

FERNS for ferneries, fine assortment, \$4.00, \$5.00 per 100.

BOSTON FERNS from 6-in. pots, \$35.00 per 100.

ASPIDISTRA, green and variegated from 6 to 8-in. pots.

CAMELLIAS, well set with flowering buds, from 5 to 6-in. pots, in variety, \$6.00, \$12.00 per doz.

ERICA FRAGRANS, from 5 1/2-in. pots, well budded, fine shaped plants, \$6.00 per doz., \$45.00 per 100. One-year-old plants from 3 1/2-in. pots, \$10.00 per 100.

ERICA PERSOLUTA, rubra and alba, 2-year-old, from 5 1/2-in. pots, \$6.00 per doz., \$45.00 per 100; 1-year-old, \$10.00 per 100; also 1-year-old Erica rosea.

ERICA CUPRESSINA, from 4-in. pots, \$6.00 per doz., \$45.00 per 100.

ERICA REGERMINANS, well budded for Xmas, 1-year-old, \$8.00 per 100; 2-year-old from 5-in. pots, \$6.00 per doz., \$45.00 per 100.

ERICA WILMOREANA, 2-year-old, \$6.00 per doz., \$45.00 per 100; 1-year-old, \$10.00 per 100.

EPACRIS ALBA, very fine plants from 4-in. pots, well budded, \$25.00 per 100.

SMALL GENISTA, eastern varieties, from 3 1/2-in. pots, \$10.00 per 100.

SINGLE STEM RUBBERS at \$4.00, \$5.00 and \$6.00 per doz., very fine.

ANTON SCHULTHEIS, College Pt., L. I., N. Y.

BUSINESS BRINGERS—

Review
Classified Advs.

BAY TREES.

Bay Trees. Have just received a fine lot of standards and pyramids.

F. W. O. Schmits, Prince Bay, N. Y.

Among our specialties, bay trees, boxwood, palms, evergreens, etc.

BOBBINK & ATKINS, Rutherford, N. J.

BEGONIAS.

Rex begonia, a number of the best varieties, 2-in., \$4.00 100. Begonia aurea manicata, 2-in., \$4.00 100.

N. O. CASWELL, Delavan, Ill.

Rex begonia, 2 1/2 and 3-in., 3c. Double semperflorens, Triumph de Lorraine, strong, 2 1/2-in., 3c. H. Ernst & Son, Washington, Mo.

Begonia rubra, fine plants from 2 1/2-in. pots, ready for shifting, \$3.00 100.

The McGregor Bros. Co., Springfield, O.

Gloire de Lorraine begonia, strong, healthy plants, 2-in. pots, \$12.00 100.

Isaac H. Moss, Govanstown, Md.

Mammoth begonia, in flower, 4-in., \$8.00 100.
S. Whitton, 15 Gray Ave., Utica, N. Y.

Begonia de Lorraine, 2 1/2-in., \$15.00 100; \$140.00 1000. Julius Roehrs, Rutherford, N. J.

Begonia, 3-inch pots, \$5.00 100. Write.
Sherman Nursery Co., Charles City, Ia.

BERRIED PLANTS.

Jerusalem cherries, field-grown, well set with berries, for 5-in. pots, \$15.00 per 100.

A. Schmitt, Glenville, O.

Jerusalem cherries, dwarf, well-berried; 6-in. \$2.25 doz. Cash.
Converse Greenhouses, Webster, Mass.

Celestial peppers, 5-in. \$1.50 doz., \$12.00 100.
Oechsli Bros., 1688 W. Madison St., Chicago.

PLEASE MENTION THE REVIEW WHEN WRITING ANY OF THESE ADVERTISERS.

BOX WOOD.

Among our specialties, boxwood, bay trees, palms, evergreens, etc.
BOBBINK & ATKINS, Rutherford, N. J.

BULBS.

TULIPS.	100.	1000.
Belle Alliance, true sort, bright red.	\$1.75	\$16.00
Duchesse de Parme, orange brown.	.75	6.00
Duc Van Thol, scarlet, fine forcer.	1.25	10.00
Kelzerskroon, red and gold.	1.25	10.00
La Reine, white No. 1 stock.	.75	5.75
Pottebakker, scarlet.	1.25	11.00
Yellow Prince, forces well.	.90	8.00
a Candeur, dbl., white.	1.10	9.50
All other named sorts.		
Fixed single, early, extra.	.60	5.00
Fixed single, early, fancy grade.	.75	6.00
Fixed double, early, extra.	.75	6.00
Fixed double, early, fancy grade.	.85	7.00
NARCISSUS.		
Paper White grand., extra size.	1.00	9.00
Paper White grand., 13 cms.	.90	8.00
on Slon, dbl. nosed.	2.10	18.50
on Slon, XX 13 cms up.	1.50	13.00
Chinese Sacred, 30 bulbs.	\$1.50	\$35 100
Fixed single narcissus.	.90	8.00
Fixed dbl. narcissus, finest sorts.	1.25	10.00
Fixed Trumpets, finest sorts.	1.25	10.00
LILIES.		
Il. longflo., Japan, 5x7.	\$0.30	\$2.00 \$17.00
Il. longflo., Japan, 6x8.	.40	2.50 23.00
Il. longflo., Japan, 7x9.	.50	3.75 34.00
True multiflo., early, 10		
per cent advance over above.		
Long. gigan., scarce, 7x9.	.75	4.50 40.00
Long. candi., thick petaled.	.75	5.00
ROMAN HYACINTHS.		
White, 11x12.	.30	2.00 18.00
12x15.	.40	2.75 25.00
DUTCH HYACINTHS.		
Named, 12, 75c, 100, \$5.00.		
Forcing grd., 17 cms, sep. col.	.60	3.50 32.00
Fine grade, 15 cms., sep. col.	.40	2.75 26.00
Miniature Dutch, Roman.		
Separate colors or named.	.30	2.00 18.00
CROCUS, Sep., colors.	.05	.25 2.00
named	.10	.50 4.00
AMARYLLIS BELLADONNA.		
Fine forcer.	.60	5.00
For special prices address		
H. H. BERGER & CO., 47 Barclay St., N. Y.		

Bulbs. Blue and rose hyacinths, 11 to 12 cms., 2c each. Paper white narcissus, 12 to 13 cms., 75c per 100, \$6.00 per 1000. Freesias, French-grown, fine selected bulbs, 60c per 100, \$5.00 per 1000. I can still supply all the bulbs I offered Oct. 15, excepting La Reine and Cardinal Hat tulips, which are sold.
Frank Kadlac, 181 Johnston Ave., Chicago.

Lilies for fall planting. 1000.
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 100 Queen Louise.
 Best of stock, \$5.00 per 100.
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Choice California Privet, all 2-year, and well branched. 100. 1000. 2 to 3 feet.....\$2.75 \$24.00 1½ to 2 feet.....2.00 18.00 1 to 1½ feet.....1.50 12.00 3 to 3½ feet, extra fine.....4.00

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Marsh's pansy mixture for florists' trade packets, only 25c. Choice seed.

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500 No. 1 smilax in 2-in. pots. They are fine, strong plants, \$1.50 per 100. T. C. Breece, West Berlin, Ohio.

Smilax, 2½-in., strong, ready for planting. \$1.00 100; \$8.00 1000. Buckley Plant Co., Springfield, Ill.

Smilax, 2-in., extra strong, \$1.00 100. Cash. John Brod, Niles Center, Ill.

Well rooted field clumps, \$2.50 100. Nathan Smith & Son, Adrian, Mich.

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FROM OUR ENGLISH EXCHANGES.

The Gardeners' Chronicle.

In a paper on the art of table decoration, Owen Thomas, head gardener to the late Queen Victoria, says: "Among bulbs at different seasons of the year are to be found many of the most effective and beautiful subjects for this work, commencing with the snowdrop, grown in shallow pans mossed over, transferred from these when in bloom, and placed on small gold or silver or glass plates, and disposed artistically on the table. The crocuses are treated in the same way, rendering an agreeable and pleasant service. The hyacinth also, both the ordinary kinds and the Roman, may be used in pots, and when well grown and flowered make an effective arrangement; but too many of these must not be placed on the table, or the perfume in many cases will be objected to. Tulips in pots, especially the Darwin self-colored ones, the old English types including the Parrot, are par excellence the most effective subjects to use for this work. Indeed, some of the most effective tables I have ever had the pleasure of ornamenting have been decorated by tulips, especially the self-colored ones."

IT IS NOT only by hindering the loss of nitrogen that catch crops are useful, but they also increase the amount of humus in the soil. The function performed by humus was long misunderstood, but it is now known to be the soil's storehouse of nitrogen, and although not directly available to crops, it is rendered so by nitrification. Farmyard manure introduces into the soil these nitrifying organisms in large quantities, a quality not possessed by chemical fertilizers; a point of great importance, but which is sometimes overlooked.

NEW LILY OF THE VALLEY.—A Holland grower has a new form of lily of the valley which has been named *Convallaria majalis prolificans*. Where under ordinary circumstances there is a solitary flower-bell pendulous from a short stalk, there is in the prolific form a close cluster of flowers, of which the terminal one expands first, and the others in succession from above downwards, thus forming a cymose raceme.

A FIELD naturalist concludes, after years of observation, that the primrose refutes Darwin's theory that "every known heterostyled plant depends on insects for fertilization," and that "one form of primrose must unite with the other form to produce full fertility." The flowers which have the stigma at the mouth of the corolla are of the "long-styled" form, and are commonly called "pin-eyed," and those flowers which have the stigma half-way down the tube, and the anthers at the mouth are the "short-styled" form, and are commonly called "thrum-eyed." These different forms grow on different roots. On one root all the stigmas of the flowers will be of the "long-styled" form; on another root all will be of the "short-styled" form.

"MRS. MARSH" is a variety of *Papaver orientale* in which the petals have a white back ground, heavily striped with scarlet, and with a purple blotch near the base. It is one of the finest varieties in cultivation, has an erect habit, and bears the flowers on stiff stalks, thus rendering it an acquisition for the back rows of mixed borders.

THE HEIGHT OF A TREE.—Obtain a

right angle triangle of wood with the sloping limb about three feet in length, and with this instrument held with its base parallel with the horizon, take a sight along the sloping limb, directing the line of sight to the apex of the tree, and step backwards or forwards as may be necessary till the base and apex agree with those of the instrument. Put a peg in the ground at this point, and a measurement made thence to the foot of the tree will be equal to the height of the latter—four feet being added as the height of the observer's eye. Another method is to cut a stick three and one-half feet long, and insert it in the ground six inches so as to steady it. This must be done on a sunny day; measure the lengths cast by the shadows of tree and stick, and then ascertain the number of times the stick-shadow goes into the tree-shadow, and the result is the height in yards and fractions of a yard.

INSECTICIDES AND FUNGICIDES.

The following list of the principal insecticides and fungicides and notes as to their uses has been prepared by H. A. Ballou, entomologist on the staff of the Imperial Department of Agriculture for the West Indies:

Paris green, London purple and arsenate of lead, which are known as "stomach poisons," are adapted for use against such insects as are able to bite off portions of their food and swallow the fine particles. Any poison which may be applied to such food would therefore be swallowed and have an opportunity of acting upon the insect.

These poisons would have no effect upon sucking insects, which merely penetrate the tissues of the plant or animal on which they feed, and suck out the juices from within. In dealing with them a "contact poison" must be used, such as soap solution, whale-oil soap, kerosene oil and kerosene emulsion. Tobacco, hellebore and pyrethrum may also be included in this list. These contact poisons all act in the same general way, that is, by stopping up the breathing pores in the sides of the insect's body and thus causing suffocation. Carbon bisulphide and potassium cyanide are

used against those insects that are difficult to reach with either stomach or contact poisons, such as borers, ants, underground insects, insects in houses, insects in grain bins, etc. These two insecticides are, however, poisonous, and their use, except by an expert or one well acquainted with them, is attended with considerable danger. Hellebore, pyrethrum, tobacco, lime and sulphur all have their uses both as contact and stomach poisons, but more especially as contact poisons for use against soft-bodied insects, such as grubs, sun-fly larvæ, fleas, plant lice, etc. Of these, pyrethrum and tobacco are probably the most valuable.

Lime, sulphuric acid and copper compounds are the principal materials used as fungicides. The combination most generally employed is a mixture of lime and copper sulphate, known as Bordeaux mixture. The ammoniacal solution of copper carbonate is also well known as a fungicide. With the Bordeaux mixture any of the arsenical poisons may also be used, in which case one spraying will serve to destroy both insects and fungi. With the ammoniacal solution of copper carbonate, however, only the arsenate of lead should be used, since the ammonia has the effect of rendering the arsenic in Paris green or London purple more soluble, and the arsenic will be liable to cause the burning of the foliage of the plants.

The Bureau of Chemistry of the United States Department of Agriculture has recently issued a bulletin (No. 68) giving analyses of a large number of the insecticides and fungicides offered for sale in America. These analyses show that great variation occurs in the composition of even such standard materials as Paris green and London purple. Bordeaux mixture can be purchased in the form of a dry powder. It is, however, better to prepare it as required, since chemical changes are likely to take place between the lime and copper sulphate.

I COULD NOT get along without your valuable paper. I have read all the florists' magazines and I must say yours excels them all.—P. W. HENNESSY, Joplin, Mo.

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Acanthophaenix	Bay Trees	Cytisus	Hardy Perennials	Mimulus	Sedum
Acer japonicum	Bedding Plants	Dahlia	Hardy Shrubs	Moon Flower	Seed Sowing
Achillea	Begonia	Decorations	Heating	Mulching	Selaginella
Achimenes	Bellis	Decorative Pl'ts	Hedera (Ivy)	Musa	Shading
Acrophyllyum	Bottom Heat	Deutzia	Hedge Plants	Myosotis	Skimmia japon'a
Adiantum	Bougainvillea	Dianthus	Heliotrope	Nepenthes	Smilax
Agapanthus	Bouvardia	Dracaena	Hibiscus	Nierembergia	Soils
Agave	Bromeliads	Drainage	Hollyhock	Oleander	Solanum
Ageratum	Browallia	Easter Plants	Hotbeds	Orchids	Stephanotis
Allamanda	Bulbs	Epacris	Hoya	Othonna	Stevia
Alocasia	Caladium	Erica	Hydrangea	Oxalis	Stocks
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Alternanthera	Calceolaria	Eucharis	Insecticides	Packing Plants	Swainsona
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Ampelopsis	Carludovica	Ferns	Kalmia	Pandanus	Thunbergia
Ananas	Carnation	Fertilizers	Koenigia	Panicum var.	Torenia
Annals	Celosia	Ficus	Lantana	Pansy	Tropaeolum
Anthericum	Centaurea	Fittonia	Lapageria	Pelargonium	Tuberose
Anthurium	Cheiranthus	Floral Arrange-	Lawns	Peperomia	Valotta
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ARECA LUTESCENS.				Per doz.	Per 100
6-inch pot, 3 plants,	20 to 24 inches high			\$9.00	\$75.00
6 " 8 "	24 to 30 "			12.00	100.00
8 " 8 "	30 to 36 "	bushy	\$2.50 each.	30.00	
8 " 8 "	36 to 42 "		8.00 "		
10 " 3 "	42 to 45 "		5.00 "		

My stock of this variety is very large, grown cool, clean and very healthy, and cannot fail to give satisfaction. All are grown three plants in a pot.

KENTIA BELMOREANA.				Per doz.	Per 100	Per 1000
2 1/2-inch pot, 3 to 4 leaves,	8 inches high			\$1.50	\$12.00	\$100.00
3 " 4 to 5 "	9 to 10 inches high			2.00	15.00	
3 " 4 to 5 "	10 to 12 "			3.00	20.00	
4 " 5 to 6 "	15 "			4.00	30.00	
4 " 5 to 6 "	18 "			5.00	40.00	
5 " 6 to 7 "	18 to 20 "			6.00	50.00	
5 " 6 to 7 "	20 "			9.00	70.00	
6 " 6 "	20 to 24 "			Each \$1.00	Per doz. \$12.00	
6 " 6 to 7 "	24 to 26 "			1.25	15.00	
6 " 6 to 7 "	26 to 30 "			1.50	18.00	

MADE UP PLANTS.				
7-inch pot, 3 plants in pot,	24 to 26 inches high			\$1.50 each

COCOS WEDDELIANA.				
2x3-inch pots, 7 to 10 inches high				\$10.00 Per 100
2x3-inch " 10 to 12 inches				15.00

KENTIA FORSTERIANA.				Per doz.	Per 100	Each	Per doz.
2 1/2-in. pot, 4 leaves,	8 to 10 in high			\$1.25	\$10.00		\$7.50
8 " 4 " 12 to 15 "				2.00	15.00		12.00
4 " 4 to 5 " 15 to 18 "				4.00	30.00		15.00
5-in. pot, 5 leaves,	18 to 20 in. high					\$1.65	\$12.00
6 " 5 to 6 " 28 to 30 "						1.00	12.00
6 " 6 " 30 to 32 "						1.25	15.00
6 " 6 " 32 to 36 "						1.50	18.00

MADE UP PLANTS.				
7-inch pot, 4 plants in pot,	32 inches high	Each	\$2.00	
8-inch pots, 4 plants in pot,	36 inches high	Each	\$2.50	

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White Fitzwygram, Yellow Fitzwygram, Opah, Willowbrook, Monrovia, Omega, Lady Harriet, Halliday & Pearson, at \$8.00 per 100.

Glory Pacific, Polly Rose, Ivory and Daiskov, at \$5.00 per 100.

FIELD-GROWN CARNATIONS.

300 Joost.....100, \$6.00	100 Norway...100, \$6.00
300 Glacier.... 5.00	100 Crocker... 5.00
100 M'n'g Glory " 6.00	300 Gaiety..... " 5.00
875 Alba..... 5.00	

ROSE PLANTS.

200 4-inch American Beauties.....	\$10.00 per 100
300 4-inch Meteors.....	7.00 per 100
50 4-inch Bridesmaids.....	7.00 per 100
200 2 1/2-inch Balduins.....	4.00 per 100
Boston Ferns—7-inch, \$1.00 each; 8-inch, \$1.25 each; 9-inch, \$1.50 each. CASH OR O. O. D.	

W. J. & M. S. VESEY, Ft. Wayne, Ind.

Field-Grown

Carnation ...Plants

	Per 100	Per 1000
12,000 Joost,	\$3.00	\$25.00
15,000 Marquis	3.00	25.00

Pine strong, healthy plants.

GEO. REINBERG, CHICAGO.
(51) Wabash Avenue,

CARNATIONS

For next summer's flowers plant the

Lillian Pond,

by far the best white for summer and fall. Rooted cuttings ready November 1st.

\$5 per 100; \$40 per 1000

We are also booking orders for the following varieties:

Enchantress,	\$6 per 100; \$50 per 1000
The Queen, 5 " 40 "	
Prosperity, 3 " 25 "	
Lawson, 3 " 25 "	

SEND YOUR ORDER NOW AND GET EARLY DELIVERY

Larchmont Nurseries,

LARCHMONT, N. Y.

Mention Review when you write.

You will find **ALL** the **BEST** offers **ALL** the time **IN THE Review's Classified Advs.**

LINCOLN, ILL.

The greenhouse plant of W. H. Gullett & Sons is one of the largest establishments in the state outside of Chicago, and certainly the largest in central Illinois. The business was founded in 1865, by the senior member of the present firm, on a site one block north of the present location, on Logan street. At that time W. H. Gullett was engaged in the nursery business. He began with the erection of a small greenhouse, only 16x24 feet, in the fall of 1865. After two seasons this house was extended and made forty feet long, with a boiler room. In 1870 Mr. Gullett erected two greenhouses 11x75. These narrow and low-roofed houses were the style in use at that time for growing pot plants. They did service for a few years, but were replaced about 1880 or 1881 by two longer and wider houses. In 1879 Walter Bermingham, a florist who had learned his trade under the pioneer florist of this country, Peter Henderson, entered into a partnership under the firm name of Gullett & Bermingham. Mr. Bermingham withdrew from the firm in 1884, and accepted a position in the circuit clerk's office. In the same year Fred Gullett was admitted to a partnership, and continued in the business till February, 1889. At this time a new partnership was formed under the firm name of W. H. Gullett & Sons, the new members of the firm being C. E. Gullett and Wilbur J. Gullett. Contemporaneously with their association with the business the firm began the development of a wholesale trade in cut flowers. The firm erected its first modern rose house in 1889, following that by putting up a carnation house the next year. Since 1890 they have built new houses or remodeled old ones almost every year. This season they have built three iron-gutter rose and carnation houses. Most of their surplus product goes into the St. Louis market.

In the advertisement of R. Vincent, Jr. & Son, White Marsh, Md., page 859, issue for October 15, the prices were quoted per 100 and per 1,000, where it was apparent that per dozen and per 100 was intended.

THE REVIEW does the selling but it seems strange that this time most of the orders have come from the east and south.

—JOSEPH HEINL, Jacksonville, Ill.

THE AMERICAN

CARNATION

HOW TO GROW IT.
FULLY ILLUSTRATED.

By C. W. WARD.

A PRACTICAL work on Carnation growing: complete in every particular, including the full calendar of operations for the year, with chapters on Soils, Fertilizers, Insects, Diseases, Heating. Each and every phase of commercial Carnation culture treated clearly and comprehensively. The book contains 290 large pages, finely printed. It should be in the hands of every grower.

Sent carriage paid on receipt of \$3.50.

Florists' Publishing Company,
Caxton Bldg., Chicago.



Indianapolis!

The best bright pink carnation in sight....

To be Disseminated in 1904

We invite growers to come and see it growing. It will stand inspection. : : : : :

We have mailed descriptive circulars. If you did not receive one drop us a postal. : : : : :

January delivery all taken. Send in your orders at once for February delivery.
\$2.50 per doz.; \$12.00 per 100; \$100.00 per 1000.

Baur & Smith,

38th Street and Senate Ave.

Indianapolis, - - Indiana.

Mention the Review when you write.

STRONGLY ROOTED CARNATIONS -- Now Ready.

NOVELTIES of 1903

	100	1000
Harlowarden, crimson.....	\$5.00	\$45.00
Marshall Field, red and white variegated.....	5.00	45.00
Lillian Pond, white.....	6.00	55.00
Enchantress, light pink.....	6.00	55.00
President McKinley, pink.....	6.00	55.00
Success, pink.....	5.00	45.00
Adonis, rich scarlet.....	7.00	65.00
Mrs. Theodore Roosevelt, pink.....	6.00	55.00

INTRODUCTIONS, 1902

	100	1000
Cresbrook, light pink.....	\$2.50	\$20.00
Gov. Wolcott, white.....	3.40	30.00
Alba, white.....	3.40	30.00
J. H. Manley, scarlet.....	3.50	30.00
Apollo, brilliant scarlet.....	3.50	30.00
Gaiety, white striped scarlet.....	3.00	25.00
Stella, variegated white.....	3.00	25.00
Viola Allen, white.....	3.00	25.00

STANDARD VARIETIES

	100	1000
Norway, white.....	\$1.20	\$11.00
Prosperity, white overlaid with pink..	1.40	12.50
Estelle, scarlet.....	1.50	14.00
Mrs. Thos. Lawson, pink.....	1.40	12.50
Gov. Roosevelt crimson.....	1.20	11.00
G. H. Crane, scarlet.....	1.40	12.50
Flora Hill, white.....	1.20	11.00
Mermaid, salmon pink.....	1.20	11.00
Eldorado, white.....	1.20	11.00
Queen Louise, white.....	1.20	11.00
Chicot, white.....	1.20	11.00
Armazindy, variegated.....	1.20	11.00
Palmer, scarlet.....	1.50	14.00
America, scarlet.....	1.20	11.00

25 at 100 rate.
250 at 1000 rate.

CASH WITH ORDER.

The above prices are what the plants will cost you delivered.
We pay express charges and guarantee satisfaction.

LOOMIS FLORAL CO., LOOMIS, CAL.

Mention Review when you write.

For Sale

OR WILL TRADE
for Crotons or
Lycopodiums,

300 Mrs. E. A. Nelson Carnations,
second size, 8c; 500 Marquis, 5c,
field plants.

E. A. NELSON, INDIANAPOLIS, IND.

ARAUCARIA EXCELSA

2-inch pots, two tiers, \$16.00 per 100.

Araucaria Imbricata

2½-inch pots, strong plants, \$10 per 100.

F. LUDEMANN,

3041 Baker St., SAN FRANCISCO, CAL.

Mention The Review when you write.

BEGONIA

Gloire de Lorraine

Strong, healthy plants, in 2-inch pots.
\$12.00 per 100.

Hardy English Ivy,

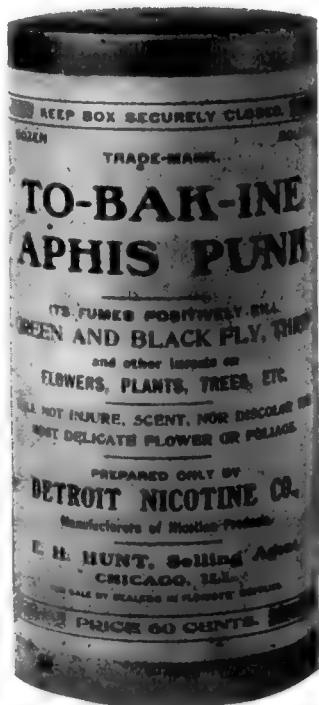
Strong, 3-inch pots, \$5.00 per 100:
\$40.00 per 1000.

I. H. MOSS, Govanstown,
Baltimore, Md.

Mention The Review when you write.

To-Bak-Ine Products

Are effective in destroying insects that infest greenhouse plants, palms, etc. They are **PURE NICOTINE** products, **CONTAINING NO AMMONIA**, **EASILY APPLIED** and do not **INJURE** nor **DISCOLOR** the most **DELICATE** flower or foliage.



BURLINGAME, CAL., Sept. 18, 1903.
E. H. HUNT, Florist,
Chicago, Ill.

Gentlemen:—We have given To-Bak-Ine (Aphis Punk) a fair trial and are more than pleased with the results.

To-Bak-Ine certainly does the work and in short order, too.
Yours truly,

E. W. McLELLAN.

TO-BAK-INE APHIS PUNK

Is an especially prepared paper thoroughly saturated with pure nicotine, making it the most powerful insecticide known. The ease with which it is used and the fact that it does not injure any flower or plant strongly recommends it.

1 box (12 rolls).....\$.60
1 box (144 rolls)... 6.50

DETROIT, MICH., Oct. 18, 1903.
DETROIT NICOTINE CO.

Dear Sir:—I have tried your To-Bak-Ine Liquid for spraying roses and can recommend same very highly. It is very effective where smoking cannot be done.

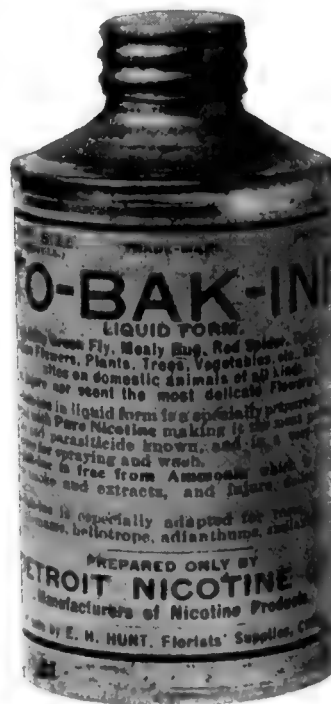
Yours truly,
GUST. H. TAEPEKE.

TO-BAK-INE LIQUID

Is a concentrated solution of pure nicotine adjusted by chemical assay. Freed from ammonia. For spraying or vaporizing it is unequalled, both as to effectiveness and economy.

Full description and directions found in our To-Bak-Ine booklet, sent free.

¼ pint can.....\$.60
½ pint can..... 1.10
1 pint can..... 2.00
1 gallon can.... 15.00



TO-BAK-INE Fumigating Powder

KILLS ALL KINDS OF APHIS.

"AN ARTICLE OF MERIT — UNIFORM IN STRENGTH."

Produces a slow fumigation which in some cases is very desirable. It is unlike any other powder in the market as it contains no sand, freed from all ammonia, and a definite amount of pure nicotine is added, making it uniform.

DIRECTIONS FOR A HOUSE 100x25 feet.

Use five lbs. of To-Bak-Ine Fumigating Powder, equally divided into five portions, and placed on fine wire cloth or tin plate plates. Pour a little kerosene around on thin edge of piles and then light; it will burn slowly without blazing. Note the fumes of nicotine. Best to fumigate in moist atmosphere.

NOTE — A standard 5-inch pot well filled holds just a pound.

50-lb. bag, \$1.50; 100-lb. bag, \$3.00.

CHICAGO, Sept. 30, 1903.
E. H. HUNT, Chicago, Ill.

Dear Sir:—We have made a thorough test of "To-Bak-Ine" and find it the best preventive as well as cure for green-fly that we have ever experimented with.

We are perfectly satisfied with "To-Bak-Ine" and will use it exclusively.

Yours truly,
BENTHEY & CO.,
By L. COATSWORTH.

PARK RIDGE, ILL., October 2, 1903.
MR. E. H. HUNT, Chicago, Ill.

Dear Sir:—I have used your To-Bak-Ine Aphis Punk and To-Bak-Ine Liquid and find that they do all that you claim for them. The punk is certainly very destructive to green-fly as the test that we have made has thoroughly demonstrated this to our satisfaction.

Yours very truly, EMIL BUETTNER.

**Note what
extensive
growers
say:**

NEW CASTLE, IND., October 1, 1903.
E. H. HUNT, Chicago.

Dear Sir:—The To-Bak-Ine Punk is all right. We will order some more of it as soon as we need it. It is the thing to use on teas.

Very respectfully,
HELLER BROS.

Send for Booklet containing directions and COST OF USING To-Bak-Ine Products.

Prepared only by **DETROIT NICOTINE CO.**, Manufacturers of Nicotine Products,
AND SOLD BY

E. H. HUNT, 76-78 Wabash Ave. **Chicago.**
Selling Agent,

THE EASTERN TRADE WILL BE SUPPLIED BY

Henry F. Michell Co., Philadelphia, Pa.

GLAZING.

I built a greenhouse last fall and the putty is nearly all off on the outside and much of it is out from under the glass on the inside. It dries and crumbles like marble dust. What is the matter with the putty, or would candle wick dipped in white lead be better?

J. H. H.

The putty was probably of a poor quality, either some adulterant having been substituted for whiting or some inferior oils had been used in its make-up. My plan is to get the best putty the local market affords; it need not necessarily be of the purest grade; then mix it with one-twelfth its part by weight of Atlantic white lead, and work in enough pure whiting to bring it back to the desired consistency. The white lead acts as a bond for the putty and also causes it to adhere better to both glass and wood. I do not approve of candle wick dipped in lead, as it becomes too hard for general greenhouse purposes; for ordinary skylights glazed with very heavy glass it is very useful, however.

HENRY W. GIBBONS.

SOCIETY OF AMERICAN FLORISTS.

Department of Plant Registration.

The Conard & Jones Company ask to withdraw the name Leo XIII, as applied to a new rose registered by them on July 30, 1903, and to substitute therefor that of Sir Thomas Lipton, it having been ascertained that a rose under the name of Leo XIII was already in existence at the time of registration. Any one knowing of any reason against the registration, as now applied for, under the name of Sir Thomas Lipton, will please notify promptly.

WM. J. STEWART, Sec'y.

FIRE INSURANCE.

ED. FLORISTS' REVIEW:—Is there a mutual fire insurance company in existence, operated on plans after the style of the Florists' Hail Association? We are asked one and one-half per cent, \$15 on \$1,000 insurance, on greenhouses heated by steam and hot water where the rate on dwellings is \$5 per \$1,000 of insurance. We do not see that the risk on such greenhouses, with a night man on duty, is so great as on dwellings heated by stoves and grates and lighted by lamps or gas.

WARRICK BROS.

TWO NEW
WHITE CARNATIONS
FOR 1904Lady Bountiful
and The Belle.

Strong and healthy growers. Earliest and most productive of all White Carnations. The two best commercial sorts.

\$12.00 per 100; \$100.00 per 1000.

2500 at \$95.00 per 1000; 5000 at \$90.00 per 1000

Asparagus Comorensis,

Extra strong select stock, 3-inch, \$10.00 per 100; 3½ inch, \$12.00 per 100.

F. DORNER & SONS CO.,
LA FAYETTE, IND.

Mention the Review when you write.

THESE ARE

Monrovia CHRYSANTHEMUMS.

Out Oct. 1st, and sold at from
\$3.00 to \$4.00 per doz., wholesale,
in Chicago for two weeks.

It is the best money making 'Mum in the market. Get your order in at once for stock plants and young plants for the coming season. Propagate early, plant early and you will have early 'Mums, but above all, get the best early Chrysanthemum there is. Stock plants 15c each, \$1.50 per doz. Young plants \$3.00 per 100, delivery January to April.

Stock plants of other early varieties ready, such as Robt. Halliday, Willowbrook, White Pacific (same as Estelle), Pacific, Kalb, J. K. Shaw, etc., 10c each, \$1.00 per doz.

Also, book orders for the **MARION BEAUTY** Carnation, the best and most profitable crimson carnation in existence. Come and see it growing and you will leave your order. It is the best seller and the best smeller of the thirty different varieties that I am growing. Rooted Cuttings, \$10.00 per 100.

GUNNAR TEILMANN, Marion, Ind.

Mention the Review when you write.

Heavy Rooted Carnations
NOW READY

White.	100	1000
Queen Louise.....	\$1.20	\$11.00
Flora Hill.....	1.20	11.00
Alba.....	3.40	30.00
Wolcott.....	3.40	30.00
Norway.....	1.20	11.00
White Cloud.....	1.20	11.00
Pink and Shades.		
Lawson.....	\$1.40	\$12.50
Marquis.....	1.20	11.00
Mermaid.....	1.20	11.00
Success.....	5.00	45.00
Scarlet.		
Crane.....	\$1.40	\$12.50
America.....	1.20	11.00

25 at 100 rate.

Scarlet.	100	1000
Mrs. P. Palmer.....	\$1.50	\$14.00
Apollo.....	3.50	30.00
Estelle.....	1.50	14.00
Crimson.		
Harlowarden.....	\$5.00	\$45.00
Gov. Roosevelt.....	1.20	11.00
Gen. Gomez.....	1.20	11.00
Harry Penn.....	3.00	25.00
Yellow.		
Eldorado.....	\$1.20	\$11.00
Variegated.		
Stella.....	\$3.00	\$25.00
Armazindy.....	1.20	11.00

250 at 1000 rate.

Express prepaid to your city at above prices. Spot Cash, no discount.

California Carnation Co., L. Box 103, Loomis, Cal.
Mention Review when you write.

FERNS for SALE.

20,000 Ferns, 2 and 2½-inch pots.
\$3.00 per 100; \$25.00 per 1000.

BOSTON FERNS, 5 and 6-inch pots; prices on application.

P. R. QUINLAN & CO., SYRACUSE, N. Y.
Mention Review when you write.

Finest lot of pot-grown

.BOSTONS.

in the west; all sizes. Write

GEO. A. KUHL, PEKIN, ILL.
Mention the Review when you write.

A CHOICE LOT OF

Boston Ferns

In 5 and 6-inch pots, 25c each

Wagner Park Conservatories,
SIDNEY, OHIO.

Mention the Review when you write.

Carnation
FOR SALE ..Plants

Extra Strong Field-Grown for immediate delivery:

400 Elm City—White.....\$6.00 per 100
1000 McGowan... } Extra strong and well budded.
2000 Elm City... } Prices on application.
1000 Scott..... }

FRANK H. KIMBERLY,
NEW HAVEN, CONN.

WE MUST HAVE ROOM.

Double Alyssum 3-in., \$2.50 per 100. Hydrangeas, field-grown, 8 to 12 flowering shoots, \$15.00 per 100. Jerusalem Cherries, dwarf, bushy, well berried, 6-in pots, \$2.25 per doz. 500 Wm. Scott Carnation Plants, from field, make me an offer for the lot; or \$3.50 per 100. Boston Ferns, very bushy, 5 in. pots, \$2.50 per doz.; 6-in., \$4.00 per doz. English Ivy, field-grown, \$4.00 per 100. Violets field-grown, large plants, California \$1.00; Campbell \$3.00 per 100. Cash please.

Converse Greenhouses, Webster, Mass.

Always Mention the...

Florists' Review

When Writing Advertisers

CHRISTMAS BELLS.



Plushine Bell.

6-inch.....\$0.75 each
8-inch..... 1.25 each
10-inch..... 2.00 each
12-inch..... 2.50 each



Folding Bell Closed.

6-inch.....\$1.60 per doz.
9-inch..... 3.50 per doz.
12-inch..... 6.50 per doz.



Folding Bell Open.



Immortelle Bell Single.

5-inch.....\$ 5.00 per doz.
6 1/8-inch..... 7.00 per doz.
8 3/8-inch..... 11.00 per doz.



Immortelle Chimes.

Size 18-inch.....\$1.75 each
Size 27-inch..... 3.75 each



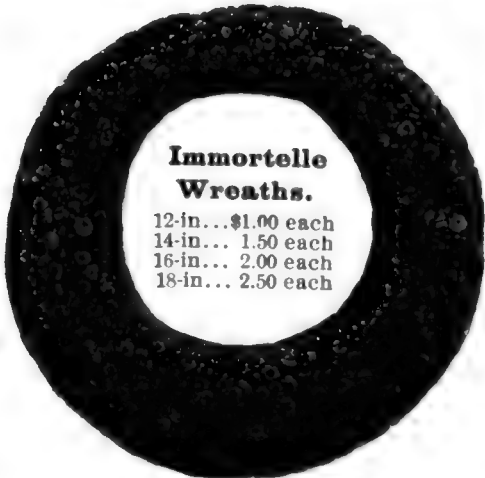
Immortelle Bell Double.

8-inch.....\$0.75 each
9-inch..... 1.00 each
10-inch..... 1.50 each



Crepe Bell.

8-inch.....35c



Immortelle Wreaths.

12-in...\$1.00 each
14-in... 1.50 each
16-in... 2.00 each
18-in... 2.50 each



Crepe Bell Twist.

8-inch.....45c

Reed & Keller, ¹²²West 25th St., New York.



BARGAINS IN PALMS

We have a quantity of large and medium sized stock for decorative purposes. Must have room.

LET US MAKE YOU PRICES.

C. C. POLLWORTH CO., MILWAUKEE, WIS.

Mention the Review when you write.

PITTSBURG.

The Market.

The market is still loaded down with large quantities of dahlias, cosmos, hardy chrysanthemums and gladioli. This has quite a bad effect on the sale of roses, and particularly on chrysanthemums. At this writing (Monday), one can buy chrysanthemums of the best quality at \$6 and \$8 per 100, and if wanted in quantity they can be had for much less. The average price on Pacific and Bergmann is \$4 per 100. Roses are plentiful, but the good grades sell readily. Carnations are in fine condition and they are producing good flowers. Lawson is short-stemmed, but fine, big blooms. Enchantress is a winner and sells well. In white the same conditions exist as last season—a shortage. The market price on cosmos, if bought in quantity, is 10 cents per bunch. One grower said, this pays for bunching and the string. Asters of the Semple type are still in evidence. Smilax is a glut.

It appears as if all growers have double the amount of Glory of Pacific mums this season. The result is very noticeable. The wholesale houses are all overstocked on this variety, while the white varieties are scarce.

Notes.

Loew & Jones were busy with funeral work last Thursday. They made up fifteen designs which aggregated in value \$250. The emblems were all sent to Niles, Ohio.

At the next meeting of the Florists' Club, November 3, chrysanthemums will be discussed. All members are asked to bring specimen blooms.

Randolph & McClements have a house of small ferns for dishes which are worthy of mention.

Geddis & Blind will open their new store at 30 Fifth street, October 31.

Another new wrinkle in the way of a commission man in this market. He carries his office in his hat and his store under his arm. Every day except Monday a messenger makes his calls among the stores with his box of valley, carnations and violets, which are offered at low prices. He hails from the east.

Recent visitors: J. E. Bonsall, Salem, Ohio; B. Stahl, Philadelphia; Mr. and Mrs. Gust. A. Geng, Youngstown, O.; Chas. Lindacher, Canton, Ohio, and just returning from Europe.

Hoo-Hoo.

Winter Flowering Roses.

Fine healthy stock from selected cuttings. Sunrise, American Beauty, La France, 3-in pots, \$7.00 per 100.

Brides, Maids, Golden Gates, Meteors, Safrano, Bon Silene, Mme. Hoste, Papa Gontier, 3-in. pots, \$5.00 per 100.

GRAFTED ROSES. Fine bushy plants in 3½ and 4-in. pots.

Liberty, Ivory, \$15.00 per 100. Brides, Maids, Golden Gates, Kaiserin, \$12.00 per 100.

J. L. DILLON, BLOOMSBURG, PA.

Mention Review when you write.

500,000 Herbaceous Plants

IN ALL THE LEADING VARIETIES at ridiculously Low Prices.

ASK FOR OUR SPECIAL OFFER.

BOBBINK & ATKINS, Rutherford, N. J.

Mention the Review when you write.

Primroses..

	Per 100
Chinese, single, mixed, 2¼-inch pots.....	\$2.00
Obconica, alba and rosea, 2¼-inch pots....	2.00
Asparagus Sprengeri, 2¼-inch pots.....	2.00
Plumosus.....	2.50
P. W. Narcissus, bulbs.....	1.00
Pansy Plants, \$3.00 per 1000.....	.50

CASH.

JOS. H. CUNNINGHAM
DELAWARE, OHIO.

Mention the Review when you write.

JOHN SCOTT,

Keep St. Greenhouses, Brooklyn, N. Y.

Headquarters Bostons

....for **Bostons**

Fine "PIERSONI" in 2¼-inch pots.

The Cottage Gardens' Collection of Cannas.

Grand stock. Send for particulars.

Mention Review when you write.

S. S. SKIDELSKY,

708 North 16th Street,

Philadelphia, Pa.

CORRESPONDENCE SOLICITED.

Mention the Review when you write.

Room is needed for the great importation of **AZALEAS, etc.** which I myself selected on my trip to Belgium and vicinity this summer and which is expected to arrive every day. Now is the time and the only time to buy your **ARAUCARIAS, PALMS, etc.** for your fall and winter trade while the prices are low and plants the best in the market. I now offer these plants at extremely low prices and where is the man who can beat such stock as I offer for little money.

ARAUCARIAS OUR SPECIALTY.

Araucarias, 5¼-in. pots, 3-4 tiers, 13-16 inches high 60c each.
Araucarias, 5¼-in. pots, 3-4 tiers, 13-16 inches high, extra fine, very broad, 75c each.
Araucarias, 6-in. pots, 4-5 tiers, 16-20 inches high, 80c, 90c and \$1.00 each.
Ficus Elastica (Rubber Plants), fine, strong plants, 4-in pots, 25c each; 6-in. pots, very fine, \$4.00-\$5.00 per doz.
Kentia Forsteriana, 5¼-in. pots, 36-42 inches high, clean plants, 75c-\$1.00 each.
Kentia Forsteriana and Belmoreana, 4-in. pots, fine, clean stock, \$15.00 per 100.
Areca Lutescens, 4-in. pots, \$10.00 per 100.
Cycas Revoluta (Sago Palm), perfect, 6-7-in. pots, 4, 5, 6, 7, 8 leaves to the plant, only 9c per leaf.
Boston Ferns, 6-inch pots 40c-50c each.
Primula Chinensis, for Xmas blooming, all colors, 4-in pots, \$6.00-\$7.00 per 100.
Ferns (for fern dishes), 2¼-in. pots, finest varieties only, \$1.00 per 100, worth \$5.00.
Cineraria Hybrida (Micheli's finest strain), 2-in. pots, \$3.00 per 100.
Vinca Variegata and English Ivies (field-grow), strong, bushy plants, only \$5.00 per 100.
Azalea Indica, for Xmas forcing, pot-grown, Deutsche Perle, Simon Mardner, Vervaekeana, also from 10-16 more good varieties for Easter forcing, at 40c, 50c, 75c and \$1.00 and more each.
Cash with order please. Plants are shipped at purchaser's risk. Please state if pots are wanted.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants,
1012 Ontario St., PHILADELPHIA, Pa.
Bell Phone Tioga 3669 A.

Mention the Review when you write.

GROWERS ALL OVER THE COUNTRY WRITE SIMILAR LETTERS

OSSINING, N. Y.
I have used your FUMIGATING POWDER for some years and I have always found it first-class; there is no danger of it killing anything except the green fly, which it does with dispatch. I never use anything else for insecticide, nor do I wish anything better.
Yours truly,
C. BARSON.

BATH, ME.
We use your Fumigating Powder and we are never troubled with aphids; it does not harm the blooms in the least, and we find it the cheapest way to fumigate—and we have tried everything that is on the market.
Yours truly,
JOHN H. RAMSEY & Co.

NORTHAMPTON INSANE HOSPITAL, MASS.
After using your Fumigating Powder I must say that in fifteen years' experience with various methods of killing aphids, I find this the most effectual and economical method I have yet tried.
Yours respectfully,
GEORGE W. THORNILY.

BAYSIDE, N. Y.
I have been using your Fumigating Powder for the last three years and find it very effective. It is cheaper than the extracts and does not shrivel the carnation as stems do. Smoking two nights in succession will kill the green fly.
Yours truly,
WM. BELL.

We will mail at your request our booklet telling about the FUMIGATING KIND TOBACCO POWDER. We guarantee satisfaction or money back. Free trial bags for the asking. THE H. A. STOOHOFF CO., Tobacco Powder Hobbyists, 118 West St., New York.

Mention the Review when you write

Geraniums, Etc.

From 2 1/4-inch pots. GOOD STOCK.
Not less than FIVE of any one variety sold.
Alternanthera, 7 varieties, \$2.00 per 100; \$17.50 per 1000. Per doz. Per 100
Abutilon in variety..... 40c \$2.00
Acalypha Macaefana..... 40c 2.50
Ageratum, Stella Gurney and white, 40c 2.00
Baby Primrose, "Primula Forbesii", 40c 2.00
Coleus, 10 varieties..... 40c 2.00
GERANIUMS, double, single and scented, in good variety, young, healthy stock..... 40c 2.00
Hardy English Ivy..... 2.00
Holt's Mammoth Sage..... 40c 2.10
Lemon Verbena..... 2.50
Lantanas, 10 varieties..... 40c 2.00
Parlor Ivy..... 40c 2.00
Pileogyne Suavis..... 50c 2.50
Strobilanthes Dyerianus..... 50c 2.50
Swainsona Alba..... 40c 3.00
Roses..... 40c 2.00
Tritoma Pfitzeri, 2 1/4-inch pots..... 75c 4.00
Uvaria, 2 1/4-inch pots..... 60c 2.50

Notice our Vegetable Plant advertisement in this issue. Cash with order please. Write for prices on large lots for future delivery. Send for Trade Price List.

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WHITE MARSH, MD.

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DESIRABLE STOCK TO PLANT AFTER EARLY 'MUMS.

Asparagus Comorensis—Extra strong 3-inch pot plants, now throwing heavy growths, \$3.00 per 100.
Asparagus Plumosus Nanus—Our plants are exceptionally fine this season. Buy now for fall and holiday sales. From 3-in. pots, strong, shapely plants, \$8.00 per 100; 4-in. pots, \$12.00 per 100.
Asparagus Sprengeri—Strong, field-grown plants, heavily rooted and well set with eyes. Far superior to pot plants. Nice clumps ready for 4-in., 5-in. and 6-in. pots, \$3.00, \$5.00 and \$7.00 per 100. Well established plants from 2 1/4-in. pots, should be shifted to 4-in. pots, \$1.00 per 100.
Carnation G. H. Crane—We have several hundred large bushy plants that have not been frosted. \$5.00 per 100.
Smilax—Well rooted field clumps, \$2.50 per 100.

Nathan Smith & Son, Adrian, Mich.

ARE YOU USING

The Model Extension
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If Not, Why Not? Over Three million in use

Our Catalogue can be had for the asking. It tells why you should use them.

The Parker-Bruen Man'g Co. Inc.,
206-8 Jersey St., HARRISON, N. J.

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Always Mention the...

Florists' Review

When Writing Advertisers.

Field Roses.

2 and 3 years old, strong, on own roots.

I—MONTHLIES—Agrippina Bridesmaid, Bon Silene, C. Souper, Cornelia Cook, Duchesse de Brabant, Golden Gate, Ivory, Isabella Sprunt, La France, Le Pactole, Mme. de Graw, P. Gontier, Pink Daily, Queen Scarlet, Safrano, The Bride.

II—HYBRIDS—Anne de Diesbach, Boule de Neige, Baron de Bonstetten, Capt. Christy, Coquette des Alps, Chas. Lefebvre, Cardinal Patrizzi, Countess of Oxford, Dr. Hogg, Empress of India, Eliza Boelle, Fisher Holmes, Gloire Margottin, Gloire Lyonnaise, Gypsy, John Hopper, La Reine, La Rosiere, M. P. Wilder, Marie Bauman, Mrs. John Laing.

III—MOSS ROSES—Capt. Ingram, Crimson Globe, Centifolio, Crested, Capt. Brassenger, Glory of Mosses, Blanche Moreau, Mousseline, Zenobia.

IV—CLIMBERS—A. Carriere, Baltimore Belle, C. Souper, Greville, Gem of the Prairie, Pride of Washington, Queen of the Prairie, Pride of the South, Martha Washington, Empress of China, W. A. Richardson, Pink and Yellow Rambiers, Mandas Wichuriana, etc.: As long as unsold at \$1.25 per doz.; \$9.00 per 100, in mixture. One year old, 1/2, and from 2 1/4-inch pots, 1/2 of price. Cash.

Decorative Foliage and Bedding Plants and Rooted Cuttings, also Cut Flowers.
N. STUDER, ANACOSTIA, D. C.

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75,000
Geranium Cuttings.

Our cuttings this fall are perfection. Order now and secure the best stock of the only ones to grow for profit. Jean Vliard (pink), S. A. Nutt (crimson), Alp. Ricard (scarlet), Mme. Buchner (white), Mrs. E. G. Hill, Beate Poitevine (salmons), all semi-double, strong rooted cuttings, \$1.25 per 100; \$12.00 per 1000.

Field Plants of the above varieties, 12 to 18 inches high, \$1.00 per 25; \$3.00 per 100.

Petunias—Double fringed, 12 varieties selected from Henderson's and Dreer's latests sets, including Snow Storm, strong rooted cuttings, \$1.00 per 100; \$9.00 per 1000.

Salvia—The two best, St. Louis and Bonfire, rooted cuttings, \$1.00 per 100; \$8.00 per 1000.

Smilax—Strong plants from 2 1/4-inch pots, \$1.00 per 100; \$8.00 per 1000. Samples gladly sent.

Carnations—Cut blooms of all the standard sorts. First quality, \$1.50 per 100; seconds, short stem for design work, \$1.00 per 100.

THE W. T. BUCKLEY PLANT CO.
SPRINGFIELD, ILL.

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CANNAS-CHEAP!

1200 fine clumps, 5 to 10 shoots. Poitevine, Chas. Henderson, Crozy and Florence Vaughan.

For sale to the highest bidder. Address

J. & W. LEACH, 1010 De Bevoise Ave.
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PANSY plants, giant mixed, per 100, 40c; per 1000, \$2.00. Rex Begonia, 2 1/4 and 3 inch, 3c. Begonia Double Semperflorens, Triumph de Lorraine, strong 2 1/4-in., 3c. Primula Chinensis, 2c. Obconica, 2c.

HENRY ERNST & SON, Washington, Mo.

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APHIS....PUNK

DEATH TO THRIPS

Green and Black Fly

and all Greenhouse Pests

Specially prepared paper thoroughly saturated with PURE NICOTINE

Can be EASILY used

POSITIVELY EFFECTIVE

FREE FROM AMMONIA

Will not injure any greenhouse plants.

1 Box (12 Rolls).....\$0.60
1 Case (12 Boxes)..... 6.50

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E. H. HUNT, 76-78 Wabash Ave., CHICAGO
Selling Agent.

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"Thripscide"

The best Greenhouse Fumigator and Preventive on the market, especially Thrips. 1 lb. can, 25c; 5-lb. can, \$1.00; 25-lb. box, \$4.50; 100-lb. box, \$16.50.

Sent to any address on receipt of price. Can be had from jobbers.

THE LILLY-LILLY CHEMICAL CO., Mfrs.,
96 Fifth Avenue, CHICAGO.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000...\$1.50; 50,000... \$6.25. Sample free.

For sale by dealers.

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Rustic Work
OF EVERY DESCRIPTION.

We are the largest manufacturers of rustic work in the United States. Special discount to the trade. Send for catalogue and prices. Special work made to order.

DUNNE & CO., 54 W. 30th St., New York.

Cyclamen gigan.—Large flowering, 3-in., ready for 4-in., \$5.00 per 100; 4-in., \$10.00 per 100; 5-in., well budded or in bloom, \$15.00 per 100.

Asparagus Sprengeri—From flats, \$1.00 per 100; \$6.00 per 1000. 2 1/4-inch, \$1.50 per 100; \$12.50 per 1000.

Primroses, Chinese and Obconica, 2 1/4-inch, 2.00 per 100; 3.00 for \$5.00; 3-inch, \$3.00 per 100; 4-inch, \$6.00 per 100.

Cinerarias—2 1/4-inch, \$2.00 per 100.

SAMUEL WHITTON, 15-17 Gray Ave., UTICA, N. Y.

Always mention the Florists' Review when writing advertisers.

MONTREAL.

The Market.

The general report on business is fairly good, but trade will not improve so long as the fine autumn weather lasts, as there are yet too many outdoor flowerers. The growers are cutting some fine Bergmann, Midge, Willowbrook and the good early Opah chrysanthemums. These are bringing from \$2 to \$3 a dozen retail. Roses are improving and are in fair supply. Carnations are good, but have short stems.

Notes.

The last meeting of our club was well attended. C. Wells was elected to membership. The exhibition of Opah chrysanthemums from Nathan Smith & Son, of Adrian, Mich., was a treat for those present. Jos. Bennett and Geo. Robinson judged the exhibit and reported favorably, giving Opah all its claims. The new canna, Express, was also shown, but it was bruised in transit. The Montreal Gardeners' and Florists' Club offers Smith & Son its sincere thanks and is hopeful of receiving another exhibit on November 11 and 12, the date of our chrysanthemum show.

W. Whilling read a very good essay upon rock work and at our next meeting we expect a paper by an expert on hardy ferns, Mr. Syrett. A. BEE.

OTTAWA, ONT.

This has been a season long to be remembered by all in this part of the country because of the very unusual weather conditions with which all crops have had to contend. There were two months without a shower, with which to begin the season; the first rain fell on Ascension day. Then came the proverbial forty days of downpour, and on top of that another forty days of heavy rains, all the way to September. However, since the first of September the weather has been all that could be wished for and the middle of October finds us with only slight damage done by frost. But last week saw the end of asters and sweet peas. Chrysanthemums are coming in good shape.

THE principal glass factories started up October 15 for the season's run.

FERNS.

BOSTON FERNS		PIERSONI FERNS	
2½-inch.....	\$5.00 per 100	2½-inch.....	35c each
".....	10.00	".....	50c at 30c
".....	15.00	".....	100c at 25c
".....	25.00	3-inch.....	at 50c
".....	40.00	".....	at 75c
".....	60.00	5 ".....	at \$1.00
8 ".....	\$1.00 to \$1.50 each	6 ".....	at 1.50
10 ".....	2.00 to 2.50	7 ".....	at 2.50
		8 ".....	at 3.00

Asparagus Plumosus, 2-in., \$5.00; 2½-in., \$8.00.
Asparagus Sprengeri, 2-in., \$3.50; 3-in., \$5.00;
4-in., \$10.00 per 100.

Order 2-in. Cinerarias, Chinese Primroses and Obconica. Cut Roses and Carnations. Only Mrs. Joost and Mrs. Fisher carnations left in field-grown plants. Write—

GEO. A. KUHLE, Pekin, Ill.

Mention the Review when you write.

Boston Ferns....

All Choice Stock. Well Grown.

150 in 3-inch pots.....	\$ 8.00 per 100
75 in 4-inch pots.....	15.00
75 in 5 inch pots.....	30.00
350 Asp. Sprengeri, 3½-inch pots.....	4.00

GELLON & WOLF, Downers Grove, Ill.

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AZALEA INDICA.

Shipments arriving in fine condition.

Are offering best American market varieties ONLY. No cheap, assorted case lots. 10 to 12-inch crowns, per 100, \$35.00
12 to 14-inch crowns, per 100, \$45.00; 14 to 16 inch crowns, per 100, 55.00

Adiantum Cuneatum.

2½-inch, \$2.50 per 100

Assorted Ferns.

For Dishes.
\$2.50 per 100

BOSTON FERN.

2½-inch, \$4.00 per 100

Asparagus Sprengeri.

2½-inch.....\$3.00 per 100

Primula Chinensis Fimbriata Alba.

\$2.50 per 100.

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Etc.

The STORRS & HARRISON CO., Painesville, O.

ASPARAGUS PLUMOSUS

.....NANUS

Large stock in fine condition.

2-inch.....	\$0.50 per doz.	\$3.50 per 100	\$30.00 per 1000
3-inch.....	1.00	8.00	70.00

BOSTON FERNS.

4-inch.....	\$2.00 per doz.	\$16.00 per 100	6-inch.....\$6.00 per doz.	\$50.00 per 100
5-inch.....	3.00	25.00	Larger sizes up to.....	5.00 each.

Send for complete illustrated price list, mailed free.

THE GEO. WITTBOLD CO., 1657 Buckingham Place, CHICAGO

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Kentia Belmoreana!

Pots.	Leaves.	Height.	Per 100	Per 1000
2½-in.....	4 to 5.....	18 to 20 in.....	\$10.00	\$ 85.00
3-in.....	4 to 6.....	20 to 24 in.....	15.00	115.00
4-in.....	.....	.....	20.00	160.00

Asparagus Plumosus.

2½-in. pots.....	\$3.50 per 100	\$30.00 per 1000
3-in. pots.....	7.00	65.00

BOSTON FERNS.

5-in. pots.....	\$25.00 per 100
6-in. pots.....	30.00
10-in. pans.....	1.00 each.

RUBBERS.

6-in. pots.....	\$10.00 per 100
6-in. branched.....	60.00

THESE PLANTS ARE OF EXCEPTIONAL VALUE.

SAMUEL S. PENNOCK,

1612 Ludlow St., Philadelphia.

ORCHIDS.

We offer a fine lot of Cattleya Dowiana in sheath and bud. Importations expected of Dendrobium nobile, D. densiflorum, Cypripedium insigne, C. hirsutissimum, Cattleya gigas and C. trianae.

Lager & Hurrell, Growers and Importers, Summit, N. J.

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SMILAX

5000 extra strong Smilax plants.	
2-inch, at.....	\$1.00 per 100
Asparagus Sprengeri—From February sown seed, 2-inch pots.....	2.00
1000 Norway Carnation Plants.	
to close out.....	3.50

JOHN BROD, - - Niles Center, Ill.

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Clematis, Hardy Shrubs
ROSES, Etc.

Buy now and get first choice of stock. Prices will be higher and stock not so select in the spring. If not planted now these hardy plants keep well trenced in the open ground, and will be ready in spring when wanted.

Clematis—Finest large-flowered sorts, purple, white, lavender, red, etc. 2-year 18c, 1-year 9c.

Clematis Paniculata—Extra fine, 11c, 2-year 6c, second size 4c.

Ampelopsis Veltheil—2-year, fine, 10c, second size 5c.

American Ivy—2-year, fine, 8c.

Iris Japanese—8c.

Roses—Assorted H. P. varieties—Coquette des Alps, Jules Margottin, Gen'l Jacqueminot, etc. Also Crimson and Yellow Rambler, Queen of Prairie, and the newer trailing roses. 2-year, first size 12c, second size 7c.

Clothilde Soupert—Finest pot rose grown 2-year 10c, second size 7c.

Crimson Rambler—XXX selected long canes for forcing, 2c.

Hydrangea Pan. Grand—Finest hardy shrub; bushy plants, 10c; fine tree-shaped specimens, very handsome, 25c.

Golden Glow—Most popular perennial, 5c.

Hardy Phlox—Choice varieties 10c.

Peonies—In fine assortment, 12c. Deutzias, including Lemolne and Gracilis, Altheas, Weigelas, Honeysuckles, Spiraeas, Japan Quince, etc.

Best sorts and sizes 10c. Also California Privet, Fruit and Ornamental Trees, etc. Careful attention to large or small orders, with expert packing, which is free, and light as consistent with safety. Cash, please.

W. H. SALTER, Rochester, N. Y.

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Maid, Brides, Meteors, Golden Gates, splendid 3-in. stuff, \$4.00 per 100; 200 for \$7.00; 1000 for \$32.50. Elegant plants, in finest possible condition to plant for winter bloom. 2½-in., \$2.50 per 100. **CARNATIONS**—Joost, Triumph, Bon Homme, Wm. Scott, very strong and branchy, \$5.00 per 100; \$15.00 per 1000. Stock absolutely certain to give entire satisfaction. 500 ft. 4-in. wrought iron hot water pipe, \$9.00 per 100. 500 ft. Hitches 4-in. hot water pipe, \$12.00 per 100.

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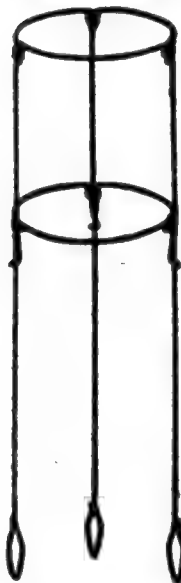
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Recording **T**hermometer
JUST THE THING
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THE HELIOS-UPTON CO.,
PEABODY, MASS.



...THE...
Model
EXTENSION
CARNATION SUPPORT.
ALSO GALVANIZED
STEEL ROSE STAKES.

Endorsed by all the leading
carnation growers as the
best support on the market.
Made with two or three circles.
Prompt shipment guaranteed
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THE STANDARD,
The lightest running,
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ful Ventilating Machine
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The DUPLEX GUTTERS,
Made of wrought or
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**The only DRIP PROOF
GUTTERS made.**
Send for catalogue—free.
E. HIPPARD,
Youngstown, OHIO.

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Pure Pulverized Sheep Manure
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for sale by the **BAG, TON OR CARLOAD.**
Send for sample and price list.
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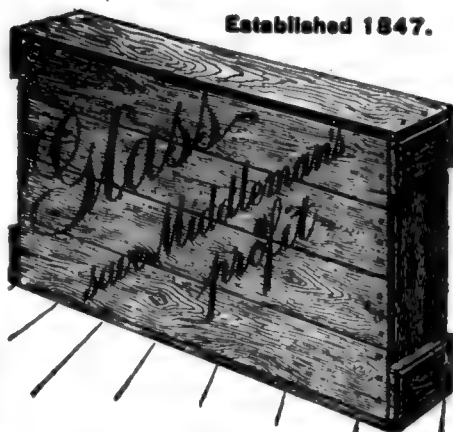
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Established 1847.

7-9-11 Laight St.

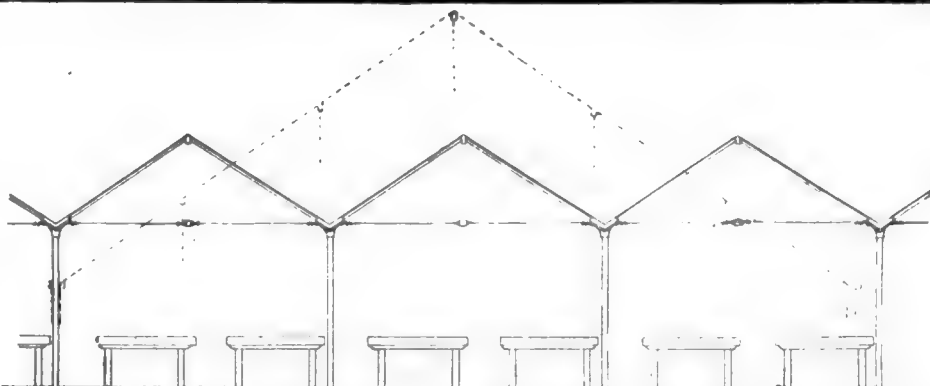
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Direct shipment from abroad.

Goods reach you duty paid. You just remove them from
the depot, the same as any other shipment.

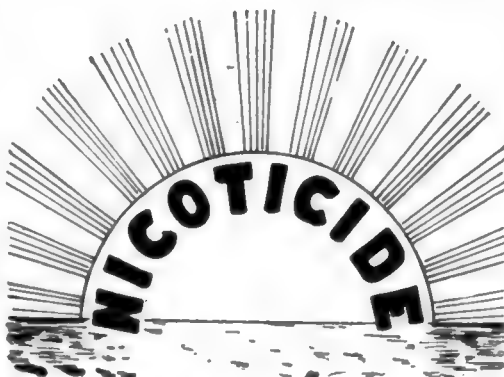


View of a piece of ground 40 ft. respectively 41 ft. 6 in. in width, covered by one roof (old style), and also by three
sections of our Patent "Short-Roof" Construction. Compare headroom over benches and number of supports.

SHORT-ROOF GREENHOUSES. (PATENTED.)
Simplicity and Safety of Construction. No Spreading of Walls. Most Effective and Reliable Ventilation.
Perfect Guttering. Note—The V Gutter, as well as the other parts of the houses, peculiar to this con-
struction, are fully covered by Letters Patent.

A. DIETSCH & CO., PATENTEES.
MANUFACTURERS OF
WASHINGTON RED CEDAR and LOUISIANA CYPRESS GREENHOUSE MATERIAL, HOTBED SASH and GREENHOUSE HARDWARE.
615-621 Sheffield Avenue, - - CHICAGO, ILL.

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SPRAY
COSTS PER GALLON
1 1/2 c.

Kills All Bugs

Tobacco Warehousing & Trading Company,
Louisville, Ky.

Aphis Punk. Paper Box of 12 rolls ... 60c
Wood Case of 12 boxes, \$6.50
Nikoteen Liquid. 1 pt. bottle pkd., \$1.50; case of
10 bottles pkd., \$13.00. Always on hand. Shipped
instantly. **U. CUTLER RYERSON,**
108 Third Avenue, -- NEWARK, N. J.
Mention the Review when you write.

CUT FLOWER BOXES.

WATERPROOF. Corner Lock Style.

The best, strongest and neatest folding
cut flower box ever made. **Cheap, durable.**
To try them once is to use them always.

Size	No. 0...	No. 1...	No. 2...	No. 3...	No. 4...	No. 5...	No. 6...	No. 7...	No. 8...	No. 9...	No. 10...	No. 11...
	3x4	3x4 1/2	3x6	4x8	3x6 1/2	4x8 1/2	4x8 1/2	6x16	3x7 1/2	5x10 1/2	7x20 1/2	3 1/2 x 5 1/2
	x20	x20	x18	x18	x14	x22	x22	x20	x21	x35	x20	x30
	\$2.00	\$2.00	\$2.00	\$2.50	\$2.75	\$3.00	\$3.75	\$5.50	\$3.00	\$6.50	\$7.50	\$3.00
per 100;	\$19.00	\$17.50	\$19.00	\$23.00	\$26.00	\$28.50	\$34.00	\$44.00	\$28.50	\$62.00	\$67.00	\$28.50
per 1000												

Sample free on application. No charge for print-
ing on orders above 250 boxes. Terms cash.

The Livingston Seed Co., Columbus, O.
Box 104.

New Through Sleeper to Los Angeles.
Via the Wabash.

The Wabash has inaugurated a line
of standard Pullman sleepers between
Chicago and Los Angeles, Cal., leaving
Chicago daily at 9:17 p. m. The car runs
via the Wabash to St. Louis, Iron Mount-
ain to Texarkana, T. & P. to El Paso and
thence Southern Pacific, arriving in Los
Angeles at 12:25 noon. For sleeping car
reservations, folders, etc., apply to your
nearest ticket agent, or to
F. A. Palmer, A. G. P. A., Chicago.

SAN FRANCISCO.

The Market.

Carnations are beginning to arrive in good quantities, for some of our growers are already cutting from their young stock. In scarlet varieties some very fine Estelle are shown and several large lots of Cressbrook are being displayed in some of our larger stores. Chrysanthemums are very plentiful, both those grown under glass and outdoors. Domoto Bros., the Japanese gardeners, forced about 30,000 this season. They are cutting some very fine Bonaffon at present. They sell at \$1.50 to \$2 per dozen wholesale. They have also a big stock of late whites in excellent shape. Most of the outside 'mums are grown by Chinese in the neighborhood of San Mateo and their stock, which is up to the usual requirements this season, can be bought at almost any price. We are having ideal weather at present, fairly warm days and long, cool nights. Violets are rather plentiful, but they are not of the first quality yet. We want considerable more damp weather before they will be really good. Roses are somewhat more plentiful and of fair color and stem throughout.

Notes.

Miss McNamara has sold out her store at the Narrow Gauge depot in Oakland.

Thos. Hooper, well-known as foreman for John H. Sievers & Co., has moved his family over to Elmhurst.

J. H. Gilmore, who had charge of the rose houses of E. B. & H. L. Stone Co., has left California and is at present in Florida.

Serveau Brothers report business away ahead of that of last year. This firm carries a very large stock of both ornamental plants and flowers.

We are in receipt of Volume VII of the Year Book of the American Park and Outdoor Art Association, containing a record of the proceedings at the Buffalo meeting, July 7 to 9, 1903.

SULPHO-TOBACCO SOAP

COMBINES THE STRONGEST

TOBACCO EXTRACT

with Sulphur and Alkali. Never fails to

KILL BUGS AND INSECTS

GREENHOUSE STOCK

kept healthy by using this popular Insecticide. Satisfaction guaranteed. Prices low. Write for sample cake.

Larkin Soap Co. BUFFALO, N.Y.

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Commercial Violet Culture.

BY B. T. GALLOWAY.

This is the Second Edition of this very successful book, revised and brought up to date.

Fully illustrated and handsomely printed.

Sent postpaid on receipt of \$1.50.

FLORISTS' PUBLISHING CO.

590 Caxton Building,
334 Dearborn St.,

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Pat'd
Mar. 26,
1901.

DREER'S
Peerless Glazing Point

(Improved Van Reyper Perfect)

has common sense features of practical value that appeal to practical florists and are possessed by no other point. The only double point with

BOTH BEVELS ON SAME SIDE.

A point made on any other principle will twist in driving and cramp or crack the glass. Dreyer's Peerless Glazing Points will never work out. Drives true and holds firmly by one blow of hammer or chisel. May be easily removed and used again in case of re-glazing. 1000 sufficient for 500 lights. Box of 1000 points 75c, postpaid. 5000 points by express for \$2.75.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

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Many Florists

have said that Dixon's Graphite Pipe Joint Compound saves them time, money and trouble. It is equally useful for steam or water joints. Before overhauling your pipes let us send you booklet.....

JOSEPH DIXON CRUCIBLE CO.
JERSEY CITY, N. J.

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Florists' Foil **AMERICAN BRAND**
PLAIN, EMBOSSED,
COLORED.

MANUFACTURED BY

Violet and Rose Foil a Specialty.

The John J. Crooké Co. 155 to 163 Ave. D, NEW YORK.
Established 1850. 149 Fulton St., CHICAGO.

LIGHTNING
FLOWER POT WASHER

Washes all sizes of pots, clean as new, about as fast as you can handle them. Strong plants are only grown in clean pots. Send for description.

Sold direct \$15.00
net, f. o. b. Joliet.

C. E. FINLEY, JOLIET, ILLINOIS.

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"IT BEATS THEM ALL."

"THE MODEL"
GLAZING POINT.

Pat. Nov. 26, 1902.

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Zinc. Practical. Durable.

By Mail, package of 1050 points, 45c.

Western Agent, Vaughan's Seed Store, Chicago.

THE PARKER-BRUEN MFG. CO.,
(Inc.) Mfg. Model Extension Carnation Support,
208-8 Jersey St., Harrison, N. J.

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AMERICAN FLOWER and TREE TUB.



Made from Everlasting CYPRESS

Various sizes, green or
natural finish. Castings
black.

Feet and bolts packed in
side tubs for shipment.

We also have the next
est Plant Stand on the
market.

Send for Catalogue C90

American Wooden Ware Mfg. Co., Toledo, Ohio

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HITCHINGS & CO.

233 MERCER STREET, NEW YORK,
GREENHOUSE BUILDING.

VENTILATING APPARATUS

HOT WATER BOILERS, PIPES AND FITTINGS.

SEND FOUR CENTS FOR CATALOGUE.

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KRAMER'S POT HANGERS.



Nestest, simplest, most convenient and only practical device for converting ordinary flower pots into hanging baskets. They fit all standard made pots from 2 to 10 inches in diameter. The illustration shows how they are attached. Just the thing for hanging up Ferns, Begonias, etc. You can make room and money by their use. Try them.

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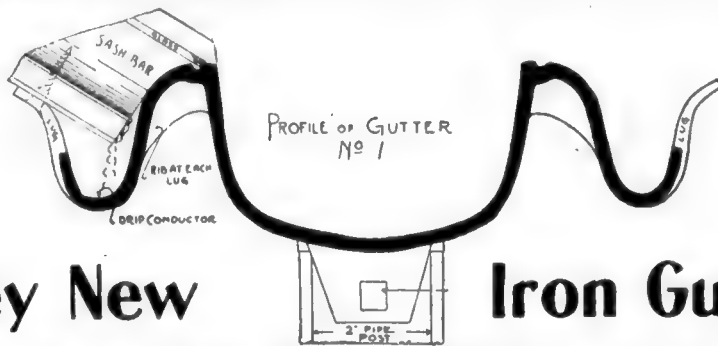
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INDEX TO ADVERTISERS.

This index covers only those having displayed
advertisements. There is a host of others mak-
ing offers in our classified ads. and they will be
found there under their proper headings.

Allen, J. K.	886	Guttman, A. J.	887
Am. Gardening.	885	Hammond, J. A.	886
Am. Wooden Ware		Hauswirth, P. J.	890
Co.	908	Heacock, Jos.	889
Amling, E. O.	881	Heller Bros.	884
Aschmann, Godfrey	904	Hellos-Upton	907
Bache, Semon & Co.	907	Herr, A. M.	889
Bacher & Co.	885	Herrmann, A.	886
Baker, W. J.	885	Hicks & Crawbuck	887
Ball, C. D.	882	Hill Co., E. G.	885
Barnard & Co.	885	Hippard, E.	907
Bassett & Washburn	888	Hitchings & Co.	903-10-12
Baur & Smith	910	Holton & Hunkel Co.	885
Bayersdorfer & Co.	886	Hunt, E. H.	888-901-5
Beckert, W. O.	883	Igoe Bros.	907
Bencke, J. J.	890	Indiana Chrys. Show	881
Bentley & Co.	888	Jacobs & Son.	909
Berger, H. H. & Co.	886	Johnson & Stokes	885
Bernheimer, E.	885	Jurgens, Aug.	888
Berning, H. G.	889	Kasting, W. F.	885
Bobbink & Atkins	904	Kellogg, Geo. M.	885
Bonnot Bros.	886	Kennicott Bros. Co.	885
Bowe, M. A.	890	Kentucky Tobacco	
Bradshaw & Hartman		Product Co.	909
Brague, L. B.	886	Kimberly, F. H.	901
Brant & Noe	888	Kramer & Son.	909
Breitmeyer's Sons	890	Kreshover, L. J.	886
Brod, J.	906	Kroeschell Bros. Co.	912
Bruns, H. N.	888	Kuehn, C. A.	889
Buckley Plant Co.	905	Kuhl, Geo. A.	903-6
Budlong, J. A.	888	Lager & Hurrell	103
Burpee, W. Atlee &		Lake View Rose	
Co.	888	Gardens	884
Caldwell Co., W. E.	910	Lange, A.	890
Caldwell The Woods-		Langjahr, A. J.	886
man Co.	891	Larchmont Nurser-	
California Carnation		ies	899
Co.	902	Larkin Soap Co.	903
Century Flower Shop		Leach, J. & W.	916
Chicago Carnation		Lecakes & Co., N.	887
Co.	905	Lilly-Lilly Chemical	905
Clarke Bros.	890	Limbach, O.	909
Clarke's Sons, David	890	Livingston Seed Co.	907
Classified Ads.	892	Loomis Floral Co.	910
Converse Green-		Lord & Burnham	912
houses	903	Ludemann, F.	900
Cottage Gardens	885	McColgan Bros.	882
Cowee, W. J.	905	McConnell, Alex.	890
Crowl Fern Co.	887	McCullough's Sons	889
Crooke Co., J. J.	908	McManus, Jas.	886
Cunningham, J. H.	904	McMorran & Co.	919
Dearborn Engraving		Michell Co., H. F.	886
Co.	907	Michigan Cut Flower	
Dickinson Co., Albert	883	Exchange	889
Dietsch, A. & Co.	907	Millang, A.	887
Diller, Caskey & Co.	910	Millang, O.	886
Dillon, J. L.	904	Millang, F.	887
Dillon Greenhouse		Montinger Co., J. C.	909
Mfg. Co.	912	Moon Co., W. H.	882
Dixon Crucible Co.	908	Moore, Hentz & Nash	886
Dofner, F. & Sons Co.	902	Moss, Isaac H.	900
Dreer, H. A.	908	Muno, John	888
Dunn & Co., C. A.	885-89	Murphy, Wm.	889
Dunne & Co.	905	National Florists'	
Eickholt, Mrs. Chas.	890	Board of Trade	887
Elliott, J. L.	907	Naumann, G. M.	889
Ellis, F. M.	889	Nelson, E. A.	910
Ernst & Son	905	N. Y. Cut Flower Co.	886
Finley, C. E.	904	Niessen, Leo	886
Florists' Hall Asso.	910	Oechlein Bros.	891
Foley, J. J.	899	Park Floral Co.	890
Foley Mfg. Co.	909	Parker-Bruen Co.	905-8
Ford Bros.	887	Peacock, W. P.	889
Ford, F. S.	909	Pennock, S. S.	884-916
Foster, L. H.	899	Perkins, J. J.	887
Garland, Geo. M.	912	Peterson Nursery	882
Garland, Frank	888	Philadelphia Whole-	
Gasser Co., J. M.	890	sale Flower Market	887
Geller, Sigmund	886	Pierce Co., F. O.	912
Gellon & Wolf	906	Pierson Co., F. E.	886
Ghormley, W.	886	Pierson-Sefton Co.	912
Giblin & Co.	909	Pine Tree Silk Mills	886
Gude & Bro., A.	890	Pittsburg Cut Flow-	
Gullett & Sons	906	er Co.	884
		Poehlmann Bros.	888
		Pollworth Co.	901

Quaker City Machine

Works	909
Quinlan & Co., P. R.	912
Randall, A. L.	888
Rawlings, E. I.	889
Rawson & Co.	883
Raynor, J. I.	887
Reed & Keller	886-903
Regan Ptg. House	889
Reid, Edw.	885
Reinberg, Geo.	888-99
Reinberg P.	888
Ribsam & Son	882
Rice Bros.	885
Rice, M. & Co.	886
Riedel & Spicer	886
Robinson & Co.	891
Rock, W. L.	890
Roehrs, Julius	885
Ryerson, U. C.	907
Salter, W. H.	906
Saltford	890
Saltford, Geo.	886
Schmitz, F. W. O.	886
Scollay, J. A.	912
Scott, John	901
Scott, W.	890
Sharp, Partridge Co.	912
Sheridan, W. F.	886
Shibley	890
Siebert, C. T.	909
Siebrecht & Son	890
Sievers & Boland	890
Sinner Bros.	888
Skidelsky, S. S.	904
Slinn & Hughes	886
Smith & Son, N.	905
Smith Co., W. & T.	882
Southern Floral	
Nursery Co.	897

South Park Floral Co

Sprague Smith Co.	909
St. Louis Seed Co.	888
Stern & Co., J.	866
Stewart, S. B.	891
Stoothoff, H. A.	905
Storrs & Harrison Co.	906
Studer, N.	905
Stumpp & Walter Co.	883
Superior Machine &	
Boiler Works	912
Swanson, Aug. S.	890
Teilmann, G.	903
Thorburn, J. M. & Co.	883
Tobacco Warehouse-	
ing & Trading Co.	907
Traendly & Schenck	887
Vesey, W. J. & M. S.	899
Vincent, Jr. R. & Son	915
Virgin, U. J.	891
Vredenburg & Co.	882
Wabash, E. R.	907-9
Wagner Park Con-	
servatories	902
Weber, F. C.	890
Weber & Sons	899
Weiland, M.	890
Weiland & Risch	888
Whitton, C.	889
Whitton, S.	905
Wiegand & Sons	890
Wietor Bros.	888
Wilks Mfg. Co.	910
Williams Co., F. R.	885
Winterson Co., E. F.	884
Wittbold Co.	890-906
Young, John	886
Young, J. W.	885
Young & Nugent	886

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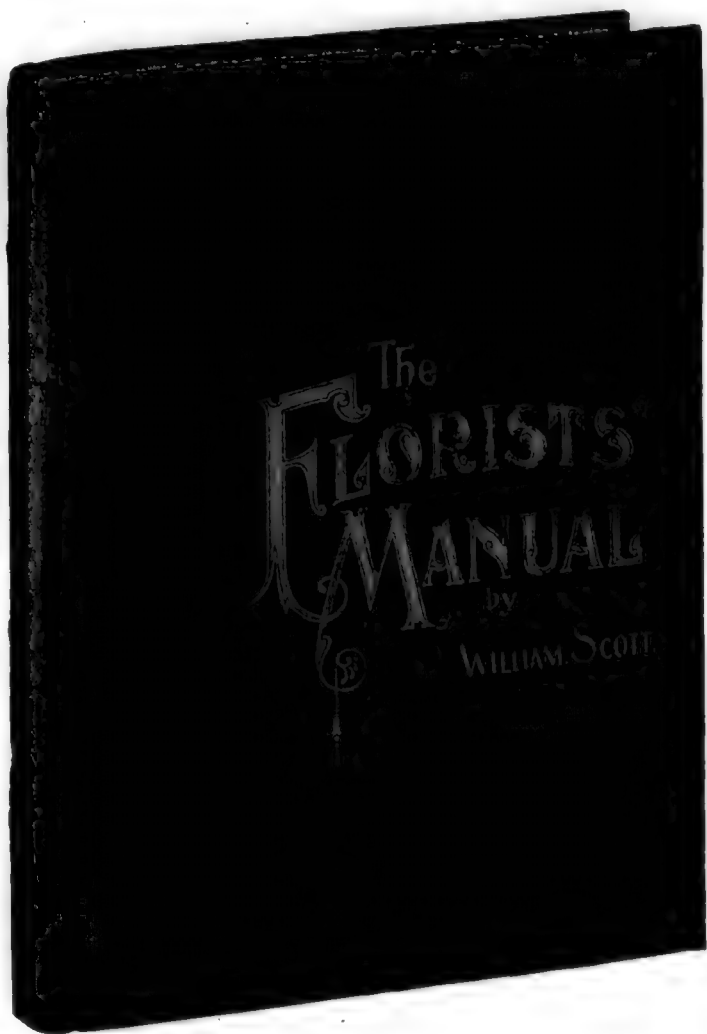
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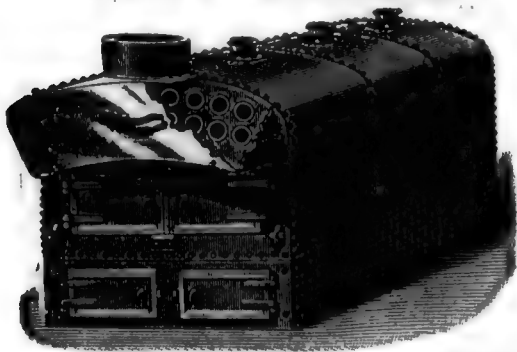
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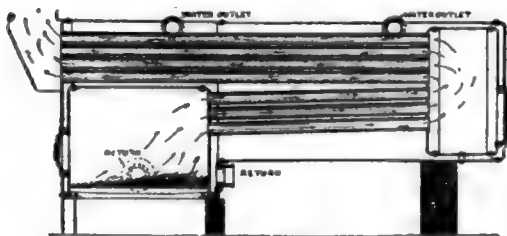


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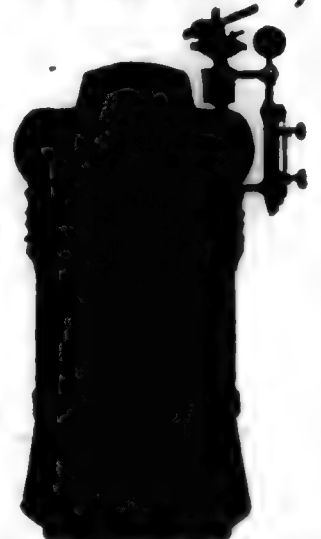
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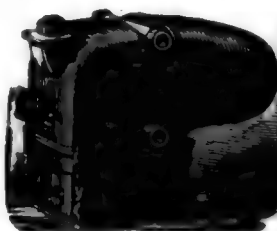
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Vol. XII.

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No. 309.

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W. W. BARNARD & CO., SEEDSMEN, 101-103 Kinzie St., CHICAGO.

The Hit of the Season



FANCY A DARK DAY IN MIDWINTER,
THE WIND HIGH, THE THERMOMETER LOW,
VERY LOW.
YOU HAVE A COUPLE OF LARGE DECORATIONS
ON HAND, A FINE LOT OF PLANTS ARE
ALMOST CERTAIN TO BE INJURED—NOT A
PLEASANT THOUGHT, IS IT? NOW SUPPOSE
YOU HAVE HEEDED THIS SUGGESTION
AND HAVE SOME OF OUR SCREENS READY.
THEY ARE UP IN A JIFFY. DRAPED WITH
PRETTY GREEN, A FEW CLUSTERS OF FLOWERS
ADDED—YOU KNOW HOW—AND YOUR PLANTS
ARE SAVED AND YOUR PROFIT IS SAFE.

M. Rice & Co.

LEADING FLORISTS'
SUPPLY HOUSE,
—RIBBON SPECIALISTS—
918 Filbert Street,
PHILADELPHIA.

LILY OF THE VALLEY

from icehouse, the best Berlin pips in the market. Per 1000, \$15; case lot, 2500 pips, \$35.

BULBS.

Full line on hand; prices cheerfully given.

CHINESE SACRED LILIES, AZALEA INDICA,

in all sizes and in the leading varieties will arrive this week. Write for prices.

F. W. O. SCHMITZ,
PRINCE BAY, N. Y.

A point worth knowing

White flowers are often very scarce in January and February and bring good prices. A well known local bulb grower finds Paper Whites his most profitable bulbs and always forces them in large numbers.

We offer for immediate delivery for one week only a fine lot of

Narcissus Paper White Grandiflora,

12 centimeters and up....\$8.50 per 1000
13 centimeters and up.... 9.75

All first-class sound bulbs.

Henry F. Michell Co.
1018 Market Street, PHILADELPHIA.

BULBOUS STOCK is getting scarce.

WE OFFER AS LONG AS ON HAND:

White Roman, 11x13.....	100	1000
12x16.....	\$2.00	\$19.00
White Italian, red skinned, large bulbs.....	2.50	25.00
Dutch Hy., separate colors, 15 cm. fancy.....	2.75	26.00
grade, 17 cm.....	3.50	33.00
Dutch Miniature, fancy grade, 13 cm.....	1.75	16.00
Narcissus Trumpet Major, earliest forcer, fresh stock.....	.90	8.50
Paper White Grandifl., 13 cm.....	1.00	8.50
Monsters.....	1.25	10.00
Cyclamen Persicum gigant., four colors, doz., \$1.00; 100, \$7.00.		
All Bulbs, 20 at 10¢ rate; 200 at 100¢ rate.		
Double Roman.....	.90	8.00
Von Sion, double, XX.....	1.50	13.00
Mixed best Single Narcissus.....	.75	6.00
“ Double.....	.90	8.00
Mixed Single and Double Trumpets.....	.90	8.00
CHINESE SACRED LILIES, 30 in basket, \$1.50.....	4.00	36.00
TULIPS.		
Belle Alliance, best scarlet.....	1.75	16.00
Scarlet Duc Van Thol.....	.90	8.00
“ Pottbakker.....	1.25	12.00
White.....	1.25	10.00
Yellow.....	1.25	11.00
Keizer-kroon.....	1.10	9.50
Mixed, very choicest Single.....	.70	6.00
Double.....	.75	6.50

Lil. Longiflorum, Japan, 5x7.....	100	1000
7x9.....	2.00	17.00
Lil. Harrisii from cold storage.	3.75	34.00
Special prices on application.		
Calla Ethiopica, 1-1½-inch.....	3.25	30.00
spotted.....	3.00	
A lot of Small Bulbs.		
Crocus, named or separate color.....	.20	1.75
Spanish Iris, named or separate color.....	.50	4.00
mixed.....	.30	2.00
Oxalis Grande Duchesse, to color.....	.75	6.00
Bermuda Buttercup.....	.60	5.00
Allium Neapolitanum.....	.50	4.00
Scilla Sibirica, large bulbs.....	.65	6.00
Freesia ref. alba, ¼-inch up.....	.50	4.00

SEED

Sweet Pea. Fresh crop. Blanche Burpee, Blanche Ferry, Extra Early B. Ferry, Countess of Radnor, Emily Henderson, Earliest of All, K. Tracy, Captain of Blues, Prima Donna, Salopian. Any of these 25¢ a pound.

Asparagus Sprengeri, fresh seed.....	100	1000
“ Decumbens, beautiful, for fern dishes or sprays.....	.20	\$1.00
“ Fern spores, in sorts or mixed, trade pkt., 25c.	.75	6.00
Lily of Valley Pips, due Nov. The finest grown in Germany. 100, \$1.50; 1000, \$12.50. Case lots, 2500, 3000, per 1000, \$11.50. Order now.		

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The carnations, while not occupying as much room as the chrysanthemums, were of equal quality, the vase of 100 Adonis shown by Hill attracting particular attention. Fiancee was shown in good shape and made quite as favorable an impression as when it was first seen here. Crusader and others were also shown in fine shape by the Chicago Carnation Co. W. N. Rudd staged a nice vase of Phyllis and F. Dorner & Sons Co., Lafayette, showed its two good whites, Lady Bountiful and The Belle, also two seedlings under number. The Thompson exhibit was large and included their next season's offerings, all in good order. The B. K. & B. Floral Co., of Richmond, sent Richmond Gem and Gunnar Teilmann, of Marion, Ind., sent Marion Beauty.

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Aside from those entered for certificates, the H. W. Buckbee exhibit included very fine blooms of the following good sorts: Matthew Smith, Mme. E. Nicolaud, Brutus, Durban's Pride, Louis Leroux, Mrs. T. W. Pockett, Mrs. Harry Emmerton, Viviani-Morel, Matchless, Mrs. Coombes, Col. Appleton, Alice Byron, Thos. Humphries, Marie Douillet, Geo. Carpenter and C. J. Salter, the latter being particularly good. They also had a vase of sixteen oddities.

Gunnar Teilmann, Marion, Ind., sent twelve fine blooms each of Mrs. Coombes, Alice Byron and Col. Appleton, also one bloom each of Marie Liger, Mongolian Prince, Wallaroo, Mrs. Robinson, Jeannie Falconer, Villa de Bordeaux, J. K. Shaw, Mrs. E. D. Smith, Major Bonnaffon, G. W. Childs, Robert Halliday and Charles Davis. His carnations were Marion Beauty and G. H. Crane.

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Bassett & Washburn showed a vase of the California carnation, Hannah Hobart, also ten seedlings raised on their place by Joseph Kahout. These include two good reds and a particularly promising white, the latter the result of a cross of Prosperity and Morning Glory.

Vaughan sent two plants of the Pier-son fern, some solanums and a half-dozen blooms of Mrs. Robinson chrysanthemum. F. A. Baller, Bloomington, Ill., showed six varieties of clematis and the George Wittbold Co. sent down some good palms, dracenas, etc.

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The only possible fault to be found with the exhibition was with the attendance. While the hall was well filled, all of the time, some of the well known faces were missing. Only four retailers presented themselves during the afternoon and a number of those in the wholesale market did not so much as look in. Certainly they would have been well repaid.

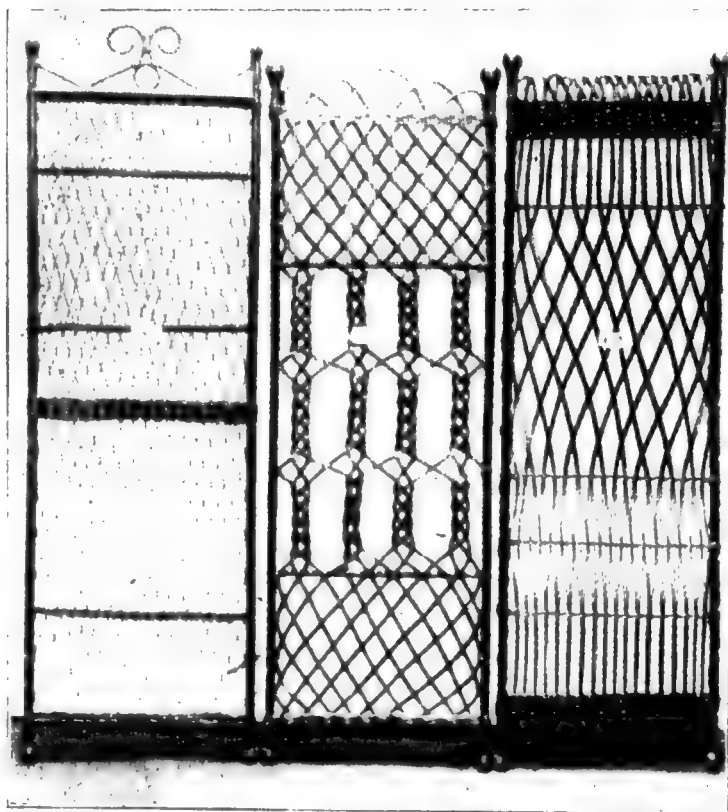
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After the exhibits had been removed about fifty adjourned to Becker & Jackson's restaurant for dinner. The tables had been tastefully decorated and every one did justice to as good a dinner as anyone need ever expect for half a dollar. Then the judges were called on for their report, after which Mr. Thompson introduced Philip Breitmeyer, of Detroit, president-elect of the S. A. F., who commended the show and said he hoped to



A Section of the Chrysanthemum Exhibit by the Chicago Florists' Club, October 24, 1903.

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in all sizes and in the leading varieties
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A point worth knowing

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and February and bring good prices. A well
known local bulb grower finds Paper Whites his
most profitable bulbs and always forces them in
large numbers.

We offer for immediate delivery for
one week only a fine lot of

Narcissus Paper White Grandiflora,

12 centimeters and up....\$8.50 per 1000
13 centimeters and up.... 9.75

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be here again soon to see such another. He was followed by Fred. Dorner, Jr., of Lafayette; Fred. Lemon, of Richmond; Geo. F. Crabb, of Grand Rapids; J. F. Sullivan, of Detroit, and C. W. Johnson, of Rockford. The last speaker was W. N. Rudd, who outlined the plans for mak-

ing Chicago's the best florists' club in the country. Winterson and Balluff sang and the crowd broke up with a vote of thanks to C. M. Dickinson and E. F. Winterson, to whose efforts the success of the afternoon and evening was due.



GOOD COMMERCIAL VARIETIES.

The reproductions from photographs, pages 920-21, give a good idea of the flowers of three reliable early 'mums which are worthy of extended culture. Miss Alice Byron can be had in good shape from October 1 onward to the end of the month, according as the bud is taken, early or otherwise. It is a very pure white, a clean dwarf grower and very large size, and best of all, is a fine keeper, not getting spotted or stained in bad weather.

The two varieties in one picture are Mrs. Coombes and Lady Harriet, Mrs. Coombes being the Japanese on the left. These two sorts can be cut early in October; in fact, at the present writing, October 17, are all cut away. They are two excellent pinks and will give satisfaction to any grower. They will not damp and will give 100 per cent of good flowers.

Neither of these three varieties can be called new, as they were recommended in these notes a year ago and this year have fully maintained their reputations. The photographs were taken by Mr. Herrington, president of the Chrysanthemum Society of America, who grows these varieties extensively and is almost as enthusiastic on taking pictures as he is on taking prizes.

Other Varieties.

Other good sorts that are now ready for cutting are Mrs. Robinson, the "old standby;" Henry Hurrell, Nellie Pockett, always a beauty and this year finer than ever; H. J. Jones, Robert Halliday and Vivian-Morel. In the novelties, Mrs. Alexander McKinley is developed and is a very pretty flower, reddish salmon in color and dwarf in habit. Donald McLeod is an ideal grower and while its color, yellow spotted with crimson, may not appeal so much to the commercial men who want only self-colored varieties, it will find a place with the exhibition grower. Its petals are long and drooping and the foliage and general appearance particularly pleasing.

Harrison Dick is another very strong grower, easy to handle and will make a place for itself. The color is classed as a reddish terra cotta and probably that describes it as well as anything. Harrison Dick will undoubtedly be heard from later.

Of the last year's novelties Mrs. T. W. Pockett is finished and cut. It is a beautiful and satisfactory variety, and if it were not for the new Cheltoni I would say it was the most beautiful yellow Japanese in cultivation.

C. J. Slater is open fully and on the crown bud, taken the middle of August,

is immense. Later buds are producing smaller, flatter flowers and an extended trial proves that it will not displace Appleton, as I thought last year. It is lighter in color than Appleton and will not give so large a percentage of first-class flowers.

Mrs. Thirkell, Millicent Richardson and Lord Salisbury are showing up splendidly. The first named, in particular, will produce a sensation where it was not exhibited last year.

Why is it, I wonder, that so many growers are content to drift along with such varieties as Ivory, Lincoln and such old-timers, when a choice can be had of such splendid sorts as are today exhibited? As well might they try to keep in the front rank with carnations by growing Scott, McGowan and Portia!

Count Van der Stegen is now ready to cut and is a very handsome variety. Crimson and gold in color, it is very striking in appearance.

F. S. Vallis is a Calvat seedling and one of the very largest in size. The days of Madame Carnot and its sport, G. J. Warren, are numbered when we can get magnificent varieties like this that are easily grown. Vallis may easily be taken for a yellow Carnot, almost the only difference being that it is a much stronger grower.

From now on the 'mum lover is in his glory. One after another the novelties are coming out, showing wonderful progress, and this year is going to be one of the most notable in the history of the chrysanthemum. I believe the New York exhibition of the National Society will be a revelation to the average grower who is not posted as to the very newest varieties and the large number of classes, covering every conceivable type, insures an exhibition that for magnitude will probably not again be approached for many years, unless got up under similar auspices. To every grower, large or small, I say, see that New York show if you have to walk home afterward.

Brian Boru.

WM. DUCKHAM AND CHELTONI.

We have waited long and expectantly for a pink chrysanthemum that should be on an equality with the good white and yellow ones. The outcry has been: "Too much white and yellow; give us pink." And in the endeavor to supply the cut flower market with pink the fickle and uncertain Vivian-Morel has been the grower's mainstay, but with more vexation than profit.

We need no longer deplore the paucity of pinks, for as an early pink variety Mrs. Coombes improves with age and is

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Smith's Chrysanthemums and part of the Carnations shown at Chicago, October 24.

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Maynell is the largest of the crimson section, with broad, massive petals, superb stem and foliage and an individuality all its own. Neither of these varieties are liable to burn in the sun; in fact, they seem to like it. Compared with the old Childs and similar sorts, they show at a glance what wonderful improvement has been effected in the crimson section.

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Another monster is Miss Mildred Ware. This variety has petals hanging down ten inches in length and under artificial light is Lawson pink in color, brilliant and glistening. It is a great exhibition variety, as large as Carnot, of similar formation, with fine stem and foliage. In fact, not one of the novelties of this year is weak in stem, but without exception are strong and healthy. BRIAN BORU.

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I have a house of chrysanthemums, exhibition varieties, that show traces of red spider on the opening blooms. Can any of your experienced correspondents tell me if light treatment with hydrocyanic acid gas would injure the blooms and would be effective enough to kill the spider? The house is 24x25 feet; height at ridgepole 15½ feet, at back gutter nine feet and at front gutter six feet.

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gas is not of a character to recommend it to any one. We heard some little while ago that this was to be the only insecticide, but outside of the violet growers it does not appear to find favor. My experience with it on orchids and similar stock was disastrous, and I have not used it since; neither would I recommend any one else to use it. It is too late now to do much in the way of getting the red spider out of the flowers. Personally I would put sulphur on the steam pipes and also paint a little nicotine on the pipe at night. The fumes from the sulphur will kill spider, but if used too strong will bleach the color out of the pink varieties. It will be a good lesson to H. T. to be sure next year that he is free from spider and other insects before the buds show color. One often learns more by his failures than by his successes.

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To get the best results from such varieties as Kaiserin, Ivory, Liberty and Chateaufort, when used for summer work alone, they should have a long period of absolute rest. By beginning now to gradually withhold water and heat they can be reduced to a dormant condition in four or five weeks, that is if they are on benches. If they are planted in solid beds they will require a few weeks more.

While putting them through the ripening process a careful watch must be kept on red spider, as the gradual lessening of the moisture in the house will encourage their increase. Very frequently houses which are undergoing this process are entirely neglected in this respect, many growers being under the impression (at least one would so judge from their actions) that because they are going to lose the foliage anyhow, it does not matter how quickly or by what means it is removed, and the sooner the leaves are off

the bushes so much earlier are they ripened. Now these leaves are just as essential to the perfect completion of the ripening process as they are to the plant in the height of its growth, and any rapid denudation of the foliage must have a serious effect on its vitality.

Spider can be held in check under these conditions by an intelligent use of the syringe, using a nozzle with a fine spray, which, if directed aright, needs no great volume of water. The temperature should be gradually reduced till by the time the plants are ripe it should be about 35 degrees at night and should be kept at that figure, or not to exceed 40 degrees, till they are started up again. During the period of rest the ventilators should remain open as much as possible, only closing them during rain, snow, or when there is danger of the ground freezing.

After the foliage is all off there is still need to keep a strict watch on the house, as after a week's sunshine the soil on the bench may get too dry, which may cause the bark to shrivel. A light mulch of leaves or dried grass is a good safeguard against this.

By the beginning of February it will be time to begin preparations for starting them, so that they may be ready to take the place of the winter bloomers which we will have to throw out in May and June. Mulching should now be attended to. It is a great mistake to think we are saving labor by putting the mulch on thick at this season, so that we will not have to renew so frequently. It is very easy to bring a check on the most vigorous stock by this method, a crop of yellow leaves being one of the first signs that the roots are suffering from the exclusion of light and air. Till after the days begin to lengthen one-half inch in depth at one application keeps us on the safe side. Where there is any sign of weakness or trouble in the stock it is safer to withhold the mulch till health again returns. RIBES.

VINCENNES, IND.—W. A. Reiman is doing a nice business and is planning to add two more greenhouses, at the same time opening a down town salesroom.

IOLA, KAN.—R. O. Henderson, successor to A. L. Harmon, at the Iola Greenhouses, has just completed two new houses, 10x40 and 10x60, planted to carnations.

be here again soon to see such another. He was followed by Fred. Dorner, Jr., of Lafayette; Fred. Lemon, of Richmond; Geo. F. Crabb, of Grand Rapids; J. F. Sullivan, of Detroit, and C. W. Johnson, of Rockford. The last speaker was W. N. Rudd, who outlined the plans for mak-

ing Chicago's the best florists' club in the country. Winterson and Balluff sang and the crowd broke up with a vote of thanks to C. M. Dickinson and E. F. Winterson, to whose efforts the success of the afternoon and evening was due.



GOOD COMMERCIAL VARIETIES.

The reproductions from photographs, pages 920-21, give a good idea of the flowers of three reliable early 'mums which are worthy of extended culture. Miss Alice Byron can be had in good shape from October 1 onward to the end of the month, according as the bud is taken, early or otherwise. It is a very pure white, a clean dwarf grower and very large size, and best of all, is a fine keeper, not getting spotted or stained in bad weather.

The two varieties in one picture are Mrs. Coombes and Lady Harriet, Mrs. Coombes being the Japanese on the left. These two sorts can be cut early in October; in fact, at the present writing, October 17, are all cut away. They are two excellent pinks and will give satisfaction to any grower. They will not damp and will give 100 per cent of good flowers.

Neither of these three varieties can be called new, as they were recommended in these notes a year ago and this year have fully maintained their reputations. The photographs were taken by Mr. Herrington, president of the Chrysanthemum Society of America, who grows these varieties extensively and is almost as enthusiastic on taking pictures as he is on taking prizes.

Other Varieties.

Other good sorts that are now ready for cutting are Mrs. Robinson, the "old standby;" Henry Hurrell, Nellie Pockett, always a beauty and this year finer than ever; H. J. Jones, Robert Halliday and Vivian-Morel. In the novelties, Mrs. Alexander McKinley is developed and is a very pretty flower, reddish salmon in color and dwarf in habit. Donald McLeod is an ideal grower and while its color, yellow spotted with crimson, may not appeal so much to the commercial men who want only self-colored varieties, it will find a place with the exhibition grower. Its petals are long and drooping and the foliage and general appearance particularly pleasing.

Harrison Dick is another very strong grower, easy to handle and will make a place for itself. The color is classed as a reddish terra cotta and probably that describes it as well as anything. Harrison Dick will undoubtedly be heard from later.

Of the last year's novelties Mrs. T. W. Pockett is finished and cut. It is a beautiful and satisfactory variety, and if it were not for the new Cheltoni I would say it was the most beautiful yellow Japanese in cultivation.

C. J. Slater is open fully and on the crown bud, taken the middle of August,

is immense. Later buds are producing smaller, flatter flowers and an extended trial proves that it will not displace Appleton, as I thought last year. It is lighter in color than Appleton and will not give so large a percentage of first-class flowers.

Mrs. Thirkell, Millicent Richardson and Lord Salisbury are showing up splendidly. The first named, in particular, will produce a sensation where it was not exhibited last year.

Why is it, I wonder, that so many growers are content to drift along with such varieties as Ivory, Lincoln and such old-timers, when a choice can be had of such splendid sorts as are today exhibited? As well might they try to keep in the front rank with carnations by growing Scott, McGowan and Portia!

Count Van der Stegen is now ready to cut and is a very handsome variety. Crimson and gold in color, it is very striking in appearance.

F. S. Vallis is a Calvat seedling and one of the very largest in size. The days of Madame Carnot and its sport, G. J. Warren, are numbered when we can get magnificent varieties like this that are easily grown. Vallis may easily be taken for a yellow Carnot, almost the only difference being that it is a much stronger grower.

From now on the 'mum lover is in his glory. One after another the novelties are coming out, showing wonderful progress, and this year is going to be one of the most notable in the history of the chrysanthemum. I believe the New York exhibition of the National Society will be a revelation to the average grower who is not posted as to the very newest varieties and the large number of classes, covering every conceivable type, insures an exhibition that for magnitude will probably not again be approached for many years, unless got up under similar auspices. To every grower, large or small, I say, see that New York show if you have to walk home afterward.

Brian Born.

WM. DUCKHAM AND CHELTONI.

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BEST BEDDING ROSES.

Mr. Scott's most timely and instructive article in your issue for October 15, on bedding roses, their treatment, care and planting, merits the attention of all florists who would cater to the great number of plant buyers who annually, as spring comes around, seek for varieties to embellish their lawns and grounds in suburban homes.

Complying with Mr. Scott's request, I append the names of those sorts that are suitable for the purpose he names: President Carnot, Kaiserin Augusta Victoria, Meteor, Balduin, Mme. Caroline Testout, Viscountess Folkestone, Gruss an Teplitz, La France, Admiral Dewey, L'Innocence, Bessie Brown, Mme. Jules Grolez, Duchess of Albany, Augustine Guinoiseau, Admiral Schley, Mark Twain, Prince of Bulgarie, Lady Battersea, Ferdinand Jamain, Mme. Antoine Rivoire, Catherine Guillot, Marie Van Houtte, Mme. Lambard, Souvenir de la Malmaison, Sombreuil, Etoile de Lyon, Pink Maman Cochet and White Cochet. The above, in nearly every case, produce fine individual buds and good flowers.

Where effect is desired on the lawn or in the border, and masses of bloom are required, the following are quite effective, but lacking in the qualities that are possessed by the individual blooms in the preceding list: Comtesse Riza Du Parc, Duchess de Brabant, Corallina,

Empress Alex. of Russia, Mrs. R. B. Cant, Sylph, Laurette Messimy, Madam Eugene Resal, and most of the Bengal varieties, which include Hermosa, Agrippina, etc.

The following recent introductions are certainly very promising for the purpose described by Mr. Scott:

Comte. A. de Foras, a charming tea variety, bearing variable, high-colored buds and flowers; the colors shown vary from crimson to bright yellow.

Souvenir du Pierre Notting, a very fine citron-colored yellow, with reddish lines; a free blooming tea.

Joseph Hill, a hybrid tea variety, somewhat in the line of Sunrise; a persistent bloomer, and splendid in growth. This is a good companion plant for President Carnot, which it resembles in all save color.

Franz Deegen produces very freely in the open, and its delightful charm of color will certainly make it welcome.

Ideal is a charming sport of La France, which will certainly commend itself to all lovers of fine roses; it differs from its parent in having stiff, erect petals, with less of the light silvery tint than in La France.

Angela Mull is a fine white tea with flowers of good size; the petals are of great substance, and it produces fine, large double flowers.

Mme. Derepas Matrat has been christened by an American firm "the Yellow

Cochet;" we understand this has had extensive trial in one or two places in this country, in the open, and that it has done finely.

We have it on the highest authority that a French rosarian will distribute a dwarf everblooming Crimson Rambler. It is said to be Turner's Crimson Rambler in every particular minus the climbing character. This certainly will be a welcome addition to our lists.

E. G. HILL.

CARNATION NOTES—EAST.**Thanksgiving Blooms.**

Plants should now be firmly established, supports in place, and in the case of most varieties a goodly number of buds and blooms in sight. Attention will necessarily be directed toward the Thanksgiving crop, for which there is an increased demand each year. Lawson, Nelson, Joost and Floriana for pink, Crane and Apollo for red, Gov. Roosevelt for crimson and Enchantress for delicate pink, present a good range of color for this occasion, and ought to be in good evidence at that time.

Plants that are growing vigorously should now receive a top dressing of bone dust and fresh soil prepared about a week in advance, in the proportion of six to eight parts soil to one of bone. Turn frequently to prevent excessive heating and apply at the rate of a handful to a row of five or six plants, watering immediately.

The turning and heating of the mixture renders the fertilizing qualities of the bone soluble; therefore in watering give a sufficient quantity to carry these elements within reach of the roots, but see to it that none runs through, thereby losing in solution that which is most valuable to the plants. Two weeks later a light coat of unleached hardwood ashes, followed by an immediate watering, will be of further benefit.

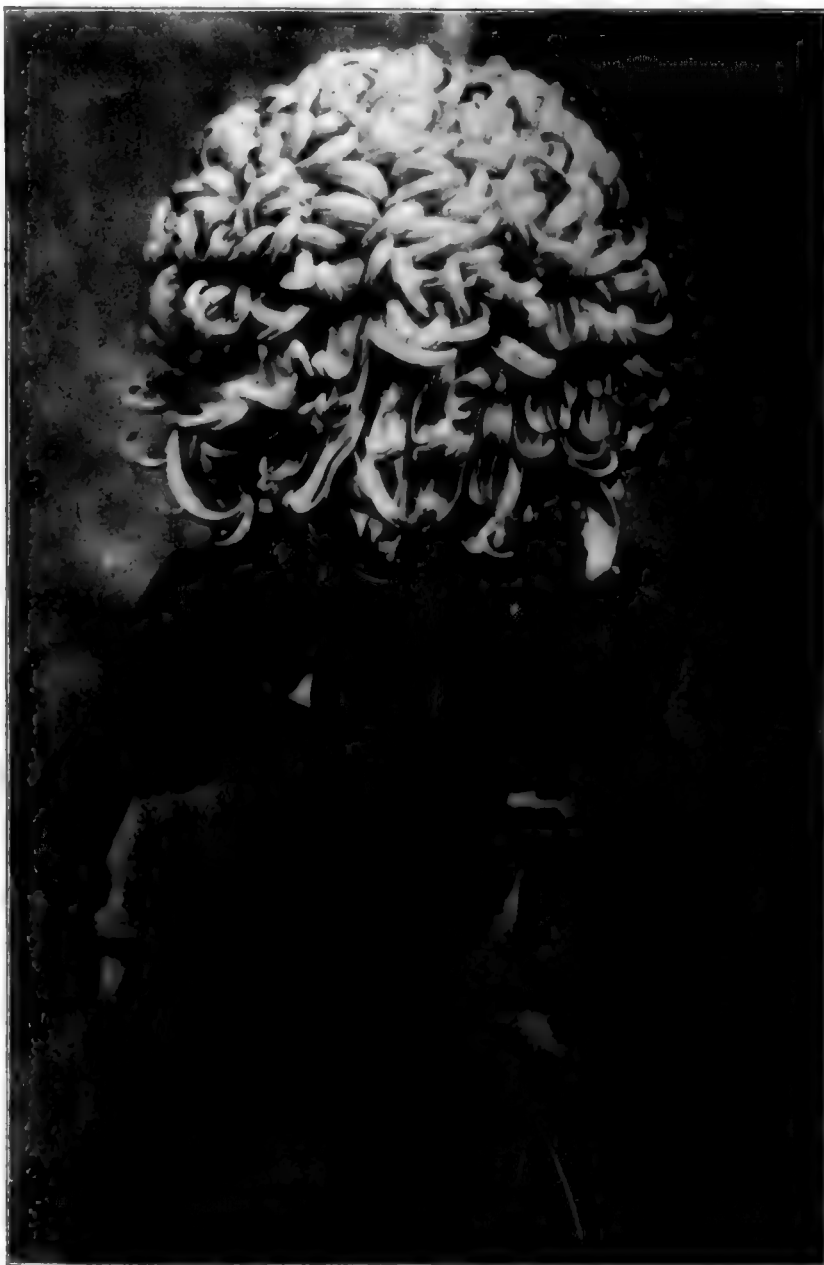
Speaking of wood ashes, while they are a most excellent thing for carnations I am led by observation to advise against its use in equal quantities for each color. Its effect appears to brighten a color, and, in the case of delicate shades, too frequent or liberal applications have been observed to produce streaks, blotches or flecks. Its need is readily seen in a bench of scarlet or crimson whose flowers lack brilliancy.

Allowing crimson and scarlet as capable of the standard or maximum quantity, and which we will rate as 100, I would recommend as the colors of the different sorts are farther removed in intensity from the standard (red or crimson) a less quantity be employed. For example: Gov. Roosevelt and Palmer, 100; Lawson, 75; Nelson, 50; Floriana, 25; Enchantress, 15. Nature of soil and knowledge of a variety's general needs, of course, must be taken into consideration.

GEO. S. OSBORN.

CARNATION NOTES—WEST.**The Fall Exhibitions.**

The fall exhibitions will be upon us in a very short time and to many they are a very interesting time. It is in the fall show reports that we usually look for the first information regarding the varieties that we are expected to invest our cash in the next spring. If a variety shows up well at the November shows and keeps in good shape through the winter we are usually safe in investing in a few

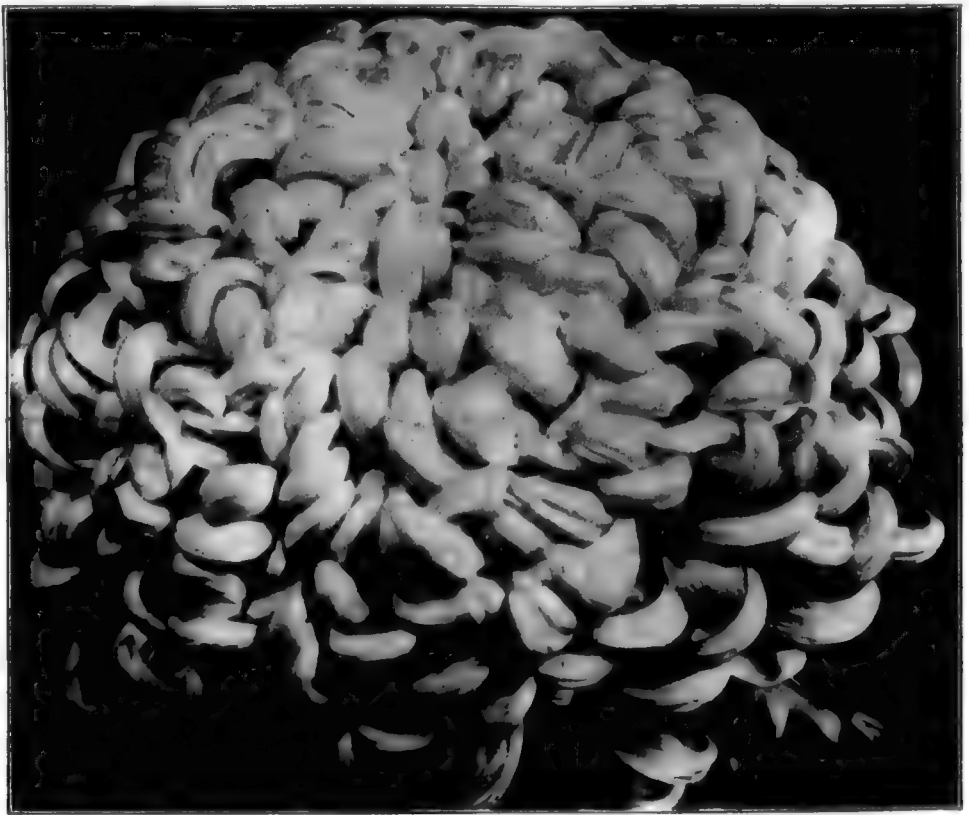


Chrysanthemum Cheltoni, a Yellow Sport from Nellie Pockett.

when they are offered for sale, but we usually try to steer clear of the varieties that keep themselves hidden up to January and then spring forward and capture high scores, and cups, and medals. They seldom pay for their keep, to say nothing of making you any money. So watch the reports regarding the new varieties, but don't conceive the idea that a variety that is shown at all the shows is better than a variety which makes an equally good impression at one or two shows. The fact that a variety is widely exhibited does not prove its superiority, but rather the hustling quality of its owner.

To the seedling raisers and disseminators these shows are just as interesting and important, as they give them an opportunity to show us just what you want to know. There are a few firms in this country who can introduce a variety successfully on the strength of their own reputation, and these fall shows are not a necessity to them, but there are a great many more who find it necessary to prove their assertions before you are willing to invest in their seedlings. To these the fall shows are a necessity. The comparatively unknown young seedling raiser will find that a decisive victory for his variety at one of these shows will boost the value of his variety only a little less than the same victory at the A. C. S. convention. If you have a pet seedling and wish to advertise it, you should take advantage of these opportunities, if it is in shape to show. All experienced exhibitors know that it is one thing to have a fine lot of blooms on the plants and quite another thing to stage them in good condition 1000 miles away. Careful handling and expert packing are essential, and to pack carnation blooms so that they will not become crushed is a problem that has bothered the very best growers and packers. A bloom that lies on its petals twenty-four hours or more and is shaken around a good deal besides, is not very apt to have a perfectly round form when it is unpacked. When simply packed in layers this is apt to be the result even if you only pack one layer in a box. I have seen many blooms packed with cardboard collars around the calyxes, just below the petals and just a trifle wider than the blooms, and in most cases they traveled well. You must fasten the stems so that the blooms cannot move the least bit, else the cardboard is liable to injure the blooms next to it. Some make use of small pillows, made by rolling tissue paper into rolls thick enough to hold the blooms up off of the bottom. This is all right, too, if you fasten the pillows so they cannot move or weight down the tiers below.

It seems to me the best way is to tack a light stick across the box for each row of blooms to rest on, and you can tie each bloom in place if you wish to do so. Drive the nail through the side of the box and into the end of the stick. This will make each row of blooms independent of all the others and there can be no crushing and you can put in row after row until the box is full to the top. A slight crushing would not prove very serious if the blooms could have a few hours' time to freshen up after being unpacked, but this is in most cases denied them and they must face the judge just about in the shape they were in when unpacked. If the journey is only a few hours it will be enough if you place moistened tissue paper between the stems, providing, of course, that the blooms stood in water at least ten hours after



Chrysanthemum Wm. Duckham, bloom one-half natural size.

being cut. If the journey is long you should use Kift's little flower bottles. When packed with the stem stuck into one of these bottles a bloom is almost as well off as it was in the vase in your cellar.

A. F. J. BAUR.

ERADICATING THE RUST.

Enclosed find some specimen leaves of Daybreak carnation affected with some kind of rust. Last year we were troubled by the same thing on the Crane, but they are clean so far this year. Can you tell the trouble and advise a remedy?

E. S. F.

The sample leaves show clearly that the carnation plants are infested with the common carnation rust or *Septoria dianthi*. This disease is usually brought on through too much syringing overhead and not enough ventilation, resulting in a stagnant, moisture-laden atmosphere. To eradicate it is not quite so easy as it is to bring it onto your plants, but growers as a rule do not consider it such a dangerous disease as they did a few years ago, and if it does not make too much headway on the place we do not let it worry us much. Pick off all the diseased leaves and burn them. Then dust your plants thoroughly with lime into which you have mixed about one-fifth its bulk of sulphur. If you have some grape dust on the place it will be, perhaps, a little better than the lime. After a few days, on a bright morning, you can syringe it off, and in the evening, after the plants have dried off again, you should repeat the dusting, leaving it on again for a few days. Throw some lime around under the benches or in the walks and keep the ground dry, so as to keep a dry atmosphere. When you water, run the hose between the rows and let the water soak into the soil without wetting the foliage. Of course the water should run slowly from the hose so as not to wash the soil. You will find that some varieties are very prone to take this disease, while others seem to be almost entirely proof against it. Old Daybreak always

did seem to be a great favorite with this disease, and unless it does better with you than it does with most growers who still hold on to it, you will do well to drop it and secure stock of some of the newer varieties. For instance, Enchantress has not shown a sign of any kind of disease with us, and it is far and away ahead of Daybreak in every respect. The growth is stronger and more upright. It comes into bloom earlier and produces a better bloom in September than the old variety ever produced in midwinter. Enchantress is as far ahead of Daybreak as Daybreak was ahead of its predecessors of that color.

A. F. J. BAUR.

PACIFIC COAST.

PLANT NOTES.

There is no reason why Dutch bulbs will not succeed as an ordinary garden flower in California if a few simple, common-sense rules are followed. Three seasons ago I planted the remains of 1,000 Roman hyacinth bulbs in the month of April out in the open field. The foliage had all died down and I had taken them from flats that had received no water since taken from the forcing house. In April, bear in mind, everything in California is dry and dusty, and the bulbs which had shriveled to about one-third of the size they were when I boxed them, although each one had three or four smaller bulbs clinging to it, were planted out in rows in the thoroughly dry soil.

They did not get a drop of water until the following November, when the rains began. The leaves showed themselves in January and about the middle of February I cut about 1,000 spikes of flowers. I gave the bulbs no attention whatever and the following year they produced about 1,500 good stems of bloom. Last spring I cut about 4,000 strong spikes and I dug up the row in July. Where I had originally planted 1,000 discarded Roman hyacinth bulbs I found about

4,000 fine large bulbs, fully fifty per cent larger than anything I have ever received from Europe. I have planted for forcing about 3,000 of them and will report my success with home grown bulbs later on.

I have had about the same results with Dutch hyacinths—that is they have multiplied in the same proportion. The only rule I have followed is to keep them perfectly dry until they received their moisture from the rains. This explains, I think, why the general run of custo-

mers do not succeed in keeping their hyacinth bulbs from year to year when planted among other garden plants where there is promiscuous watering.

I find the same rule applies to daffodils, tulips, jonquils, anemones, crocus and narcissus. I transplant my daffodils about every third year, jonquils, tulips and crocus every season, and the anemones once in two years. Later on I will give you some ideas in regard to my experiments with dahlias, gladiolus and other such stock. G.

MISCELLANEOUS SEASONABLE HINTS.



Forcing the Dahlia.

A great deal has been talked and written and illustrated for the past few months anent the dahlia. As a decorative cut flower for the late summer and fall months it has undoubtedly come to stay. The letter from Mr. Peacock read at a recent meeting of the Pittsburg Florists' Club, and more particularly the remarks of that grand horticulturist, Wm. Falconer, is most interesting. Mr. Falconer said dahlias were at Easter, a "great success." He appears to have grown them in 6-inch pots. There is no doubt at all that five or six inches of soil

on a bench, or maybe on the ground, would do them even better and it is quite easy to believe that with the uniform temperature and moisture which can be given them under glass, the flowers would far surpass in size, color and general finish any flowers grown in the open ground, as do many of our florist flowers. We don't alter nature, but the gardener greatly assists nature. If we had nothing but the large double show varieties, forcing them for Easter may never have been desirable, but the charming pompons, cactus and other decorative types have given us flowers of surpassing

beauty of form and color. Think what beautiful flowers they must be for church decorations at Easter and, for that matter, for the social functions which quickly follow. You can learn more from pages 870 and 871 of *THE REVIEW* for October 22 about planting time, temperature, etc., than I can tell you.

Mr. Peacock tells us he has been growing dahlias under glass for thirteen years and I have occasionally heard of a few others doing it. Yet I think it is a very, very small minority of the commercial florists of the country who have given the dahlia any thought as an Easter flower. Some of our largest firms have been making a specialty of supplying the trade with a half dozen of the finest decorative varieties for forcing purposes. So there is no trouble in procuring plants in condition for starting in January.

Lifting and Storing.

Only within a very few days have the dahlias been injured by frost, even in our northeastern states, and now the tops are killed it is time to dig the roots. Any place that will keep potatoes will do for dahlias. I can remember in the "Auld Sod" that they were hung up to the sides of the wall in any cool shed. Beneath a carnation bench, with some old boards under them, will winter them first rate, and the less drip on them the better. Whether these roots, when divided, would be the proper thing to force for Easter is a question I would like to hear about from a specialist. Perhaps they are. We treat the dahlia as if it was an herbaceous plant, as we do a canna, but in its native clime I think it is no more truly herbaceous than is the canna. Yet I will venture an opinion that the best way to prepare a dahlia for forcing would be to take spring propagated cuttings and, instead of planting out, grow them along during summer in 4-inch pots, ripening them off by the middle of September and resting till time to force.

Roses for Pot Forcing.

The time is approaching for lifting hybrid perpetual roses and Ramblers from the ground for Easter and spring blooming plants. We heard the other day from one of the most intelligent gentlemen who travel that a famous Philadelphia grower of fine plants grows his Crimson Ramblers one year in the ground and the following spring lifts them and grows them through the summer in pots and forces them the following winter. This is indisputably the safest and surest way to get a well-flowered plant, and I have advocated that method often. But this famous grower of fine plants, if he does it now, did not do it so a few years ago, for we saw his plants coming into the shed from the field about the 10th of November. The majority of growers lift them in November and force them that winter and many are very successful. The critical time with the Rambler grown in this way is the short period of two months or less between lifting and starting into growth in January, because you do not cut down the Ramblers. You lift them with more or less loss of roots, but leave on all the growth to be supported by an entirely inactive root. With the hybrid perpetuals it is somewhat different. Those you cut down severely when brought in to force; still they often break poorly and weakly through the loss of active roots and the drying out which more or less occurs with the greatest care.

Lifting, Potting and Storing.

It is a great advantage if you have these roses on your own place, for then



Chrysanthemum Miss Alice Byron.



Chrysanthemum Mrs. Coombes.

Chrysanthemum Lady Harriet.

Two of the very good sorts of last season's introduction, photographed by A. Herrington.

but an hour or so only need elapse from the lifting till you have them potted and watered. Now supposing you have them in your own field, or you have to purchase them, do not be in a hurry to lift them. Ten degrees of frost will do them good; it will ripen the wood and denude them of leaves, which would have to be pulled off in any event, the same way that nurserymen scrape off the leaves of all deciduous shrubs and trees when lifting them in the fall. Save all the roots you can when digging; with the Ramblers you do no pruning at lifting; with H. P.'s you can cut off one-third of the growth, which simply makes them more convenient to handle.

Pot firmly just as soon as you possibly can, and immediately give them a thorough watering. In a few hours the soil in the pots will have become dry enough to be firm and not fall out when the pots are laid on the side. The next thing to do is to choose a level, dry spot convenient to the houses and lay the plants down, putting the pots as close together as you can, with the tops of the plants of one row lying over the pots of the others; sort of shingle them. Make the beds of convenient size, say five feet; that would hold nine or ten 6-inch pots lying side by side. Then throw on four or five inches of soil, either dug from the side of the bed or any old, light soil you have on hand. The next thing to do is to get the hose and very judiciously give the soil that covers the roses enough water to about soak through and reach the stems, but no more. If any shriveling of the canes has taken place this will restore them and they keep in this way far better than in any frame or cool house or cellar that was ever used for the purpose.

They will come out in January or whatever time you want to start them, with plump eyes and stems. You might, if the weather in December gets very severe, cover the soil with a few inches of leaves

or hay, or any such material that is most readily at hand. Frost that would penetrate through the soil would not hurt them at all, but they might be frozen in a tight mass just when you wanted to bring them in, and then it would cause you trouble, as well as the roses.

I meant to say a little earlier in these notes that lifting them when the wood is green is a great mistake, for then it must ripen prematurely. If the wood is green and any way soft leave them out till end of November. When the wood shows ripeness and the leaves are falling is the time to dig.

WILLIAM SCOTT.

ASPARAGUS MYRIOCLADUS.

Our attention has been called to the fact that the note "from a British writer" quoted under the above head in our issue for October 8, page 792, and which we found published as original matter in a mid-summer number of the Austral-Culturist, of Melbourne, Australia, first appeared, with an illustration, in the American Florist of April 4, 1903, page 383. We take this first opportunity since the facts have come to our attention to give proper credit to the original source of this note.

NEW YORK.

The Market.

These are strenuous days in Gotham, with a hot municipal campaign, and Dowie seeking to reform the town, but this has no energizing effect upon the flower business, which, after all, is the one thing needful, nor will there be any appreciable revival until the killing frosts have stopped the flood of outdoor bloom. The theater openings occur weekly and absorb a goodly quantity of flowers, and the football enthusiasts make their existence evident by the creation of a demand for violets and chrysanthemums far beyond the ordinary. Never

were 'mums at so low an ebb in price so early in the season, and never was the supply so much in advance of the demand. Society celebrates again next week at the dog show, and the week following the equine exhibition, then comes the greatest 'mum show of the season, and by that time we hope Wall street will wake up, and rise, and everybody will be prosperous again and the florist will have his share of the general good times, which are so close at hand.

Various Notes.

In addition to the horticultural exhibitions mentioned in my last, the Suffolk County Association holds its annual show this week, at Bay Shore, L. I. The floor space for the New York show is 70,000 square feet and an attendance of 100,000 visitors is expected.

The new Breitmeyer rose displayed its beauty and asserted its right to recognition in the window of Charles Thorley for several days last week, and on Saturday after a week's cutting, and exposure to heat and air, they still retained their beauty and fragrance and attracted much admiration from the passing throng. It is certainly a rose that has come to stay. It will be shown at all the fall exhibitions. Fred Breitmeyer accompanied his rose to New York, and upheld his reputation for strenuousness while in the city, visiting the great rose establishments of Ernst Asmus and Paul M. Pierson and fraternizing with the wholesalers and with the Peter Henderson people, with the latter having absorbed some of his practical ideas of the florists' business.

The visit to Mr. Asmus found that gentleman slowly recovering from his serious illness of the summer, and preparing for his trip to the south, where he will spend the winter. It will interest you to know the names of the roses grown by Mr. Asmus. While nearly all rose growers in this vicinity confine them-

selves to propagating Brides and Maids, in West Hoboken and Gloster, you will find, in addition, the new Breitmeyer rose and American Beauty, Killarney, Cusin, Morgan, Testout, Deegen, Liberty, Queen of Edgely, Kaiserin, No. "200," Watteville, Ivory, Golden Gate, Carnot, Hoste, Ideal and Canadian Queen, and best of all a demand that insures a complete sale for all of them. The Asmus establishment is one of the most complete and successful in the United States, and under the expert management of his sons, both branches of the immense plant are models of neatness and practical accomplishment.

The next meeting of the New York Florists' Club takes place November 9, and will be especially interesting because of an exhibit of the new Breitmeyer rose and readings by Alexander Wallace from his new book on the heather, a work that will win for its author the enthusiastic praise of every man with Scotch blood in his veins.

A new wholesaler will endeavor to woo fickle fortune on West Twenty-eighth street about November 1. Dame Rumor has selected one of two fine spots for the wooing and another week will show which way the cat jumps.

The florists' business of the late F. J. A. Schaefer, of Newburg, has been purchased by his daughter, wife of Fred Chadborn, president of the Chadborn Automatic Ventilator Co., and his son, F. W. Schaefer, and will be continued on generous lines and with the addition of a nursery department as well. Mr. Chadborn was in Mamaroneck last week installing two of his machines, after his honeymoon trip to the Delaware Water Gap. The Schaefer plant has over twenty modern greenhouses and the latest improvements, including automatic ventilators in all the houses.

J. I. Raynor expects shipments of Adiantum Croweanum to begin again about November 1.

Langjahr's new ice-box and store fixtures are up to date.

Gardenias and cattleyas abound at Young & Elliott's and every variety of commercial orchid is offered by James McManus, whose shipments to out-of-town florists are developing into a continuous performance.

Small & Sons had big weddings last week, at Flushing and Brooklyn. Their windows were very attractive with electric lights, vandas, cattleyas, dendrobiums, cyrtipediums, with oak leaves and crotons, while red dahlias, Roosevelt carnations and Farleyense made one window especially beautiful.

Fleischman had an immense Anna Foster trimmed with wide mauve ribbon, as a center the other day, with huge vases of dollar-a-piece 'mums in the foreground that brought even blase promenaders to a halt, while at Thorley's 'mums of the Twombly grade of bloom, and Breitmeyer roses with Farleyense were enough to attract constant lovers of the artistic.

Mackintosh's new electric did duty last Saturday for the first time. It is an illuminator, sure enough. He had a big political wedding last week, when the daughter of Barney Biglin made her venture into the sea of matrimony at the Earlington hotel. White 'mums and roses, curtains of smilax and autumn leaves made up the decoration.

The sale of the large plants from the Biltmore Estate was continued at Elliott's last Friday and another large attendance of prominent retailers absorbed

the balance of the goods at very satisfactory prices.

Notes of a Boston Trip.

A call at the L. H. Foster greenhouses, at Dorchester, Mass., last week found that gentleman booking orders for Bostoniensis and Anna Foster in a fine new office, in keeping with the growing business of the past two years, during which time double the amount of glass has been found necessary to provide stock for his customers, especially of Anna Foster. The graceful fern is constantly growing in popularity and is prized especially for its fine keeping qualities. Mr. Foster has a sport from Anna Foster that is even more dainty and unique than its parent, and another year will see a new aspirant for public favor in the fern family that cannot fail to win its way.

The Boston Flower Market is a winner. It opened on the ground floor last April, sold out its stalls, every one of them at auction, the premiums over the rentals being \$6,290. Its 8,000 square feet of space is already outgrown, and 158 stalls is not enough. The lowest premium at the sale was \$13, the highest \$80. The market has a ten-year lease and the basement has been let so that it pays \$400 more than its cost. The Waban Conservatory folks have a large space in the basement for sorting and storage.

I met Elijah Wood, popularly and lovingly known from Boston to the Pacific as "Little Woody," as young as ever and as enthusiastic an Odd Fellow as he has been for "nigh on to thirty year."

J. AUSTIN SHAW.

MILWAUKEE.

The Market.

Trade the past week was rather unsteady. Shipping business was light, perhaps due to most of the country buyers having a good supply of 'mums on hand. Carnations sold well but it was difficult to keep roses moving at respectable figures. There are plenty 'mums in the market to meet all demands and prices seem to be a shade below former seasons. The increased local supply in nearly all lines is now being felt in this market and there is almost enough home-grown stock to meet all ordinary requirements. Violets are coming in more freely and quality is improving.

Notes.

Mr. Zweifel is cutting some very fine Enchantress carnations which bring top-notch prices.

Mrs. Ennis has opened a flower department at the Boston store and reports good trade.

Aug. Kellner is about completing two houses to be used for decorative stock. Mr. Kellner is making a specialty of decorating and had several big jobs the past week.

The coal situation is far different from this time last season. Coal is now being offered at reasonable figures and most of the yards are completely filled up. It was reported that several vessels chartered for this port were consigned to other ports the past month, owing to the crowded condition of the coal yards and also the danger of fire, which occurred in some of the yards, in the immense piles of soft coal.

The C. C. Pollworth Co. took in a carload of azaleas the past week and also made several large shipments of palms to Pacific coast points. INCOG.

PHILADELPHIA.

The Market.

The business done in cut flowers is not in a satisfactory condition to any but chrysanthemum growers. There are entirely too many flowers coming into town to be used to advantage. Ivory, Mrs. Henry Robinson and Timothy Eaton have been added to the list of white chrysanthemums. The last named variety is very fine, and has brought the highest price so far obtained, although the number received is small. The cold nights have injured all outdoor stock excepting cosmos, which is still very plentiful. The dahlia wound up its season with a rush, S. S. Pennock filling an order for 6,000 of these flowers one evening this week. There have been some very large orders this week, consuming great quantities of stock.

The Home of Liberty.

Just think of 12,000 Liberties all on one place, three-quarters of them under one roof, or, rather, within the bounds of four walls! Such a thing was unknown here till this season, when A. Farenwald erected his new range of eight houses on the Dietsch pattern, with short roof bars and no partitions. His Liberties are a beautiful sight, full of vigor, with quantities of buds giving promise of fine crops this season. No stakes are used, the plants being of erect habit. Both young and carried-over stock are grown in ground beds chiefly, although some are in benches. The resources of the place were taxed to produce enough stock to fill the new range, a couple of thousand were purchased, all that several growers could furnish, but half the last section was planted with Beauties. Four of the six older houses are also planted with Beauties, making about 6,500 plants of this variety. Two of the houses filled with carried-over stock show remarkable vigor, the plants being seven or eight feet high and very bushy after three months' growth. There is every reason to expect a large preponderance of specials from one of these houses, which was just coming in. Unfortunately, time did not permit of a visit to Edward Towill's place, near by. Mr. Towill is also a Liberty-Beauty specialist, and has added considerable glass this season. His plants are said to be in fine shape.

Notes.

Joseph Heacock has just completed a violet house, 11x60 feet, for his daughter. The house adjoins a large palm house, and will be filled with single violets.

Mrs. M. D. Young has taken the store and greenhouses of Mrs. J. Wolff, Sr., at Ridge avenue and Dauphin street. A fall opening was held on Friday and Saturday.

I. Leech, lately with J. J. Habermehl's Son, has gone west to take a position with C. A. Samuelson, of Chicago.

Paul Berkowitz, of H. Bayersdorfer & Co., has just returned from a successful business trip.

Charles E. and Mrs. Meehan celebrated the tenth anniversary of their wedding on Saturday evening.

M. Rice & Co. have just received two certificates of merit, awarded them at the S. & F. exhibition at Milwaukee. They are most creditably gotten up.

Samuel S. Pennock received the first Timothy Eaton of the season.

Eugene Bernheimer is receiving some nice mignonette.

Wm. J. Baker is handling some fine Ivory, as well as good Maidenhair fern.

C. A. Dunn & Co. are pushing things at a lively rate and handling lots of valley and adiantum.

A special meeting of the stockholders of the Flower Market has been called for Tuesday, November 3, at 1 p. m., at the Market to decide, first, whether the beginning of the fiscal year shall be changed from October 1 to July 1; second, whether the clause limiting each stockholder to fifty shares shall be abolished. All stockholders who are unable to be present are requested to send their proxies with instructions as to how they wish to vote. A two-thirds vote of the stock is necessary to carry each amendment.

Bowling.

The following is an account of the deciding game between the Growers and Dealers, furnished by Walter N. Yates:

The Dealers win the deciding contest. The other contests between the Dealers and Growers were close and exciting, but the deciding match was heartrending—to the Growers. As in the second contest, the Growers won the first two games with a good margin and were in the lead an even 100 pins when the third game started. This lead was held until the beginning of the eighth frame, when the calamity occurred. When the wreck was cleared away the Dealers were two pins ahead, thus winning the final and deciding match by making up over 100 pins in the last three frames. Rather exciting? Well, just ask the boys! The following are the scores:

Growers.	1st.	2d.	3d.	Total.
Yates	148	172	152	472
Westcott	182	150	167	499
Harris	191	170	146	507
Anderson	149	151	151	451
Adelberger	151	184	152	487
Totals	821	827	768	2416
Dealers.	1st.	2d.	3d.	Total.
Kift	148	135	151	434
Gibson	174	140	176	490
Falek	131	170	153	454
Connor	125	169	200	494
Moss	188	168	190	546
Totals	766	782	870	2418

PHIL.

ST. LOUIS.

The Market.

Business conditions were somewhat better the past week, owing largely to several important weddings. An increased demand for funeral work was also noted, but trade in cut flowers is slow in opening up. The weather continues warm during the day, with cool nights. The wholesale market is still stocked with plenty of everything. The cut of chrysanthemums is increasing and the blooms are of fair quality. Cooler weather is wanted to improve the 'mum market. As to quality, some good Yellow Queen and Col. Appleton sold at \$3 per dozen. Glory of Pacific and Bergmann are not selling so well. Other varieties are slow in making their appearance. Mrs. Robinson and Ivory are promised for this week.

American Beauties are in good demand and are pretty well cleaned up every day; \$3 per dozen is the top price for the fancies, which are still limited, but there seems to be plenty of the other grades, which sell according to length of stem. In smaller roses Brides and Bridesmaids are over-plentiful, but very

few are what can be called fancy stock. These sell at \$2.50 in hundred lots. A few choice Meteors and Carnots bring \$6 per 100. Perles, Golden Gates and Ivory bring \$4 and \$5 for the best and cheaper in big lots. The rose market, of course, is suffering from the increasing supply of chrysanthemums. Fancy stock in carnations is very short at the present time and the top price is \$2 per 100. Of the good common stock there is enough for the demand. This stock is good in flower, but very short in stem; \$1 to \$1.50 is what these bring. Good Daybreak is scarce and very much wanted.

Violets are selling at from 25 to 35 cents in small lots. They are looking very much better and are coming with very fine, long stems and good color. The demand is good at the retail stores. Lily of the valley has met with good sales the past week, owing to many weddings; \$4 and \$5 per 100 is asked for the best and \$3 for some poor stuff. Cosmos is about over, as is all other outdoor stock. Romans and Paper Whites are expected soon; in fact, a few are in now. Callas, too, are beginning to show up.

Various Notes.

August Schuerman, of the Schuerman Floral Co., will begin this week decorating the large coliseum in the Exposition building, for the horse show which opens next week. The decorations, Mr. Schuerman says, will be handsomer than ever and on a much larger scale.

Will Adels has left the employ of Mrs. M. M. Ayers and reports that he will open a place of his own at Salisbury and Blair avenue, North St. Louis.

George Ostertag, who is with his sister Mary, on Grand avenue, reports a busy week, with party work. A "violet party," which used up some 500 bunches of violets, was a big affair.

Mrs. Newman, at Olive street and Spring avenue, makes a fine show in her large window, with a choice lot of cut flowers and plants. Miss Armstrong, who is with Mrs. Newman, reports business very satisfactory.

The Reissen Floral Co. reports a great deal of funeral work the past week, with several large weddings booked for next month.

Henry Lohrens, of the Park Floral Co., received last week a big lot of palms from Joseph Heacock. They came in good condition and Henry says trade has opened up nicely on them.

Miss Rosa Arata reports that business in her section is very good. Miss Rosa keeps a choice lot of cut flowers and plants in her place at Lafayette and Jefferson avenues.

C. Young & Sons Co., on Olive street, are kept very busy in their bulb department, in which they have a big shipping trade. James Arata, at this place, has fully recovered from his sore hands, caused by poisoning this summer, Jim says, by handling balsams.

S. Silverstone, of the St. Louis Palm & Floral Co., says that trade is picking up, with all kinds of work in both fresh and artificial flowers.

The Engelmann Botanical Club will hold its meeting this week at the Central High School. F. W. Taylor, of the department of agriculture and horticulture at the World's Fair, will give the address of the evening.

Bowling.

Below will be found the totals and averages of the games played by the

different members of the club since the last convention, 24 games having been rolled:

Player.	Games.	Total.	Ave.	High- est.
C. A. Kuehn	21	3975	189	243
Carl Beyer	24	4286	178	259
J. J. Beneke	21	3682	175	218
Theo. Miller	24	4044	164	214
Will Adels	12	1883	158	197
F. C. Weber	15	2192	146	195
F. M. Ellis	18	2709	145	191
John Young	12	1621	135	168
F. J. Meinhardt	24	3145	131	163
Freddie Weber	15	1958	131	158

J. J. B.

BUFFALO.

Current Comment.

You might pronounce business as fairly good and promising to be considerably better, and everybody is getting a share of it. The last rose of summer has disappeared and her lovely companions are gone, so the salvia and dahlia and alas, the cosmos said, "I'll not leave you alone, I'll go, too." When there is nothing in the garden and fields but the sear and yellow leaf, and little flakes of snow find a resting place in your eye, our 'mums and roses and carnations seem to take on a much enhanced value, not alone a money value, but they inspire admiration, fondness, love and perhaps veneration, and now we are in it again for the next seven months or until the "Daffie down dille" unfolds her golden petals in the spring. The above is rather an attenuated way of saying that we have had a killing frost.

Joseph H. Rebstock has had a few fashionable weddings of late and Joseph's recently fractured leg is so far progressed toward its normal condition that he was able to boss the job. That most enterprising and energetic young lady, Miss Rachel Rebstock, has also had some large decorations. Rachel is a hustler, if it's gallant to apply such a phrase to a member of that slight majority of the world's population, which makes it worth while for the other slight minority to exist at all.

Byrne & Slattery are busy securing material for two aristocratic weddings that come off the first days of next month.

We went round the corner a few days ago and found John Pickleman at home in his fine store on West Chippewa street. This is a much frequented street, the outlet from the fashionable west side to our Main street, where Mrs. Leathersole drives down to do her shopping. John, you have a fine store, and ought to thrive immensely, which no doubt you will.

Mr. Arthur Beyer keeps up a most attractive window at W. J. Palmer's uptown store; never two days alike, best kind of "adv." Arthur was not educated "New Yauak," but he gets there just the same. Mr. Palmer sticks to the old stand, where there is always a steady flow of business.

There is hot rivalry between S. A. Anderson and J. H. Rebstock over cyclamen. A few plants are to be competed for and the loser pays for a supper for the two judges and the two principals. The betting is 11 to 8 in favor of Anderson, with plenty of takers of the odds.

I had the pleasure to call very recently on that really wonderful gardener, Charlie Sandiford, at the J. J. Albright place. It is only a miniature place in size, but it is a little bower of beauty. Cattleya labiata a sheet of bloom, but it was the 'mums we went to see, and they are indeed well done. Many new

and beautiful varieties. Charles has a "walk-over" for several very substantial prizes at the Meldrum show, unless some emperor of the craft steps in, and I do not know then that the Ferry street blooms can be beaten. W. S.

CHICAGO.

The Market.

The horse show has given an impetus to local trade this week, violets and orchids getting the greatest benefit, but all along the line conditions have improved more or less. Perhaps the frosty weather has had as much to do with the change as any other factor, for there is a tone which was lacking as long as the outdoor stock was in the market. Of course the cool weather has served to reduce cuts a little.

There are better supplies of Beauties, but all grades are moving according to their deserts. Good Brides and Maids are not plentiful, but qualities should quickly improve if the bright, crisp weather holds. Carnations are averaging better returns than in the preceding two or three weeks. Chrysanthemums move briskly if not at unusually remunerative prices. Pink is more plentiful; yellow has been abundant for several weeks. The bulk of the stock moves at from \$1.50 to \$2 a dozen. Violets are improving in quality and good prices have been realized for first-class stock, but poor bunches will not sell at all and pull down the averages badly. Valley is plentiful. Asparagus and smilax are in large supply.

Various Notes.

There has been a great call for orchids this week. E. C. Amling had 200 fine cattleyas from an eastern grower and ran short.

Wietor Bros. are preparing to go into the cutting and plant business more heavily than ever before.

Peter Reinberg is at Fox Lake this week, shooting.

Mrs. George R. Scott is recovering from a severe illness with bronchitis.

The E. F. Winterson Co. has been busy this week with a big line of low-priced glass vases.

Crabb & Hunter, of Grand Rapids, have taken a stand in the Exchange. Miss Mulliken is in charge.

November 1 is All Saints' day and the New Orleans shipments promise to be very heavy, as many large orders are booked to go out Friday.

Mrs. F. R. Hills is at home from the hospital and convalescing rapidly after her operation for appendicitis.

The bowlers will meet at P. J. Hauswirth's tonight for their annual election of officers.

George Reinberg on October 26 began propagating for the season of 1904.

Weiland & Risch have a pink sport of Timothy Eaton of which they expect great things. In about ten days they will cut this variety in three colors—white, yellow and pink.

George Piepgras is again on duty at Bentley's, after two months in the hospital.

Burglars visited the home of Mrs. Pieser, mother of the Pieser brothers, of Kennicott's, last Sunday night and made way with all the solid silver.

Major Bonnaffon has made its appearance at Poehlmann's.

J. A. Budlong has been cutting Timothy Eaton in good shape for several days.

N. J. Rupp, of the Moninger Co., has

returned for a three weeks' trip to New Orleans.

W. L. Palinsky has his place in very good shape, all the houses but one having been rebuilt this season.

Jas. Hartshorne has been on the sick list for a few days.

Leonard Kill had a birthday anniversary October 24 and was the recipient of a very fine emblematic K. of C. ring.

The South Parks are planting 50,000 bulbs this week.

The daily papers report that twice within two weeks attempts have been made to burn the greenhouse of John Jensen, 7506 Euclid avenue.

John Pehrson, of Wittbold's force, went to New York a few days ago to meet the girl of his choice on her arrival in this country. They were married in New York.

Percy Jones is salesman for W. S. Garland.

Sinner Bros. report \$1.50 for violets October 27.

Paul Kopanka is now foreman for the Chicago Carnation Co., at Joliet.

Visitors: Philip Breitmeyer and J. F. Sullivan, Detroit; Fred Dorner, Jr., Lafayette, Ind.; Fred H. Lemon, Richmond, Ind.; C. W. Johnson, Rockford, Ill.; Otto Speidel, Oconomowoc, Wis.; W. A. Hartman, South Haven, Mich.; B. Juerjens, Peoria, Ill.; Geo. F. Crabb, Grand Rapids, Mich.; E. N. Kring, Fairbury, Ill.; H. W. F. Goetz, Saginaw, Mich.; Chas. Milhahn, Dolton, Ill.

GARDENING UNDER GLASS

CUCUMBERS, fancy hothouse, are quoted at Chicago at from 50 to 75 cents per dozen.

NEW CASTLE, IND.—Cal. Osborn, who has a fruit farm of five acres, has bought the R. Johnson greenhouse and will remove it to his property, to be used for forcing vegetables.

CUCUMBERS.

Considerable trouble is sometimes experienced in starting the seeds of cucumbers, especially during the short, dull days, through their damping off just after germination has taken place. By careful planting the danger of this trouble may be considerably lessened. By a little study of the seed it will be seen that the embryo breaks through the shell at the pointed or thin end, the root being first emitted. When seeds are carelessly sown the little plant just after germination, is often so awkwardly placed that it is unable to extricate itself and succumbs in the attempt. But if the seeds are planted so that the root and top are free to take their natural course without any handicap, the danger of their dying off is considerably lessened.

A light, sandy compost should be used. The seeds planted singly in small pots, and the pots plunged in a bed with a good bottom heat. The soil should be kept moist, but not over wet, and the atmosphere kept rather close until the seeds have started, but as soon as they are well up, removal to lighter and airier quarters will prevent their becoming drawn. Shade from strong sunlight will be beneficial for a few days, until the plants gain strength

to enable them to stand without wilting. The temperature at which we have found cucumbers to succeed best is 65 degrees by night, with a rise of 15 degrees by day.

The most troublesome insect enemy is red spider and frequent syringings are necessary to keep this in check, but care should be taken not to use too much force, as the foliage is soft and easily lacerated. Both green and black fly sometimes put in their appearance, but if tobacco stems are kept around and changed occasionally when they begin to lose strength, there should not be much trouble from this source. Smoking should never be resorted to if it can possibly be avoided, as it is almost sure to result in damage to the foliage. W. S. CROYDON.

FROM OUR ENGLISH EXCHANGES.

The Gardeners' Chronicle.

NICOTIANA SANDERAE.—One of the most strikingly beautiful plants of the year was raised by Messrs. Sander & Sons, of St. Albans, and exhibited by them at the Temple and elsewhere. N. affinis, with its fragrant white flowers, is a universal favorite. Less well known is a Brazilian species, N. Forgetiana, which bears numerous red flowers. By crossing the two Messrs. Sander obtained a plant of bushy habit, with bold oblong leaves tapering at the base, and a loosely-branched inflorescence bearing a profusion of rosy-carmine flowers.

FLOWERS AT FUNERALS.—For some years past there has been a tendency in Paris, owing to the excessive extent to which the practice has been carried, as elsewhere, to request that no flowers or wreaths should be sent on the occasion of a death. As this custom becomes more popular it will entail considerable loss on the florists. A member of the Societe Nationale d'Horticulture who lately died left a request that no flowers should be sent, and as if to compensate for the loss to trade bequeathed a thousand francs to the society above named.

VICTORIA REGIA.—F. W. Moore, Royal Botanic Gardens, Glasnevin, Dublin, writes: "Two large and fully developed flower buds on the plant of Victoria regia in this garden opened simultaneously, and remained open during the night and also during the following day. One leaf only was developed with these buds, which were on opposite sides of the plant. This is a unique experience in my cultivation of this glorious aquatic, extending now over many years. I have previously only seen one flower open, although a strong bud has frequently been above the water while it was in flower, but this bud would not open for two days after the open flower had withered. Cultivators of the victoria will also know that with each flower a new leaf appears, these young leaves having frequently to be cut out to prevent overcrowding."

NEVADA, MO.—Trade is very good for the time of year. We have no killing frost as yet, so flowers are still blooming outdoors. J. W. Primmer, who has leased the Weltmer greenhouses, reports demand greater than supply. He has a very fine house of Asparagus plumosus that is setting seed nicely. Conditions here seem to be very good for growing asparagus seed, as one heavy crop from these plants has already been marketed.

WRITE US YOUR NEEDS TO-DAY.

Chicago, Ill.

Subject to change without notice.

H. HOUGHTON, . . Peotone, Ill.

NURSERY NEWS.

AMERICAN ASSOCIATION OF NURSEYMEN.

Pres., N. W. Hale, Knoxville, Tenn.; Vice-Pres. F. A. Weber, St. Louis; Sec'y, Geo. C. Senger, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-eighth annual convention will be held at Atlanta, Ga., June, 1904.

E. HURST has purchased the Pritchard nursery at Gentry, Mo.

THE Chase Nursery Co., Corona, Cal., has just finished planting 47,000 orange trees.

THE Callahan Nursery Co., Eu Claire, Mich., has incorporated with \$5,000 capital stock.

THERE is to be a meeting of the S. A. F. peony committee at Philadelphia, November 15.

GEORGE COMPERT, of Los Angeles, Cal., is said to have discovered an insect in southern Europe which preys upon the codlin moth to such good purpose as to practically free apple orchards of the pest.

PITTSBURG.

The Market.

Abundance of stock and very little business was the general complaint the last week. Roses, and Beauties in particular, were a glut and a very large waste on the poorer grades of stock was the result. Carnations and chrysanthemums were in better demand than the week previous. What is needed is good frosty weather to kill the outdoor stuff, which is still very fine. The chrysanthemum is here in large quantities. Robinson, Henderson, October Sunshine, Lady Harriet and Ivory are the fancy varieties which, if good, sell at from \$1 to \$2.50 per dozen. The majority of the stock sells at from \$4 to \$6 per 100.

Notes.

Mrs. E. A. Williams, at a recent wedding decoration, used bay trees, autumn leaves, wild smilax and chrysanthemums. The effect was simply grand and quite unique.

A. W. Smith was very busy with funeral work last week. Among the large orders was one for twelve floral emblems from the American Bridge Builders' Union, costing more than \$400.

One of the most attractive wedding decorations of this season was put up by Randolph & McClements on Thursday, for the Liggett-Armstrong nuptials at Edgeworth.

Last Sunday opened the annual chrysanthemum show at Schenley park. The attendance was very large. Superintendent Burke and his foreman, J. W. Jones, are to be congratulated on their success.

Casper Limbach is erecting a new brick store on Maple street, which will cost \$10,000. He reports that the glass business is very good.

The Pittsburg Cut Flower Co. is receiving some good Beauties from the Rose Co., at Bakerstown.

E. C. Ludwig has secured the decoration for the Scott wedding at West Economy.

Visitors: Geo. Schomer, Connellsville; J. P. Smith and J. E. Black, Grove City. Hoo-Hoo.

The GLENWOOD NURSERIES

EVERGREENS.

The largest and most complete assortment of Specimens, sheared and of natural form. All roots pruned and carefully grown.

Evergreen Trees, Evergreen Shrubs and Vines for window boxes and Winter decorations.

DECIDUOUS TREES.

20,000 Oriental Plane Trees, 6 to 14 feet.

25,000 Oaks, in variety, 6 to 14 feet.

100,000 Maples, in variety, 8 to 18 feet.

Beech, Birch, Ash, Elms, Ginkgo Poplars and other leading varieties.

HEDGE PLANTS.

200,000 California Privet, 1 to 4 feet. The finest grown.

Osage Orange, Berberry Thunbergii, Altheas, etc.

Special Quotations to large buyers. New Trade List now ready.

Descriptive Illustrated Catalogue on application.

THE WM. H. MOON CO., MORRISVILLE, PA.

60 miles from New York.

30 miles from Philadelphia.

Mention the Review when you write.

McCOLGAN BROS. Red Bank, N. J.

Successors to JAMES McCOLGAN & CO.

Offer to the trade a large stock of

California Privet

IN SEVERAL GRADES.

100,000 Ampelopsis Veitchii,

1, 2 AND 3 YEARS.

PRICES ON APPLICATION.

Mention Review when you write

Peterson Nursery,

164 La Salle St., CHICAGO.



PEONIES

And HARDY ORNAMENTAL STOCK.

Write for illustrated price list.

Mention the Review when you write.

W. & T. SMITH COMPANY, GENEVA, N. Y.

Wholesale Growers of **ORNAMENTAL TREES,** Shrubs, Roses, Clematis, Fruit Trees and Small Fruits in great variety

Send for our Wholesale Price List.

Mention the Review when you write.

**MANETTI
ROSE
STOCKS**

Supply limited

Write to-day

Thomas Meehan & Sons, Dreshertown, Pa.

Mention the Review when you write.

You will find **ALL** the
BEST offers **ALL** the time
IN
THE Review's Classified Advs.

FLOWERING SHRUBS.

15,000 Hydrangea Panniculata Grandiflora, 1 to 4 feet.

5,000 Deutzias (Gracilis and Lemoinel) for forcing.

A complete assortment of shrubs of all sizes, including quantities of large shrubs for immediate effect plantings, as well as smaller grades.

Climbing Vines.

5,000 Ampelopsis Veitchii, 1 and 2 years.

20,000 Hall's Japan Honeysuckle.

20,000 Clematis Panniculata.

English and Irish Ivies, Wistarias and other vines.

Crimson Rambler, Wichuriana and other climbing and running roses.

Special Quotations to large buyers. New Trade List now ready.

Descriptive Illustrated Catalogue on application.

THE WM. H. MOON CO., MORRISVILLE, PA.

60 miles from New York.

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Seed Trade News.

AMERICAN SEED TRADE ASSOCIATION.

Pres., S. F. Willard, Wethersfield, Conn.; First Vice-Pres., J. Chas. McCullough, Cincinnati, O.; Sec'y and Treas., C. E. Kendel, Cleveland, O. The 22d annual meeting will be held at St. Louis, Mo., June, 1904.

THERE is record of a recent sale of 3,000 pounds of cucumber seed at 75 cents spot cash.

SIXTY girls employed in the picking room of the Madson Seed Co., Manitowoc, Wis., struck October 26 for higher wages.

A STILL hunt for sweet corn is still being engaged in; a cute hunt for cucumber may also be mentioned, if it will be allowed.

HENRY NUNGESSER & Co., New York, report the red clover market very firm. Alfalfa is scarce and steadily advancing. Bromus inernis is also short.

WITH the pickle men anxious to buy cucumber seed, and the canners looking for sweet corn, the seedsman who is not satisfied with the outlook must be shy on supplies.

If onions will go up to where they should, and cabbage keep on spoiling, there may be a chance to make some money without having all the sweet corn and cucumber there is.

THE Western Seed and Irrigation Co., Frank T. Emerson, manager, expects to be ready by November 15 to remove from Waterloo to Fremont, Neb., where a new building is nearing completion.

THERE seems to be no great shortage on anything in the line of seed staples except sweet corn and cucumber seed. There is no oversupply of anything, either, and from all accounts it looks as though the coming season will be one of uniformly good prices, and a general steady demand as soon as the smaller buyers are convinced that no gold bricks are being offered.

NEW CROP SEED SWEET PEAS.

Blanche Burpee—Pure white.....35c per lb.
 Blanche Ferry—Pink and white.....35c "
 Captain of the Blues—Dark blue.....35c "
 Dark Lavender—Very fine.....50c "
 Countess of Radnor—Pale, fine.....35c "
 Emily Henderson—Fine white.....35c "

Earliest of All—Fine forcer, pink and white.....50c per lb.
 Katherine Tracy—Fine rose.....35c "
 Mont Blanc—Extra fine white, good forcer.....50c "
 Navy Blue.....35c "

The Bride—White.....50c per lb.
 Christmas Forcing—Pink, per 1/4-lb., 40c; 1b. \$1.00. White, per 1/4-lb., 40c; 1b., \$1.00.
 If wanted by mail add at the rate of 10c per lb. for postage.

STUMPP & WALTER CO., 50 Barclay Street, New York City.
 Branch Store, 404 East 34th St.,

Mention the Review when you write.

THE Charlevoix, Mich. Sentinel is authority for the statement that the contract crop of seed peas handled through the Charlevoix warehouse of the D. M. Perry Co., will aggregate 80,000 bushels, representing a value of more than \$100,000.

THE John H. Allan Seed Company, a New York corporation, of which E. M. Parmelee, of Sheboygan, is president, having a capital stock of \$50,000, of which not more than \$25,000 is represented in Wisconsin, has filed articles to operate in that state.

ADVANCE price lists from the east ask fair values for choice stocks. Wax beans are where the old-timers think they ought to be, and altogether wholesale price lists seem to be more in accordance with a fair margin of profit than they have been for some time.

THE market for clover seed is just beginning to show its annual activity. Contract grade is now bringing \$10.65 to \$10.75 per 100 lbs. at Chicago. Experts claim that the crop is going to be considerably smaller than last year, though some states—and Illinois is one of them—report a slightly larger yield.

AMONG the novelties offered this season by Vilmorin-Andrieux & Co., Paris, France, is Cauliflower Incomparable, resembling Autumn Giant, but earlier; Three-Podded pea, resembling the well known French pea, Clamart, largely grown around Paris for canning purposes, early, pods well filled and usually produced in trebles; Globe Artichoke Perpetual, so named because in the south of France it affords heads nearly all the year around, unusually early in any district.

PHILADELPHIA:—The demand for beans from the south is quite heavy, with a very light supply. Orders for some of the most popular varieties have had to be turned down on account of no stock. Much inquiry is being made for cucumber and tomato seed and some of the large planters are already buying their stock for spring's planting. This is evidently a judicious move on their part. Just what to do for vine seeds is a very perplexing question. Really good Colorado grown Rocky Ford canteloupe seed is not going to be so cheap after all. Much of the seed gathered from melons spoiled for fruit by early frost has been found to have sprouted in the fruit and the subsequent cleansing process has removed all traces of the sprout and the seed to all appearances looks perfect, although valueless for seed. This seed is being offered by some sources as low as 10 cents per pound. A strictly reliable grade is worth from 200 to 300 per cent higher. All fields of large and late maturing melons planted in the vicinity of Philadelphia were a complete loss. All lines of bulbs are moving very rapidly and it looks as though stocks will be cleaned up before the end of the season.

SURPLUS BULBS.

SINGLE HYACINTHS for Bedding or Forcing, Light Blue, Pink and Pure White, \$2.75 per 100; \$23.00 per 1000.
NARCISSUS TRUMPET MAJOR.....\$7.50 per 1000
NARCISSUS VON SION, good forcing grade.....12 00 "
ROMAN HYACINTHS, 12 to 15 cms.....25.00 "
CALLA ETHIOPICA, 5 1/2 to 7-inch circumference.....8.00 per 100
HARRISII LILY, 5 to 7-inch.....3 50 "
PARROT TULIPS, best mixture.....7.00 per 1000
CHINESE NARCISSUS.....per basket, 30 bulbs, \$1.25
 Per bale, 4 baskets (120 bulbs).....4.25

THE STORRS & HARRISON CO., PAINESVILLE, OHIO.

Mention Review when you write

Burpee's Seeds Grow

SEEDS

THE ALBERT DICKINSON CO.

Timothy, Clovers, Flax, Hungarian, Millets, Red Top, Blue Grass, Lawn Grass, Orchard Grass, Pasture Mixtures, Bird Seeds, ENSILAGE CORN, POP CORN, BUCKWHEAT, BEANS, PEAS, ETC. COTTON GRAIN BAGS. CHICAGO ILL.

RAFFIA!

We carry a large assortment of COLORED RAFFIA GRASS on hand for immediate delivery.

Every strand is dyed its entire length. Samples free.

R. H. COMEY CO., Dyers,
 CAMDEN, N. J.



LONGIFLORUMS,
HARRISII,
FREESIA, OXALIS,
CALLAS.
 Now ready for delivery.

Annual Trade List of **BULBS** sent on application
W. W. RAWSON & CO., Seedsmen
 12 and 13 Faneuil Hall Square, BOSTON.
 Mention the Review when you write.

VREDENBURG & CO.
 ROCHESTER, N. Y.

Lithographing, Printing, Engraving,
 Binding exclusively for **FLORISTS,**
SEEDSMEN and **NURSERYMEN**
 Sample Colored Plates free—Send for Catalogue
 UNEQUALLED FACILITIES
 Mention the Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers.

ESTABLISHED 1802.

Thorburn's
Bulbs

Our Wholesale Catalogue of Bulbs and Flower Seeds for Florists now ready.

We offer limited surplus of

Lilium Harrisii, 5 to 7 inch size,

\$2.50 per 100; \$22.00 per 1000.
 Cash with order.

Expected soon and are booking orders now for
ASPARAGUS PLUMOSUS ROBUSTUS

Which grows more rapidly, yields more sprays for cutting and is by far more valuable for florists than any other sort.
 \$1.00 per 100 seeds; \$9.00 per 1000 seeds.

J. M. THORBURN & CO.

36 Cortlandt St., NEW YORK.

Mention the Review when you write.

BULBS FOR FORCING and BEDDING.

BEST GRADES ONLY.

Write for special prices.

W. C. BECKERT, - ALLEGHENY, PA.
 Mention Review when you write.

**SAMUEL S. PENNOCK,
VALLEY.**

On and after October 1st
we are open from
7:30 a. m., until 8 p. m.

Wholesale Florist,
1612 Ludlow St., PHILADELPHIA.

Pittsburg Cut Flower Co. Ltd.

**CHRYSANTHEMUMS, CARNATIONS,
ROSES AND VALLEY.**

**WHOLESALE FLORISTS,
504 Liberty Ave., Pittsburg, Pa.**

Mention Review when you write.

SAN FRANCISCO.

The Market.

We have the American Association of Bankers with us this week and there has been quite a demand for decorative stuff in consequence. The reception by the California State Board of Trade on Tuesday was a very elaborate affair and a large quantity of flowers was used. Business is very fair, considering the abundance of flowers. There have been a goodly number of weddings during the past week and a fair amount of funeral work has added to the volume of trade. Mums are in splendid shape and can be had at almost any price. Bunches containing a dozen large, perfect flowers nicely mixed with wild ferns can be bought on any of the street corners for 10 cents. This is rather demoralizing to the store trade but stock is moving fairly well all around and I do not hear many complaints. Carnations are plentiful as most of the growers are cutting from their new stock. Many of the flowers, however, come into the market with very weak stems. I am inclined to think that a great many of the young plants have been allowed to run up and flower during the present warm spell when it would have been better had they been pinched back and only allowed to bloom when the days and nights become much cooler. The wholesale price of carnations has advanced from 5 to 10 cents per dozen during the last week. Roses are still backward and command very fair prices. Cosmos, gailardias and marigolds are on the wane and gladioli have entirely disappeared. Violets are in fair supply but are weak of stem and small of flower and it is impossible to keep them longer than a few hours after they are picked.

Notes.

It is wonderful, when one stops to consider, the inroads into our pet calling made by the Japanese gardeners. The Chinaman have been content to grow outside stock exclusively, but the Japs are devoting themselves to greenhouse work almost exclusively. One of the largest plants on this coast is owned by Domoto Bros., at Fruitvale and Fitchburg. They have in all about twenty houses devoted to palms, ferns, 'mums, carnations and roses. In Elmhurst and Fruitvale another Japanese firm has ten houses devoted to carnations and 'mums. At Berkeley two firms have about ten houses and all of these have been started in the last few years. The Japs have not as yet turned their attention to roses to any great extent but we expect to see them interested in this branch of the business in another year or two. G.

**Peter Reinberg
51 Wabash Ave., CHICAGO.
WHOLESALE
Cut Flowers.**

**LARGEST GROWER
IN THE WORLD.....**

1,000,000 SQUARE FEET OF GLASS

Current Price List.

	Per Doz.
AM. BEAUTIES, 30-36 in. stems, \$3.00 to \$4.00	
" " 20-24 " 2.50	
" " 15-18 " 1.50 to 2.00	
" " Short stems... .75 to 1.00	
	Per 100
CHATELAIN.....	\$4.00 to \$8.00
LIBERTY.....	4.00 to 8.00
SUNRISE.....	4.00 to 8.00
BRIDE.....	4.00 to 6.00
BRIDESMAID.....	4.00 to 6.00
GOLDEN GATE.....	4.00 to 6.00
PERLE.....	3.00 to 5.00
CARNATIONS.....	1.50 to 2.00
ROSES, OUR SELECTION.....	3.00 to 5.00

All flowers are perfectly fresh and properly packed.
No charge for P. & O. on orders over \$5 00.

**Lake View
Rose Gardens**

Wholesale Growers and Dealers in

**Carnations, Cut Flowers
Roses, and Supplies.
American Beauties,
Chrysanthemums, Lilies, Smilax
and Asparagus. 75,000 Cut Bloom
Chrysanthemums.**

JAMESTOWN, N. Y.

Mention Review when you write.

MACOMB, ILL.—S. T. Danley has installed a new boiler with a capacity for heating 11,000 square feet of glass.

TWO RIVERS, WIS.—L. C. Hartung has completed a new residence and a large greenhouse for miscellaneous plants and vegetables.

PETOSKEY, MICH.—S. J. Long, proprietor of the Northern Michigan Floral Co., is planning to build a new house seventy-five feet long and an extension of twenty-five feet on an old house for ferns.

**Grown Right
Cut Right
Packed Right
Shipped Right
Priced Right
ALL RIGHT
Winterson's
CUT FLOWERS**

**Special Offer!
1,000 PALMS
Kentia Belmoreana**

5-inch pots, 20 to 24 inches high.

QUALITY EXTRA.

Per doz., \$8.00; per 100, \$84.00.

The best value in the country. We can prove this by a sample lot, which can be returned and we pay freight both ways if not as advertised.

Also a fine line of **Latanias**. They are the best sellers. Write for prices.

Complete line of French and Dutch Bulbs.

Catalogue Free.

Do you get our Cut Flower List?

**E. F. Winterson Co.
MODERN SUPPLY HOUSE,
45, 47, 49 Wabash Ave.
CHICAGO.**

Always mention the Florists' Review when writing advertisers.

LEO NIESSEN.

Beauties, Liberties, Valley

Chrysanthemums

WHOLESALE FLORIST, 1217 ARCH ST., PHILADELPHIA.

Open from
7 a. m. to
8 p. m.

Mention the Review when you write.

\$2.75
per 100

SELECTED
SINGLE.
DOUBLE.
FOR BEDDING OR FORCING.

Dutch Hyacinths

\$26.00
per 1000

250 bulbs at 1000 rate.

Separate colors—Pink, Red, White, Blush White, Blue and Yellow, 40c doz.; \$2.75 a 100; \$26.00 a 1000
BURBANK'S GIANT SHASTA DAISYper 100 seeds, 20c; per 1000 seeds, \$1.25
NEW CROP SWEET PEAS, standard sorts for forcing....10c per ¼ lb.; 80c per lb.; 5 lbs., \$1.25

Fresh Importation Mushroom Spawn. Write for prices.

JOHNSON & STOKES, 217 and 219 Market St., PHILADELPHIA, PA.

Mention the Review when you write.

If you want MUMS, Carnations or Roses, write, phone or wire

EUGENE BERNHEIMER,

WHOLESALE FLORIST, 11 So. 16th St., PHILADELPHIA.

Mention the Review when you write.

Maplewood Cut Flower and Plant Co. GEO. M. KELLOGG, Pres.

Growers of CUT FLOWERS at Wholesale.

Regular shipping orders given special attention. We have the largest plant west of Chicago.

Store: 906 Grand Ave., KANSAS CITY, MO.

Greenhouses: Pleasant Hill, Mo.

Mention the Review when you write.

....THE....

COTTAGE GARDENS

Wholesale Florists,

QUEENS, - L. I., N. Y.

Mention the Review when you write.

THE E. G. HILL CO.

Wholesale Florists,

RICHMOND, INDIANA.

Mention Review when you write.

Specimen Plants...

PANDANUS VEITCHII.

in 7, 8, 9 and 10-inch pots, at \$1.50 to \$5.00 each. The 9 and 10-inch are pedestal grown.

JOHN WELSH YOUNG,

Upsal Station, Penna. R. R.

GERMANTOWN, PHILADELPHIA.

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GROWER OF

Palms, Etc.

Send for Price List.

HOLMESBURG, PHILADELPHIA, PA.

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The Florists' Manual

Tells You What You Want to Know in the Way You Want to be Told.

Wholesale Cut Flower Prices.

Philadelphia, Oct. 28.

	Per doz.
Beauties, Specials.....	\$ 2.50 to \$4.00
Extra.....	1.50 to 2.00
No. 1.....	1.00 to 1.25
Queen of Edgely, No. 1.....	2.00 to 2.50
No. 2.....	1.00 to 1.50
Per 100	
Brides and Bridesmaids, No. 1.....	4.00 to 6.00
No. 2.....	2.00 to 3.00
Golden Gate, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Kaiserin, Firsts.....	5.00 to 8.00
Seconds.....	2.00 to 4.00
Liberty, Firsts.....	6.00 to 12.00
Seconds.....	3.00 to 5.00
Meteor, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Perle.....	2.00 to 4.00
Sunrise.....	3.00 to 5.00
Ideal.....	4.00 to 6.00
Orchids—Cattleyas.....	40.00
Cypripediums.....	20.00
Carnations, Commons.....	1.00 to 1.50
Selects.....	2.00 to 2.50
Fancy.....	3.00 to 4.00
Adiantum Cuneatum.....	1.00
Asparagus Plumosus, Strings.....	35.00 to 50.00
Bouvardia.....	2.00 to 2.50
Cosmos.....	.25 to .50
Chrysanthemums, Ordinary.....	4.00 to 8.00
Fancy.....	15.00 to 25.00
Dahlias, Common.....	.50 to .75
Fancy.....	1.00 to 2.00
Daisies, Yellow.....	1.00
Lily of the Valley.....	8.00 to 5.00
Smilax.....	10.00 to 15.00
Sweet Peas.....	1.00
Violets, ordinary.....	.25 to .40
Extra.....	.50 to .75

HERE is another dollar; I am a beginner and I could not do without the REVIEW.—D. H. Cook, Easton, Md.

EDWARD REID,

WHOLESALE FLORIST.

Beauties, Kaiserins, Chrysanthemums, Valley.

1526 Banstead St., PHILADELPHIA.

Store closes at 8 p. m.

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Chrysanthemums!

1432 South Penn Square, Philadelphia.

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Wholesale Florists,

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Violets, Carnations, Roses, Valley.

Bell—Phones—Keystone.

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128 N. 6th Street, MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

WILD SMILAX—Flowers billed at market prices.

Shippers of Choice Cut Flowers and Greens of all kinds. Try us.

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HOLTON & HUNKEL CO.

WHOLESALE FLORISTS.

MILWAUKEE, - WIS.

The F. R. Williams Co.

Wholesale Florists...

CLEVELAND, - OHIO.



Cheap Roses

The kind you use for making up.

In addition to the great quantity of **EXTRA FINE STOCK** we always have, we also have a surplus of the shorter stem kinds. **Fine buds but short stem.** We would make a few contracts to furnish a given number weekly of these at a low price. Write us about it.

HELLER BROS.

South Park Floral Co., NEW CASTLE, IND.

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Charles Millang, New York

We are headquarters
for every kind of Cut
Flowers in their season.

"THE LILY KING."

Reasonable Prices.
Square Dealing.
Out-of-town florists promptly attended
to. Telephone for what you want.
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SHIPPING ON COMMISSION.
Tel. 2034 and 2239 Madison Square.

Established 1891.
GEO. E. BRADSHAW. JOHN R. HARTMAN.
BRADSHAW & HARTMAN,
Wholesale Florists,
53 West 28th Street, NEW YORK.
Telephone 1239 Madison Square.
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JAMES McMANUS, 752 Madison Square, 50 W. 30th St., NEW YORK
Telephons. Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND.
ORCHIDS A SPECIALTY.
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WHOLESALE COMMISSION,

The largest commission house in America for
Roses, Violets and all other varieties of Cut Flowers.

57 W. 28th Street, NEW YORK.

Telephone 2200 Madison Square,

My large shipping trade enables me to command the highest prices, which ring, connects you with all our **TELEPHONES**.
Special arrangements this season for the extensive handling of American Beauties.

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THE PIONEER HOUSE
Open every day at 6 a. m.

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106 W. 28th Street, New York City
We ship all over the United States. Consignments realize with
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WALTER F. SHERIDAN, CUT FLOWERS

Wholesale Commission Dealer in
39 West 28th St., NEW YORK.
(Established 1882)
Receiving Extra Quality American Beauties
and all other varieties of Roses.
Telephone 902 Madison Square. Carnations.
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Cut Flower Exchange.
OPEN ALL DAY!
AN UNEQUALLED OUTLET FOR CONSIGNED FLOWERS.
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Tel. 854 Madison Sq.
Consignments receive conscientious and prompt
attention. Highest market price guaranteed.
The finest stock in the market always on hand.
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SLINN & HUGHES

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Coogan Building,
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VIOLETS and SWAINSONA our specialties.
Shipping orders receive prompt attention.
Mention the Review when you write.

Always mention the Florists' Review
when writing advertisers.

Wholesale Cut Flower Prices.

New York, Oct. 28.

	Per 100
Beauties, Specials	\$10.00 to \$25.00
" Extra	8.00 to 10.00
" No. 1	4.00 to 6.00
" Shorts	1.00 to 3.00
Brides and Maids, Specials	4.00 to 6.00
" Extra	2.00 to 4.00
" No. 1	1.00 to 2.00
" No. 2 .....	.50
Golden Gate	2.00 to 4.00
Liberty	2.00 to 8.00
Meteor	1.00 to 3.00
Cattleyas	15.00 to 25.00
Carnations, Common .....	.50 to .75
" Selects	1.00 to 2.00
" Fancies	2.00 to 3.00
" Novelties	3.00 to 4.00
Chrysanthemums	4.00 to 25.00
Violets, Ordinary .....	.25 to .50
Adiantum cuneatum .....	.25 to .50
" Crowneum .....	.75 to 1.00
Asparagus plumosus, Strings	35.00 to 50.00
Dahlias .....	.50 to 1.00
Lilium Harrisii	5.00 to 8.00
Lily of the Valley	1.00 to 3.00
Mignonette, Ordinary .....	.50 to 1.00
Smilax	5.00 to 8.00
Tuberose	50.00 to 80.00

Arbitrary quotations at this season are impossible. The best one can do is to try and strike an average, leaving a reasonable margin on each side for special shortages or floods. Just at present the flood is like Noah's and about covers everything in sight. Some "cleanings up" were made last week that would justify the blush of the rose, while 'mums and carnations were unloaded in large lots at prices it would be a shame to mention.

GEO. SALTFOORD,

Author of "HOW TO MAKE MONEY GROWING VIOLETS."
WHOLESALE FLORIST,
46 West 29th Street, NEW YORK CITY.
Telephone No. 3393 Madison Sq.
CONSIGNMENTS OF ALL FIRST-CLASS FLOWERS SOLICITED.
VIOLETS our specialty.

GALAX.

Bronze or Green,
75c per 1000 in 2000
lots or more.

Leucothoe Sprays, Green, 90c per 100.
Southern Smilax, fresh stock, per 50-lb. case,
\$6.00; per 25-lb. case, \$3.50.
Green Sheet Moss, choice stock, \$2.50 per
barrel sack.
Sphagnum Moss, \$1.75 per large bale.
Florists' Supplies of every
description.

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TEL. 597 MADISON SQUARE.

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51 W. 28th St., NEW YORK.
Tel. 1905 Madison Sq.

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CATTLEYA
LABIATA
and all other choice
Orchids in season.
Everything in Cut Flowers—the best in the market
Mention Review when you write.

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Send for Quotations
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Wholesale Florists,
Strictly Wholesale, 34 W. 29th Street,
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The New York Cut Flower Co.

55 and 57 West 26th Street,
WHOLESALE FLORISTS.
Daily Reports. Weekly Payments.
Tel. 756 Madison Sq. J. A. MILLANG,
Manager.

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Alfred H. Langjahr

Wholesale Commission Florist,
55 West 28th St., NEW YORK.
BROOKLYN STORE, 19 Boerum Place,
Telephone 939 Main.
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Florists' Review
When Writing Advertisers

The Philadelphia Wholesale Flower Market.

The FINEST BEAUTIES in Philadelphia.

Finest Double Violets in the City. Chrysanthemums.

OPEN FROM 7:00 A. M. TO 6:00 P. M. 1228 CHERRY STREET, PHILADELPHIA.
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ALEX. J. GUTTMAN,
Wholesale Florist.
Special conveniences for both Wholesale and Retailers this season. None better in the country.
52 West 29th Street, New York
Telephone 1738 Madison.
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FRANK MILLANG,
CUT FLOWER EXCHANGE,
Coogan Building,
55-57 W. 26th St., NEW YORK CITY.
Phone 299 Madison Sq.
OPEN FROM 6:00 A. M. TO 6:00 P. M.
Everything for the Florist in Seasonable Flowers all the year around.
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ESTABLISHED 1872.
John J. Perkins
WHOLESALE and COMMISSION FLORIST,
115 West 30th St., NEW YORK.
Telephone No. 956 Madison Sq.
WANTED a few more reliable growers of Carnations and Violets. Only first-class stock handled.
BRANCH STORE, 48 West 30th St., New York. R. W. PERKINS, Manager.
Consignments Solicited. Quick returns to Shippers. Highest Market Prices Guaranteed.
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N. LECAKES & CO.
45 West 29th St., NEW YORK
Tel. No. 1214 Madison Sq.
and
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Tel. 1797 Madison Sq.
Stands at Cut Flower Exchange Coogan Bldg., W. 26th St., and 34th Street Cut Flower Market.
— SPECIALTIES —
GALAX LEAVES, FERNS and LEUCOTHOE SPRAYS.
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HARDY CUT FERNS.
Write for Prices.

FANCY

DAGGER
L. B. BRAGUE,
Oldest, largest and most reliable dealer in the U. S.
HINSDALE, MASS.
Mention the Review when you write.

Wholesale Cut Flower Prices.

Buffalo, Oct 28.

	Per 100
Beauties, Specials.....	\$20.00 to \$25.00
Extra.....	10.00 to 15.00
No. 1.....	6.00 to 8.00
Shorts.....	1.00 to 3.00
Brides and Maids, Extra.....	6.00 to 8.00
No. 1.....	4.00 to 5.00
No. 2.....	2.00 to 3.00
Carnot.....	2.00 to 3.00
Cusin.....	2.00 to 3.00
Golden Gate.....	2.00 to 3.00
Kaiserin.....	2.00 to 3.00
Liberty.....	2.00 to 3.00
Meteor.....	2.00 to 3.00
Mrs. Morgan.....	2.00 to 3.00
Perle.....	3.00 to 5.00
Sunrise.....	2.00 to 4.00
Orchids—Cattleyas.....	50.00 to 60.00
Carnations, Common.....	.75 to 1.00
Selects.....	1.25 to 2.00
Fancies.....	2.50 to 3.00
Adiantum Cuneatum.....	.50 to 1.00
Farleyense.....	8.00 to 10.00
Asparagus plumosus, Strings.....	40.00 to 50.00
Sprays.....	1.00 to 2.00
Sprengeri.....	1.00 to 3.00
Chrysanthemums, Ordinary.....	5.00 to 10.00
Fancy.....	12.50 to 20.00
Dahlias.....	1.00 to 2.00
Gladiolus.....	1.00 to 2.00
Lilium Speciosum.....	2.00 to 5.00
Longiflorum.....	15.00
Lily of the Valley.....	2.00 to 5.00
Smilax.....	12.50 to 15.00
Sweet Peas.....	.75 to 1.00
Violets, ordinary.....	.40 to .50
extra.....	.60 to .75
Galax.....	.10 to .15
Common Ferns.....	.10 to .15

We like your paper very much.—HOFFMEISTER FLORAL Co., Cincinnati.

IN OUR classified ads. you can find everything you want all the time.

ANONYMOUS queries cannot receive attention. Names and addresses are necessary.

We feel that we could not get along without the REVIEW, as it gives us valuable information we need every day in our business.—ADGATE & SON, Warren, Ohio.

THERE is no paper that comes to me which is read with more real interest and benefit than your excellent publication, and I trust it may remain with us long, and continue to improve.—WM. M. LINDSAY, Birmingham, Ala.

We are headquarters for HARDY CUT FERNS!

Fancy or Dagger, 75c per 1000. Contracts made to supply the year around. Use our Laurel Festooning. It's the best decorative material to be found, we make it fresh daily. 4c. 5c and 6c per yd. Bargains in Galax, A No. 1 quality, Bronze or Green, 75c per 1000 in 10,000 lots. Mosses, &c. Send us your wants and be well satisfied.


MILLINGTON, MASS.
Tel. Office, New Salem.
Long distance telephone connections.

TOP GRADE FOR SHIPPING.

AMERICAN BEAUTY, BRIDESMAID, BRIDE, LIBERTY, METEOR, LILY OF THE VALLEY, CARNATIONS.
JOHN I. RAYNOR,
49 West 28th St., NEW YORK.
Telephone 1998 Madison Square.
Mention the Review when you write.

FRANK H. TRAENDLY. CHARLES SCHENCK.
TRAENDLY & SCHENCK,
Wholesale Florists
AND CUT FLOWER EXCHANGE
38 W. 28th St., NEW YORK
Telephones 798 and 799 Madison Square. CONSIGNMENTS SOLICITED.
Mention the Review when you write.


Hicks & Crawbuck,
Wholesale Florists and Dealers in Florists' Supplies,
108 Livingston Street, BROOKLYN, N. Y.
Tel. 3660-3661 Main.
Mention The Review when you write.

FORD BROS.
111 W. 30th Street, NEW YORK.
Telephone 157 Madison Square.

The LARGEST SHIPPERS AND RECEIVERS OF **Fresh Cut Flowers**
A complete assortment of the best in the market can always be relied upon.
Mention Review when you write.

AUGUST MILLANG,
Wholesale Commission dealer in **Cut Flowers**
55-57 W. 26th St., NEW YORK CITY.
Coogan Building.
Violets and Carnations our specialties.
Tel. No. 299 Madison Square.
Mention the Review when you write.

National Florists' Board of Trade
NEW MANAGEMENT. Tel. Call. 656 John.
HARRIS H. HAYDEN (late manager of the Nepera Chemical Company). - - President
EDWARD MCK. WHITING, Vice-Pres. and Counsel
JOHN E. WALKER (Member of the New York Bar). - - Secretary and Treasurer
56 Pine St., Wallace Bldg., NEW YORK CITY
Rooms 601-603
Mention the Review when you write.

The Florists' Manual

Is a book that you need in your business.
If you haven't a copy already, order one now.

Wholesale Cut Flower Prices.

Chicago, Oct. 28.

	Per doz.
Beauties, 36-inch stems.....	\$4.00
" 30 "	3.00
" 24 "	2.50
" 20 "	2.00
" 15 "	1.50
" 12 "	1.00
Shorts .....	.75

	Per 100
Bridesmaids, Specials.....	\$4.00 to \$6.00
" Firsts	2.00 to 3.00
Brides, Specials.....	4.00 to 6.00
" Firsts	2.00 to 3.00
Kaiserin	3.00 to 10.00
Liberty, Specials	10.00 to 12.00
" Firsts	6.00 to 8.00
" Seconds	3.00 to 5.00
Golden Gate, Firsts	4.00 to 6.00
" Seconds	2.00 to 3.00
Meteor, Firsts	4.00 to 6.00
" Seconds	2.00 to 3.00
Mme. Chateauf, Firsts	6.00 to 8.00
" Seconds	3.00 to 5.00
Carnot, Firsts	6.00 to 10.00
" Seconds	3.00 to 4.00
Ivory, Firsts	4.00 to 5.00
" Seconds	2.00 to 3.00
Sunrise, Firsts	4.00 to 6.00
" Seconds	2.00 to 3.00
Perles, Firsts	4.00 to 5.00
" Seconds	2.00 to 3.00
Carnations, Fancy.....	1.50 to 2.50
" Commons.....	.75 to 1.50
Violets.....	.75 to 1.50
Chrysanthemums, \$1.00 to \$3.00 doz.	
Easter lilies, \$2.00 doz.	
Callas, \$1.50 per doz.	
Valley	4.00 to 5.00
Tuberose	4.00 to 5.00
Adiantum cuneatum.....	.75 to 1.00
Asparagus plumosus, Strings.....	25.00 to 50.00
" Sprays.....	2.00 to 3.00
Asparagus Sprengeri, Sprays.....	3.00 to 6.00
Smilax.....	\$1.25 to \$1.50 per doz.
Common ferns, per 1000, \$1.50.	
Galax Leaves, \$1.00 to \$1.50 per 1000	

Pittsburg, Oct. 28.

	Per 100
Beauties, Specials.....	\$20.00 to \$25.00
" Extra	12.00 to 15.00
" No. 1.....	6.00 to 8.00
" Shorts.....	2.00 to 4.00
Brides and Maids, Specials.....	4.00 to 6.00
" Extra.....	4.00 to 5.00
" No. 1.....	2.00 to 3.00
" No. 2.....	.50 to 1.00
Cusin.....	1.00 to 3.00
Golden Gate.....	1.00 to 3.00
Kaiserin.....	2.00 to 8.00
Liberty.....	2.00 to 6.00
Mrs. Morgan.....	1.00 to 3.00
Sunrise.....	1.00 to 2.00
Carnations, Common.....	1.00 to 1.25
" Selects	1.25 to 2.00
" Fancy.....	2.00 to 2.50
Adiantum Cuneatum.....	1.00
Asparagus plumosus, Strings.....	30.00 to 50.00
" Sprengeri, Sprays.....	2.00 to 3.00
Asters.....	.50 to .75
Chrysanthemums, ordinary.....	3.00 to 6.00
" fancy.....	8.00 to 20.00
Dahlias.....	1.00 to 1.25
Gladiolus.....	1.00 to 4.00
Lily of the Valley.....	8.00 to 4.00
Smilax.....	10.00 to 12.50
Sweet Peas .....	.75 to 1.00
Violets, ordinary.....	.10 to .15
" Extra.....	.25 to .50

WHITE PLAINS, N. Y.—Albert Wadley, who was so seriously injured in the Park avenue tunnel wreck, sued the New York Central railroad for \$100,000 damages and is reported to have settled for \$35,000.

YOUR classified ads. are certainly very productive of results. —WM. BIERSTADT & SON, Springfield, Ill.

THE REVIEW does the selling but it seems strange that this time most of the orders have come from the east and south. —JOSEPH HEINL, Jacksonville, Ill.

Lily of the Valley**H. N. BRUNS,**1409 W. Madison St., **CHICAGO.**

Mention Review when you write.

E. H. HUNT

THE "OLD RELIABLE" FOR

Wholesale Cut Flowers

Hunt's Flowers Go Everywhere.

76 Wabash Ave. **CHICAGO.**

Mention the Review when you write.

Bassett & Washburn76 Wabash Ave., **CHICAGO, ILL.****WHOLESALE GROWERS OF AND DEALERS IN CUT FLOWERS**

Greenhouses at Hinsdale, Ill.

Mention Review when you write.

A. L. RANDALL,
Wholesale FloristDon't forget we are at
19 and 21 **RANDOLPH ST., CHICAGO.**

Write for special quotations on large orders.

Mention Review when you write.

BRANT & NOE**FLORAL COMPANY,**58-60 Wabash Ave., **CHICAGO.**Wholesale Growers of Cut Flowers.
Regular standing orders solicited.
Every facility for prompt shipment.**JOHN MUNO,****WHOLESALE GROWER OF Cut Flowers,**51 Wabash Avenue, - - **CHICAGO.**GREENHOUSE, ROGERS PARK, ILL.
Telephone Central 3598.

Mention Review when you write.

SINNER BROS.**Wholesale Growers and Shippers of CUT FLOWERS**
58-60 WABASH AVE., **CHICAGO, ILL.**With the Flower Telephone—
Growers' Co. Central 3067.
All telephone and telegraph orders
given prompt attention.

Mention the Review when you write.

FRANK GARLAND,**Wholesale Grower of Cut Flowers.**Special attention given to Hardy Cut **FERNS.**55-57 Wabash Avenue, **CHICAGO, ILL.**
Telephone Central 3284.

Mention Review when you write.

J. A. BUDLONG37-39 Randolph Street **CHICAGO.****Roses and Carnations**
A Specialty....**WHOLESALE GROWER OF****CUT FLOWERS****WIETOR BROS.****Wholesale Growers of.. Cut Flowers**All telegraph and telephone orders
given prompt attention.51 Wabash Avenue, **CHICAGO.**

Mention the Review when you write.

GEORGE REINBERG,

51 Wabash Ave., Chicago,

WHOLESALE DEALER IN AND GROWER OF CUT FLOWERSTwo daily shipments from my greenhouses.
Fresh Stock always ready for orders.
Write, wire or phone. Quick Service Given.**WEILAND & RISCH****WHOLESALE GROWERS AND SHIPPERS OF**

59 WABASH AVE.

CUT FLOWERS**CHICAGO****Poehlmann Bros.****Wholesale Growers of and Dealers in****Cut Flowers.**All telegraph and telephone orders given prompt
attention. Greenhouses: Morton Grove, Ill.35-37 Randolph Street, **CHICAGO, ILL.**

Mention the Review when you write.

Lily of the Valley

of good quality always on hand.

AUGUST JURGENS,134 to 144 Herndon St., **CHICAGO.**

Mention Review when you write.

BENTHEY & CO.35 Randolph Street, **CHICAGO.****F. F. BENTHEY, Manager. Wholesale and**
Consignments Solicited. Commission**FLORISTS**

Mention Review when you write.

MICHIGAN CUT FLOWER EXCHANGE.

WM. DILGER,
Manager.

WHOLESALE FLORISTS AND CUT FLOWER COMMISSION.

Full line of FLORISTS' SUPPLIES and SUNDRIES.

All CUT FLOWERS in season. Send for Weekly Price List.

1,000,000 FANCY FERNS, \$1.00 per 1000. 200,000 Bronze GALAX, 26 Miami Ave., Detroit, Mich.
\$1.00 per 1000 in 5000 lots; \$9.00 per case of 10,000.

Wholesale Cut Flower Prices.

Detroit, Oct. 28.

	Per 100
Beauties, Specials.....	\$25.00
Extra.....	20.00
No. 1.....	15.00
Shorts.....	5.00 to 10.00
Brides and Maids, Specials.....	6.00
Extra.....	5.00
No. 1.....	4.00
No. 2.....	3.00
Cusin.....	3.00 to 6.00
Golden Gate.....	4.00 to 6.00
Kaiserin.....	4.00 to 8.00
Meteor.....	4.00 to 6.00
Perle.....	4.00 to 6.00
Cattleyas.....	50.00
Cypripediums.....	25.00
Carnations, Common.....	1.00
Selects.....	2.00
Fancies.....	2.00 to 3.00
Adiantum Cuneatum.....	1.00
Asparagus plumosus, Strings.....	40.00 to 60.00
Sprengerl, Sprays.....	2.00 to 6.00
Callas.....	12.50
Chrysanthemums, ordinary.....	4.00 to 8.00
fancy.....	10.00 to 25.00
Lilium Harrisii.....	12.50 to 15.00
Lily of the Valley.....	4.00 to 5.00
Smilax.....	12.50 to 15.00
Violets, ordinary.....	.50 to .75
Galax.....	.15
Common Ferns.....	.10

Cincinnati, Oct. 28.

	Per 100
Beauties, Specials.....	\$35.00
Extra.....	20.00 to 30.00
No. 1.....	12.50 to 15.00
Shorts.....	4.00 to 6.00
Brides and Maids, Extra.....	5.00
No. 1.....	4.00 to 5.00
No. 2.....	2.00 to 3.00
Cusin.....	2.00 to 6.00
Golden Gates.....	2.00 to 6.00
Kaiserin.....	2.00 to 6.00
Liberty.....	2.00 to 5.00
Meteor.....	2.00 to 5.00
Perle.....	2.00 to 5.00
Sunrise.....	2.00 to 6.00
Carnations, Commons.....	1.00
Selects.....	1.50 to 2.00
Fancies.....	2.50 to 3.00
Adiantum Cuneatum.....	.50 to 1.50
Asparagus plumosus, strings.....	35.00 to 50.00
Sprengerl, sprays.....	4.00 to 6.00
Sprengerl.....	3.00 to 4.00
Callas.....	8.00 to 10.00
Chrysanthemums, ordinary.....	6.00 to 10.00
fancy.....	12.50 to 20.00
Lily of the Valley.....	2.00 to 4.00
Smilax.....	12.50 to 15.00
Violets, ordinary.....	.50 to .75
Extra.....	1.00
Galax.....	.15
Leucothoe.....	.50
Common Ferns.....	.15

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Extra.....	2.00 to 2.50
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No. 1.....	1.00 to 2.00
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Kaiserin.....	4.00 to 5.00
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Perle.....	3.00 to 4.00
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Carnations, Commons.....	.75 to 1.00
Selects.....	1.00 to 1.50
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Adiantum Cuneatum.....	1.00 to 1.25
Adiantum Farleyense.....	1.00 to 1.25
Asparagus plumosus, Strings.....	35.00 to 50.00
Sprengerl, Sprays.....	1.00 to 1.50
Sprengerl.....	1.00 to 1.50
Callas.....	12.50 to 15.00
Chrysanthemums, Ordinary.....	4.00 to 6.00
Fancy.....	12.50 to 25.00
Lily of the Valley.....	3.00 to 5.00
Smilax.....	12.50 to 15.00
Tuberose.....	3.00 to 4.00
Violets, ordinary.....	.25 to .35
Galax.....	.15
Common Ferns.....	.15

Milwaukee, Oct. 28.

	Per 100
Beauties, Extra.....	\$15.00 to 18.00
No. 1.....	10.00 to 12.50
Shorts.....	4.00 to 6.00
Brides and Maids, Specials.....	5.00
Extra.....	4.00
No. 1.....	3.00
No. 2.....	2.00
Golden Gate.....	4.00 to 5.00
Kaiserin.....	4.00 to 5.00
Meteor.....	4.00 to 5.00
Perle.....	3.00 to 4.00
Carnations, Selects.....	1.00
Fancies.....	2.00 to 3.00
Asparagus plumosus, Strings.....	50.00
Sprengerl, Sprays.....	2.00 to 4.00
Sprengerl.....	2.00 to 4.00
Callas.....	12.50
Chrysanthemums, Ordinary.....	6.00 to 8.00
Fancy.....	12.50 to 18.00
Daisies.....	.50
Smilax.....	12.50 to 15.00
Violets ordinary.....	.50
extra.....	1.00
Common Ferns.....	.20

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Asparagus Plumosus Nanus, strong, 2¼-inch.
\$3.00 per 100; \$25.00 per 1000.

Asparagus Sprengerl, 15.00 a 1000.

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FRANK M. ELLIS, WHOLESALE FLORIST, ST. LOUIS, MO.

1316 PINE STREET,

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THE FINEST OF EVERYTHING
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SELECT VALLEY and AMERICAN BEAUTIES

Write us when in need of CHOICE STOCK.

A complete line of FLORISTS' SUPPLIES.

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LEADING RETAIL FLORISTS.

The following retail florists are prepared to fill orders from other florists for local delivery on the usual basis. If you wish to be represented under this heading now is the time to place your order.

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Out-of-town orders for delivery in New York carefully and promptly filled at reasonable prices.

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Out-of-town orders of all kinds given careful and prompt attention.
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Fill all orders for Florists
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Will take care of your orders. New York deliveries by our own messengers every day. We grow all our own flowers. Phone, wire or write us.

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Is it not reasonable that you save all between profits when you buy your RIBBONS direct from the mill. The profit of the mill to the commission house—the commission house to the jobber—the jobber to you.

THE RIGHT RIBBONS for Florists to use are woven at

The Pine Tree Silk Mills Company Philadelphia

and sold directly to you, grades which are known for quality, lustre, and correct colors.

It is requested that you write for samples. The prices are interesting. THESE QUALITIES:

CONQUEROR—Metallique Taffeta—CYCLONE.

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(CONTINUED.)

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Personal attention given to out-of-town orders for delivery in Pittsburg and vicinity.

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Canal Street,

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119
No. 16th Street,

OMAHA, NEB.

In his work on "The Colors of Flowers," Charles Grant Allen says that all flowers, it would seem, were in their earliest form yellow; then some of them became white; after that, a few of them grew to be red or purple; and finally, a comparatively small number acquired various shades of lilac, mauve, violet, or blue. As a general rule the least developed flowers are yellow or white; those which have undergone a little more modification are usually pink or red; and those which have been most highly specialized of any are usually purple, lilac, or blue. Absolute deep ultramarine probably marks the highest level of al-

INDIANAPOLIS, IND.

Show Preparations.

A trip around to the different growers shows up some very fine stock, and it looks as though the standard in the various lines is going to be high this season. Of course just at present the main topic is the 'mum show, and never before was the interest so strong as this year. There will be some good stock from the local growers to divide the premiums with those from other cities and states. Mr. Bertermann is anxious to receive, especially, the entries in the larger classes as early as possible, so he can arrange to make room for all before anything is unpacked. He is anxious to avoid as much as possible the customary confusion on the day of staging, as he will have his hands full enough anyway. Through an error class 13 in section 3 was changed in the final premium list, and it should read 25 single-stem plants, any other color, one variety. There is also an extra class added for not less than 500 double violets, for which is offered a first of \$7 and a second of \$5. The newspapers are lending a willing hand in getting up enthusiasm among the people. Last Saturday there was a half page in the News devoted to the Smith & Young greenhouses and their great success with violets. The Saturday before it gave Mrs. Vesey and Mr. Hasselman each a half page. In fact, everybody seems to be helping and everything is being done to make this show the best we have ever had.

With the Growers.

Henry Rieman has some fine chrysanthemum seedlings which he sits up nights to see unfold their petals. I have an idea that he is after those two S. A. F. medals. His roses and cyclamens and Lorraines are all in tip-top shape, and so are his carnations for being planted quite late. A banana tree in fruit has set his end of town agog lately.

At Bertermann's you can find almost any kind of plant you want to see growing, except roses. A house of A. Farley-

ense was in fine shape at the time of my visit. N. Piersoni is here in specimens as well as in smaller sizes. Their 'mums are fine this year. A house of poinsettias is in fine shape, too. One new house was added this summer, and a new boiler.

At A. Wiegand & Son's everything is hustle and bustle, with decorations for one thing or another. Their houses are filled with a fine lot of stock of all kinds, especially palms and specimen ferns. A fine new house was built in place of a pit, which gives them much more room.

John Hartje has decided to disseminate his fine white carnation Moonlight this spring. This is a fine sort and ought to have a good sale. His place looks good all through.

E. A. Nelson was a little late in getting planted up, but the plants are taking hold nicely and a good crop will soon be on. He has been busy fighting mildew on his roses lately, but says he has it down now. He has an improved Nelson which he thinks is a comer.

A. Pahud raises bouquets by the thousand; I mean stuff to make bouquets out of. Being right at the cemetery entrance, on bright days it keeps him busy.

Baur & Smith's carnations are in fine shape, as usual. Their Indianapolis is proving up to all their claims for it, and it is having a good sale. They expect to show it extensively this winter. Their 'mums are fine; some grand Appleton are just opening up and Eaton promises to show some great blooms. They have a big lot of cyclamens and all in good shape.

I understand there is some fine stock over on the south side and I hope to visit those parts soon. J. Heidenreich and E. Huckriede & Son are said to have some fine specimen chrysanthemum plants.

A. B.

NEW BEDFORD, MASS.

We are all looking for a good frost to take the outdoor stock out of the way and make business what it should be. There is considerable funeral work, and a wedding now and then, but other trade is very poor. Cut flowers of all kinds are very plentiful.

R. H. Woodhouse has been giving an exhibition of chrysanthemums in an up-town store.

The October meeting of the Florists' Club was held at the greenhouses of R. E. Nofftz, and Mrs. Nofftz served a German lunch that was much appreciated. Mr. Nofftz gave a very interesting account of the things he saw on his trip abroad this summer, but some of the boys were a little incredulous about the flea stories. The next meeting will be with W. L. G. Brown, November 12, so chalk the date down and don't forget to be there.

S. J. Donaghy has the sympathy of the trade in the loss of his son, James, who was a great help to his father, taking almost the entire charge of the greenhouses.

Otto Sucher, formerly with R. H. Woodhouse, has taken charge of S. S. Peckham's Fairhaven greenhouses.

E. H. Chamberlin and wife spent a few days last week in New York.

John Kelley, of Geo. A. Sutherland, Boston, and A. Ellen Briggs, of Dighton, were recent visitors.

C.

ASHEVILLE, N. C.—The Auditorium, where the S. A. F. convention of 1902 was held, was burned October 24, with a loss of \$40,000.

CLASSIFIED PLANT ADVERTISEMENTS.

Rates for advertisements under this head, 10 cents a line net, per insertion. New advs. and changes must reach us by Wednesday morning at latest to secure proper classification in issue of Thursday.

ABUTILONS.

Abutilons in variety, 40c doz., \$2.00 100.
R. Vincent, Jr. & Son, White Marsh, Md.

ACALYPHAS.

Acalypha Macafeana, 40c doz., \$2.50 100.
R. Vincent, Jr. & Son, White Marsh, Md.

AGERATUMS.

Ageratums Stella Gurney and White, 40c doz., \$2.00 100.
R. Vincent, Jr. & Son, White Marsh, Md.

ALTERNANTHERAS.

Alternantheras, 7 varieties, \$2.00 100, \$17.50 1000. R. Vincent, Jr. & Son, White Marsh, Md.

ALYSSUM.

Sweet alyssum, double giant, from 2-inch pots, \$2.00 per 100. Cash with order.
J. G. Eisele, 20th and Ontario Sts., Phila.
Alyssum, double, 3-in., \$2.50 100. Cash.
Converse Greenhouses, Webster, Mass.

AMPELOPSIS.

Ampelopsis Veitchii, 1 to 3 ft., 2-yr., field, transplanted, strong, \$4.00 per 100, \$35.00 per 1000. Honeysuckle, Hall's Japan and Golden, layers, 1 to 2 ft., \$3.50 per 100, \$25.00 per 1000. Cash with order. Walter H. Harrison, 1726 Lindenwood St., Philadelphia, Pa.

Ampelopsis Veitchii, open ground, strictly first-class, 3 years old, twice transplanted, \$7.00 per 100. Sample of ten by mail, prepaid, \$1.00. Cash with order.
E. Ferrand & Son, 379 Vinewood Ave., Detroit, Mich.

100,000 Ampelopsis Veitchii, 1, 2 and 3 years old. Prices on application.
McColgan Bros., Red Bank, N. J.

Ampelopsis Veitchii, 2-yr., 10c; 2nd, size, 5c. Cash.
W. H. Salter, Rochester, N. Y.

ANEMONES.

Anemone Japonica, 10,000 Alba, \$5.00 100; \$45.00 1000. 10,000 Rubra, \$5.00 100; \$45.00 1000. 10,000 Whirlwind, \$5.00 100; \$45.00 1000. 3,000 Queen Charlotte, \$6.00 100; \$50.00 1000. Other perennials, phlox, achillea, iris, monarda, Hemerocallis flava, Clematis paniculata, etc. Write for prices on what you want.
Geo. J. Keller, Rochester, N. Y.

ANTIRRHINUMS.

1500 antirrhinums (snap dragon), large plants, mixed colors, per 100, \$5.00.
M. L. Tirrell, Randolph, Mass.

ARAUCARIAS.

Spring importation of Araucaria excelsa, our specialty.
In. pots. In. high. Tiers. Each.
5½ 13-16 3-4 \$0.60
5½-6 15-17 very broad .75
Fall importation of Araucaria excelsa, 8 to 12 inches high, 3 tiers, 50c each.
Godfrey Aschmann, 1012 Ontario St., Phila.

Araucaria excelsa, 2-in. pots, 2 tiers, \$16.00 100. A. imbricata, 2½-in. pots, strong plants, \$10.00 100.

F. LUDEMANN, 3041 Baker St., San Francisco, Cal.

Araucaria excelsa compacta and glauca in all sizes. A postal for price list.
F. H. KRAMER, Washington, D. C.

Araucarias, 2½ ft. to 3 ft., in good condition, cheap. Write
Theo. E. Edwards, Bridgeton, N. J.

ARBOR-VITÆ.

American arbor-vitæ, fine stock, twice transplanted, 3½ to 4 ft., \$15.00 per 100; \$120.00 per 1000. Packing charged at cost.
E. Ferrand & Son, 379 Vinewood Ave., Detroit, Mich.

ARDISIAS.

Ardisias with berries, in 4-in., \$3.50 per doz.
H. Steinmetz, Raleigh, N. C.

ASPARAGUS.

Asparagus Sprengeri, from flats, \$1.00 100, \$8.00 1000; 2½-in., \$1.50 100, \$12.50 1000.
S. Whitton, 15 Gray Ave., Utica, N. Y.

ASPARAGUS PLUMOSUS NANUS.

Cut strings, 50 cents each.
W. H. ELLIOTT, BRIGHTON, MASS.

Asparagus comorensis, extra strong, 3-in. pots, \$8.00 100. A. plumosus nanus, 3-in. pots, \$8.00 100; 4-in., \$12.00 100. A. Sprengeri, strong, field-grown, heavily rooted and well set with eyes, 4-in., 5-in. and 6-in. pots, \$3.00, \$5.00 and \$7.00 100. Well established plants from 2½-in. pots, to be shifted to 4-in., \$4.00 100.
N. SMITH & SON, Adrian, Mich.

Asparagus plumosus, fine strong plants, from 5-in. and 5½-in. pots, \$15.00 per 100; 200 for \$25.00. 50 Sprengeri, 4-in. for \$3.00. Cash with order.
George Darsley, 176 Claremont Ave., Jersey City, N. J.

Plumosus nanus, 2½-in. pots, \$3.50 per 100. Sprengeri, 2½-in. ready for 3½-in., \$2.00 per 100; \$17.50 per 1000.
JACKSON & PERKINS Co., Newark, New York.

Asparagus plumosus, strong 2½-in., \$3.00 100, \$25.00 1000; Asparagus Sprengeri, \$2.00 100, \$15.00 1000. Cash.
G. M. Naumann, Doan St., Cleveland, O.

Asparagus Sprengeri, ready for 3-in., \$2.00 per 100; ready for 6-in. and 7-in., \$12.50 per 100.
W. W. Stertzling, Maplewood Sta., St. Louis, Mo.

Asparagus Sprengeri, 2-in., \$1.50 per 100, \$12.00 per 1000. Well grown stock; satisfaction guaranteed.
C. Winterich, Defiance, Ohio.

Asparagus Sprengeri, strong plants, 2½-in., \$3.00; 3-in., \$4.00; 4-in., \$8.00; 5-in., \$15.00; 6-in., \$25.00 100. J. H. Bornhoeft, Tipton, Ind.

Asparagus plumosus, 2-in., \$5.00; 2½-in., \$8.00. Sprengeri, 2-in., \$3.50; 3-in., \$5.00; 4-in., \$10.00 100. Geo. A. Kuhl, Pekin, Ill.

Asparagus Sprengeri, Strong 2-in., 2c. Cash. See our Boston fern and primula advs. for bargains.
Byer Bros., Chambersburg, Pa.

Asparagus comorensis, extra strong select stock, 3-in., \$10.00 100; 3½-in., \$12.00 100.
F. Dorner & Sons Co., La Fayette, Ind.

Asparagus plumosus, Strong 4-in., stock, ready for 5-in., \$12.00 per 100. Cash with order.
F. A. Imobersteg, Toledo, Ohio.

Asparagus plumosus, strong plants, 3-in., \$5.00 per 100; 3½-in., \$8.00 per 100.
Maurice J. Brinton, Christiansa, Pa.

Asparagus plumosus nanus and Sprengeri, fine plants, 2½-in., \$3.00; 3-in., \$4.00 and \$5.00.
Wm. Stuppe, Westbury Station, L. I., N. Y.

Asparagus plumosus nanus, 2½-in., fine, \$4.00 100; 4-in. stock at \$8.00 100.
The McGregor Bros. Co., Springfield, O.

Asparagus plumosus, 2½-in., \$3.50 100, \$30.00 1000; 3-in., \$7.00 100, \$65.00 1000.
S. S. Pennock, 1612 Ludlow St., Philadelphia.

Asparagus plumosus, 3-in., 6c; 4-in., 12½c; 6-in., fine, large plants, 25c.
Crown Point Floral Co., Crown Point, Ind.

Asparagus Sprengeri, 3-in. pots, good stock from frames, \$3.00 per 100.
P. J. AGNEW, Springfield, Ohio.

Asparagus Sprengeri and plumosus, extra strong, 2-in., \$30.00 1000.
C. BETSCHER, Canal Dover, O.

Asparagus Sprengeri, 2½-in., \$2.00 100. Plumosus, \$2.50 100. Cash.
Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 4-in. pots, \$12.50 per 100. Cash with order.
H. H. BARROWS & SON, Whitman, Mass.

Asparagus Sprengeri, Feb. sown seed, 2-in. pots, \$2.00 100. Cash.
John Brod, Niles Center, Ill.

Plumosus nanus, 3-in., \$8.00 100. Sprengeri, 2½-in., \$3.00 100.
L. H. Foster, Dorchester, Mass.

Asparagus Sprengeri, \$2.00 per 100. Fine plants.
Wm. Keir, Pikesville, Md.

Asparagus plumosus, 2½-in., \$3.50 per 100; \$30.00 per 1000. A. Schmitt, Glenville, O.

Asparagus Sprengeri, 4-in., \$6.00; 3-in., \$3.00 100.
C. Whitton, City St., Utica, N. Y.

2000 Asparagus plumosus, 2½-in. stock, \$4.00 per 100.
H. B. Campbell, Davenport, Ia.

Asparagus Sprengeri, 350 in 3½-in., \$4.00 per 100.
Gellon & Wolf, Downers Grove, Ill.

Asparagus Sprengeri, 2½-inch, \$3.00 per 100.
Storrs & Harrison Co., Painesville, O.

Asparagus plumosus, 4-in., \$8.00 per 100.
JAMES C. MURRAY, Peoria, Ill.

Asparagus plumosus, 2½-inch, \$3.00 per 100.
Llewellyn, Florist, Olean, N. Y.

Asparagus Sprengeri, 2-in., \$1.50 100.
E. I. Rawlings, Quakertown, Pa.

Asparagus plumosus, all sizes.
A. S. MACBEAN, Lakewood, N. J.

AZALEAS.

Azalea indica, for Xmas forcing. Deutsche Perle, dbl. white, Simon Mardner, dbl. pink, Vervaeana, rose variegated, for Easter forcing. Mme. Vander Cruysen, Paul Weber, Niobe, Bernard Andre alba, Imperatrice des Indes and about 12 more good sorts. Price from 40c, 50c, 60c, 75c to \$1.00 each.
Godfrey Aschmann, 1012 Ontario St., Phila.

Azalea indica, shipments arriving in fine condition. We are offering only best American market varieties; no cheap assorted "case lots."
10 to 12-inch crowns \$35.00 per 100
12 to 14-inch crowns 45.00 per 100
14 to 16-inch crowns 55.00 per 100
Storrs & Harrison Co., Painesville, O.

BARGAIN PRICES.

BARGAIN PRICES.

Offer of flowering and decorative plants by Anton Schultheis, College Point, N. Y.

Prices given below include packing free of charge. All plants are shipped without pots unless otherwise ordered. Shipments are made by fast freight, if not specially directed, until frost sets in, when express is preferred. Write for my catalogue which contains conditions of sale, etc., of all plants. Cash must accompany all orders.

ARAUCARIA EXCELSA, very fine, from 6 and 6½-in. pots, 6 tiers, \$18.00 and \$24.00 per doz.

FERNS for ferneries, fine assortment, \$4.00, \$5.00 per 100.

BOSTON FERNS from 6-in. pots, \$35.00 per 100.

ASPIDISTRA, green and variegated from 6 to 8-in. pots.

CAMELLIAS, well set with flowering buds, from 5 to 6-in. pots, in variety, \$6.00, \$12.00 per doz.

ERICA FRAGRANS, from 5½-in. pots, well budded, fine shaped plants, \$8.00 per doz., \$45.00 per 100. One-year-old plants from 3½-in. pots, \$10.00 per 100.

ERICA PERSOLUTA, rubra and alba, 2-year-old, from 5½-in. pots, \$6.00 per doz., \$45.00 per 100; 1-year-old, \$10.00 per 100; also 1-year-old Erica rosea.

ERICA CUPRESSINA, from 4-in. pots, \$6.00 per doz., \$45.00 per 100.

ERICA GERMINANS, well budded for Xmas, 1-year-old, \$8.00 per 100; 2-year-old from 5-in. pots, \$6.00 per doz., \$45.00 per 100.

ERICA WILMOREANA, 2-year-old, \$6.00 per doz., \$45.00 per 100; 1-year-old, \$10.00 per 100. EPACRIS ALBA, very fine plants from 4-in. pots, well budded, \$25.00 per 100.

SMALL GENISTA, eastern varieties, from 3½-in. pots, \$10.00 per 100.

SINGLE STEM RUBBERS at \$4.00, \$5.00 and \$6.00 per doz., very fine.

ANTON SCHULTHEIS, College Pt., L. I., N. Y.

BAY TREES.

Bay Trees. Have just received a fine lot of standards and pyramids.

F. W. O. Schmits, Prince Bay, N. Y.

Among our specialties, bay trees, boxwood, palms, evergreens, etc.

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Large stock of greenhouse sizes on hand. Write for prices; no order too large for us to handle, no order too small to receive our careful attention.
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Greenhouse glass, paint and putty are our specialties.
Casper Limbach, Pittsburg, Pa.

Greenhouse glass a specialty. Sprague, Smith Co., 205 Randolph St., Chicago.

GLAZING POINTS.

Siebert's zinc "Never-rust" glazing points. Sold by all seedsmen, or C. T. Siebert, Pittsburg, Pa.

The "Model" glazing point. Zinc. Practical. Durable.
Parker Bruen Mfg. Co., Harrison, N. J.

Peerless glazing points are the best.
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HOSE.

Bull-dog hose, 7 ply, guaranteed; ¾-in., 16c ft.
U. Cutler Ryerson, Newark, N. J.

Good Hose. J. G. & A. Esler, Saddle River, N. J.

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Use SULPHO-TOBACCO SOAP and have clean, healthy plants. Sample free cake if you mention The Florists' Review.

LARKIN SOAP CO., Buffalo, N. Y.

Send for a 5-lb. trial pkg. of our TOBACCO POWDER. Our booklet tells of it. Write Dept. D for it.

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Rose Leaf Extract of Tobacco will save you money. For free booklet write KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Alphis Punk and Nikoteen Liquid always on hand.
U. C. Ryerson, Newark, N. J.

NICOTICIDE kills all greenhouse pests.
Sold by all seedsmen.

POTS.

Standard Pots. We are now ready to supply a superior quality of pots in unlimited quantities. Catalogues and price lists furnished on application.

A. H. Hews & Co., North Cambridge, Mass.

Standard Flower Pots. If your greenhouses are within 500 miles of the Capital, write us; we can save you money. W. H. Ernest, 28th and M Sts., N. E., Washington, D. C.

Flower Pots. Before buying write us for prices. Geo. Keller & Son, 361-363 Herndon St. (near Wrightwood Ave.), Chicago.

Those RED pots. The right kind.
C. C. POLLWORTH CO., Milwaukee, Wis.

Red pots. Write for prices and sample pot.
Colesburg Pottery Co., Colesburg, Iowa.

SPHAGNUM MOSS.

Sphagnum moss. Write for prices on large quantities. Crowl Fern Co., Millington, Mass.

Sphagnum moss. Write for prices.
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We carry a large assortment of colored raffia grass on hand for immediate shipment.
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American brand FLORIST FOIL—The standard foil of America.

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Wired toothpicks, 10,000, \$1.50; 50,000, \$6.25. Sample free. For sale by dealers.
W. J. COWEE, Berlin, N. Y.

Wired toothpicks, box of 10,000, \$1.50.
W. W. Barnard & Co., 161 Kinzie St., Chicago.

WIRE SUPPORTS.

Excelsior carnation supports. In use 10 years. Write
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WIRE WORK.

We are the largest manufacturers of wire work in the west.
E. F. Winterson Co.,
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Wire work of all kinds for florists. Send for price list.
Wm. Murphy, 130 E. 3d St., Cincinnati, O.

We are manufacturers — no middleman's profits.
C. C. POLLWORTH CO., Milwaukee, Wis.

Emil Steffens, Manufacturer of Florists' Wire Designs. 335 East 21st St., New York.

Reed & Keller, 122 W. 25th St., New York. Manufacturers of Wire Designs.

E. H. Hunt, 76-78 Wabash Ave., Chicago.

DAYTON, O.—The Miami Floral Co. has added three houses each 30x200 this season and has the place in shape for a good season.

SKANEATELES, N. Y.—George Stuart, for thirty-three years gardener at the Lapham estate, is dead, aged 75 years. He came to this country in 1855, from Scotland.

My stock is all sold, and all through the REVIEW. I received many orders that I could not fill and had to return the money. I shall be better prepared next season and as soon as I have anything ready for sale you will hear from me.
—ALBERT HAKE, Manchester, Pa.

PLEASE MENTION THE REVIEW WHEN WRITING ANY OF THESE ADVERTISERS

How to Sell Flowers.

There is an immense lot in knowing this. It is the secret of success. Will you let us help you? Of course you say "Yes" gladly. Well, here is an idea—Long stemmed fancy roses are going to be plentiful until Xmas, they will be in demand for debutantes' teas during the next six weeks. You can stimulate this demand by displaying your stock in our **BEAUTIFUL BOHEMIAN GLASS VASES**—they are new and irresistible.

OUR LATEST VASE FOR BEAUTIES IS SUPERB ————— A word to the wise is sufficient.

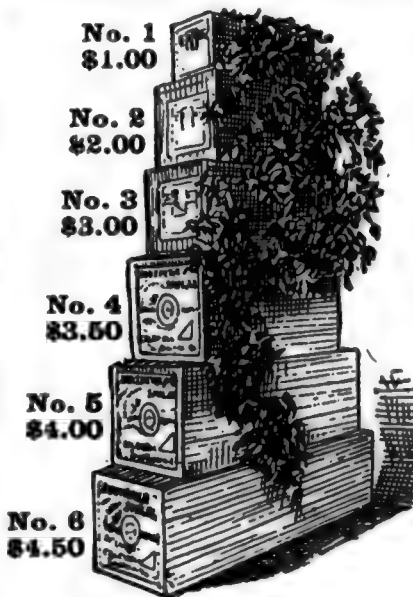
H. BAYERSDORFER & CO.,

The Largest Florists' Supply House in America. 50, 52, 54 and 56 North Fourth St., Philadelphia.

Mention the Review when you write.

MEMPHIS, TENN.

At one time La Rose Gardens was the most extensive greenhouse plant in Memphis, and was justly noted for the famous roses produced. Through the death of the owner, the late J. T. Williamson, this plant has been purchased by the Memphis Floral Company. The greenhouse structures have been transplanted and added to those of the Memphis Floral Company at the south gate of Elmwood. The immense glass houses are now filled with first blooms of plants grown for winter forcing; 60,000 square feet of glass comprised the La Rose Gardens, and this, added to that formerly cultivated by the Memphis Floral Company, makes a total of 130,000 square feet of glass that this company controls. The chrysanthemums are just now coming into bloom. The Memphis Floral Company has a city store at 391 Main street, where a small chrysanthemum exhibit will be on for the next six weeks. In conversation with C. H. Hune, the president of the Memphis Floral Company, he advanced the idea that the florist business was the surest index to the metropolitan nature of Memphis. The demand for flowers and plants is on a steady increase, the public demanding high-class flowers and service, thus making possible the enormous outlay this company has gone to during the past twelve months.



Caldwell's Quality Brands
Southern WILD SMILAX.

Terms—Cash with orders from unknown correspondents.

And we will do it again! What?

WHY-- FILL ALL OF YOUR ORDERS AT ALL TIMES

So will our Agents:

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LEO NIESSEN, Philadelphia. H. G. BERNING, St. Louis, Mo.
J. M. McCULLOUGH'S SONS, Cincinnati, Ohio.

A full supply always on hand at these points and prices same as ours -- plus cost of carriage.

Caldwell The Woodsman Co.
EVERGREEN, ALABAMA.

Mention the Review when you write.

The Anna Foster Fern.

Ready—Cut from bench for 6-in. at \$35 per 100. Beautiful plants. Pot plants 50c. 75c. \$1. \$2. \$3. \$4 and \$5 each. **Boston Fern**—Large plants, cut from bench, at \$50 per 100. **Kentia Palms**—From 50c to \$3 each. **Asparagus Plu. Nanus**—3-in. \$8 per 100. **Asparagus Sprengeri**—2 1/2 in. \$3 per 100.

L. H. FOSTER, 45 King St., Dorchester, Mass.

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Fancy Cinerarias, Chinese Primroses, Primula Obconica, Sprengeri and Plumosus.

Write

GEO. A. KUHL, PEKIN, ILL.
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Fan Palms.
(W. filifera.)

20,000—One year from open ground, \$2.50 per 1000. 3 to 4 leaves. Some with fan.

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CARNATION CUTTINGS

We are now booking orders for Carnation Cuttings. All orders will be filled strictly in rotation as received. Send in your orders at once and get the early plants.

We have the following varieties from which we can supply cuttings and will sell at the market prices for good stock:

Enchantress	Fair Maid	The Queen
Boston Market	Gov. Wolcott	Eldorado
Bradt	Prosperity	Manley
E. Sheppard	Adonis	Joost
Lawson	Harlowarden	
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All our plants are vigorous and healthy and having the best facilities for rooting we are prepared to fill large or small orders.
Long Distance Telephone.

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MANUFACTURER OF FLORAL METAL DESIGNS, IMPORTER AND DEALER IN FLORISTS' SUPPLIES, Factory, 709 First Ave., bet. 40th and 41st Sts. Office and Warerooms, 404, 406, 408, 410, 412 East 34th St., NEW YORK.

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Galax Leaves and all Decorative Greens.
Mention the Review when you write.

J. Stern & Co.
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Aphis Punk. Paper Box of 12 rolls60c
Wood Case of 12 boxes, \$6.50
Nikoteen Liquid. 1 pt. bottle pkd.. \$1.50; case of 10 bottles pku., \$13.00. Always on hand. Shipped instantly. **U. OUTLER RYERSON,** 108 Third Avenue, -- NEWARK, N. J.
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McCray Florist REFRIGERATORS

KNOWN EVERYWHERE FOR SUPERIORITY.



STYLE No. 610.

This neat design is carried in stock ready for prompt shipment.
86 in. wide. 80 in. deep. 74 in. high.

SPECIAL DESIGNS BUILT TO ORDER

Also we have stock sizes of very neat design ready for prompt shipment.

Noted for absolutely dry interior, thus avoiding entirely the sweating of glass.

The positive circulation of pure cold air within keeps the flowers in perfect condition.

Economical in the Use of Ice. Scientifically Constructed.

Write at once for Florist's Catalogue No. 70.

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Address Main Office unless you reside in one of the above named cities.

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HOW TO GROW IT.
FULLY ILLUSTRATED.

By C. W. WARD.

A PRACTICAL work on Carnation growing; complete in every particular, including the full calendar of operations for the year, with chapters on Soils, Fertilizers, Insects, Diseases, Heating. Each and every phase of commercial Carnation culture treated clearly and comprehensively. The book contains 290 large pages finely printed. It should be in the hands of every grower.

Sent carriage paid on receipt of \$3.50.

Florists' Publishing Company,
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ARAUCARIA EXCELSA

2-inch pots, two tiers, \$16.00 per 100.

Araucaria Imbricata

2½-inch pots, strong plants, \$10 per 100.

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MAIDS, BRIDES, GOLDEN GATES.
Very strong 3-in. stock, at \$4.00 per 100; \$30.00 per 1000. Fine to follow mums. Carnations—Joost, Triumph, Scott, \$5.00 per 100; strong bushy plants. 4-in. hot water pipe, wrought, \$9; Hitchings, \$12 per 100 ft.

W. H. GULLETT & SONS, - - Lincoln, Ill.

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50,000 PALMS In Fine Condition

Kentia Belmoreana or Forsteriana—
3-inch.....each, \$0.15-100, \$12.00
4-inch....." .25-30.40 " 20.00-30.00
5-inch....." .50-.75 " 45.00-65.00
6-inch....." 1.00-1.50 " 90.00-120.00

Latania Borbonica—extra good value.
4-inch.....each, 25c 160, \$22.00
5-inch....." 45c " 40.00
6-inch....." 60c " 50.00

Pandanus Utilis—
5-inch.....each, 50c 100, \$40.00
6-inch....." 65c " 55.00

Areca Lutescens—
5-inch.....each, 50c 100, \$45.00
6-inch....." 75c " 70.00

Boston Ferns—15c to \$3.00 each. Ferns for dishes, very fine \$3.00 to \$28.00 per 1000.

Pious Elastica Belgica—
5-inch.....each, 50c to 75c; 7-inch, each, \$1.00

ALBERT FUCHS,

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Chrysanthemums!

Stock plants, early varieties, now ready. Write for varieties and prices.

H. WEBER & SONS, OAKLAND, MD.

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WE MUST HAVE ROOM.
Double Alyssum 3-in., \$2.50 per 100. Hydrangeas, field-grown, 8 to 12 flowering shoots, \$15.00 per 100. Jerusalem Cherries, dwarf, bushy, well berried, 6-in. pots, \$2.25 per doz. 500 Wm. Scott Carnation Plants, from field, make me an offer for the lot; or \$3.50 per 100. Boston Ferns, very bushy, 5 in. pots, \$2.50 per doz.; 6-in., \$4.00 per doz. English Ivy, field-grown, \$4.00 per 100. Violets field-grown, large plants, California \$1.00; Campbell \$3.00 per 100. Cash please.

Converse Greenhouses, Webster, Mass.

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Field-Grown

Carnation ...Plants

Per 100 Per 1000

12,000 Joost, \$3.00 \$25 00

15,000 Marquis 3.00 25.00

Fine strong, healthy plants.

GEO. REINBERG,

51 Wabash Avenue, CHICAGO.

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Pot-Grown also Pieroni. Bostons

All sizes from 2½ to 10-inch. Write—

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SMILAX!

Last call for No. 1 plants, from 2-inch pots, at \$8.00 per 1000, in any quantity.

Asparagus Sprengeri, 2-inch, \$1.50 a 100

E. I. RAWLINGS, Quakertown, Pa.

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TORONTO.

The Market.

Trade in Toronto during October, according to reports from different dealers, has been as good as, if not ahead of, last year. This may be owing to the exceptionally brisk run that business took during the fore part of the month. Since the 15th demand has fallen away and stock has accumulated very rapidly. Monday saw a considerable change in weather and we were treated in the morning to a real Canadian snowstorm. This we presume will have a tendency to shorten the supply and will give both wholesale and retail men a chance to clean up.

Carnations are coming in very plentifully and some really fine Lawson, Queen Louise, Enchantress and other good varieties are to be seen.

Notes.

The last two years our Toronto growers have been at liberty to talk about their stock, as there has been no chrysanthemum show to put them to a test. This year, however, the Horticultural Association is holding a show in St. George's hall, so we do not hear so much, but expect to see something above the average when the exhibits are staged. D. J.

CLEVELAND.

The Market.

A cold wave that passed over this city Friday and Saturday caused a heavy frost and formed ice on small puddles of water. It finished the season for dahlias and cosmos, and most of the florists will be pleased to see the last of them, as it has been the finest season for all outdoor flowers we have had for many years. At times these flowers have been too plentiful for any good use. 'Mums are in full swing and have the demand over roses and carnations, which are hard to move at regular prices. Good 'mums can be had at prices ranging from 75 cents to \$1.50 per dozen. Carnations are \$1 to \$2 per 100; roses \$1 to \$4 per 100.

The coal question is not bothering the florists near as much as it was last year, and the dealers are quoting season delivery at greatly reduced rates. E.

For Sale. 1000 Portia, 500 Fisher, Fine Field-Grown Stock, at \$30.00 per 1000. A-No. 1 Stocky plants.

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FERNS for SALE.

20,000 Ferns, 2 and 2½-inch pots. \$3.00 per 100; \$25.00 per 1000.

BOSTON FERNS, 5 and 6-inch pots; prices on application.
P. R. QUINLAN & CO., SYRACUSE, N. Y.
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STOCK MUMS, \$3.00 per 100.

Delivered as soon as flowers are cut.

Willowbrook, Halliday, Shaw, Ivory, Pink Ivory, Mrs. Robinson, Sunderbruch, Bloodgood, Pres. Smith, Appleton, Goldmine, Golden Wedding, Bonaffon, Modesto, Timothy Eaton, Niveus, Indiana, Rieman, Dailledouze, Lavender Queen, Murdock, Violescent.

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THE H. A. MELDRUM CO.'S

ANNUAL

Flower Show!

Will be held at

BUFFALO, N. Y., Nov. 11th to 14th, inclusive, 1903,

Under auspices of THE BUFFALO FLORISTS' CLUB.

The firm offers Prizes Aggregating One Thousand Dollars

TO GROWERS OF

CHRYSANTHEMUMS AND ROSES

A great many entries have been made for this splendid Flower Show and you should be among them. Address —

CHAS. H. KEITSCH, Manager H. A. Meldrum Co.'s Flower Show.
No. 806 Main Street, BUFFALO, N. Y.

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WILD SMILAX. ORDER DIRECT FROM HEADQUARTERS.

We carry the finest and most complete stock of **FLORISTS' HARDY SUPPLIES**. **Dagger and Fancy Ferns**, A-No. 1 quality, \$1.00 per 1000. **Bronze and Green Galax**, A-No. 1 stock, \$1.00 per 1000. **Southern Wild Smilax**, 50-lb. case, \$7.00; 25-lb. case, \$3.50. **Laurel Festooning**, good and full, 5c and 6c per yard. **Green Moss**, \$1.00 per bbl.; 75c per bag. **Sphagnum Moss**, \$1.00 per bbl.; 50c per bag. **Leucothoe Sprays**, \$1.00 per 100. Orders by mail, telegram or telephone will receive our prompt and personal attention. Long Distance Telephone 2618 Main.

HENRY M. ROBINSON & CO., 11 Province St., BOSTON, MASS.

100,000 SMALL FERNS.

Best commercial varieties, in 2¼-inch pots, \$3.00 per 100; \$25.00 per 1000.

NEPHROLEPIS PIERSONI, strong plants 2½-inch pots, \$3.00 per doz.; \$22.00 per 100**NEPHROLEPIS ANNA FOSTER**, strong plants, 2½-inch pots, 75c per doz.; \$6.00 per 100

PRIMROSES.

OBCONICA GRANDIFLORA, ALBA,**MOSEA, FIMBRIATA**, \$3.00 per 100; \$25.00 per 1000
Cash.**OECHSLIN BROS., 1688 W. Madison St., Chicago.**

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Largest
Premium List
in the Country

issued for the

**INDIANA
CHRYSANTHEMUM
SHOW**, to be held at**INDIANAPOLIS, IND.**

November 10 to 14, inclusive.

A Chance for a Grower
to Make a Name for Himself.**IRWIN BERTERMANN,**

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Commercial
Violet Culture.

BY B. T. GALLOWAY.

This is the Second Edition of this very successful book, revised and brought up to date.

Fully illustrated and handsomely printed.

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For next summer's flowers plant the

Lillian Pond,

by far the best white for summer and fall.
Rooted cuttings ready November 1st.

\$5 per 100; \$40 per 1000

We are also booking orders for the following varieties:

Enchantress, \$6 per 100; \$50 per 1000

The Queen, 5 " 40 "

Prosperity, 3 " 25 "

Lawson, 3 " 25 "

SEND YOUR ORDER NOW
AND GET EARLY DELIVERY

Larchmont Nurseries,

LARCHMONT, N. Y.

Mention Review when you write.

PANSY plants, giant mixed, per 100, 40c; per 1000, \$2.00. **Rex Begonia**, 2½ and 3 inch, 3c. **Begonia Double Semperflorens**, **Triumph de Lorraine**, strong 2½-in., 3c. **Primula Chinensis**, 2c. **Obconica**, 2c.

HENRY ERNST & SON, Washington, Mo.

**TWO NEW
WHITE CARNATIONS
FOR 1904**

**Lady Bountiful
and The Belle.**

Strong and healthy growers. Earliest and most productive of all White Carnations. The two best commercial sorts.

\$12.00 per 100; \$100.00 per 1000.
2500 at \$95.00 per 1000; 5000 at \$90.00 per 1000

Asparagus Comorensis,

Extra strong, select stock, 3-inch, \$10.00 per 100; 3½-inch, \$12.00 per 100.

**F. DORNER & SONS CO.,
LA FAYETTE, IND.**

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**CHRYSANTHEMUM
STOCK PLANTS.**

Ready for immediate shipment—White Fitzwygram, Yellow Fitzwygram, Opah, Willowbrook, Omega, Monrovia, Lady Harriet, Halliday, R. H. Pearson, Vivland-Morel, Robinson, Col. Appleton, at \$8.00 per 100.

Glory Pacific, Polly Rose, Ivory, Dalskov and Parr, at \$5.00 per 100.

FIELD-GROWN CARNATIONS.

300 Joost.....100, \$6.00 | 100 Norway...100, \$6.00
300 Glacier..... " 5.00 | 100 Crocker... " 5.00
100 M'n'g Glory " 6.00 | 300 Gaiety..... " 5.00
375 Alba..... " 5.00

ROSE PLANTS.

200 4-inch American Beauties.....\$10.00 per 100
300 4-inch Meteors..... 7.00 per 100
50 4-inch Bridesmaids..... 7.00 per 100
200 2½-inch Balduins..... 4.00 per 100
Boston Ferns—7-inch, \$1.00 each; 8-inch, \$1.25 each; 9-inch, \$1.50 each. CASH OR O. O. D.

W. J. & M. S. VESEY, Ft. Wayne, Ind.

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**Carnation
FOR SALE ..Plants**

Extra Strong Field-Grown for immediate delivery:

400 Elm City—White.....\$6.00 per 100
1000 McGowan..... } Extra strong and well budded.
2000 Elm City..... }
1000 Scott..... } Prices on application.

**FRANK H. KIMBERLY,
NEW HAVEN, CONN.**

CHINESE PRIMROSES!

In bud and bloom, 4-in. pots, \$6.00 per 100; 3-in. pots, \$3.00 per 100.

Asparagus Sprengerii—4-in. pots, \$6.00 per 100; 3-in. pots, \$3.00 per 100. Boston Ferns—Large plants, 5-in. pots, \$3.00 per doz. Palms—Kentia Belmoreana, perfect foliage, 5-in., \$7.00 per doz.; 6-in., \$12.00 per doz. Cinerarias—2½-in., \$2.00 per 100, 300 for \$5.00; 3-in., \$3.00 per 100; 4-in., \$6.00 per 100. Obconicas—2½-in., \$2.00 per 100, 300 for \$5.00; 3-in., \$3.00 per 100; 4-in., \$6.00 per 100.

C. WHITTON, City St., Utica, N. Y.

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**A CHOICE LOT OF
Boston Ferns**

In 5 and 6-inch pots, 25c each

**Wagner Park Conservatories,
SIDNEY, OHIO.**

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**Heavy Rooted Carnations
NOW READY**

White.			Scarlet.		
	100	1000		100	1000
Queen Louise.....	\$1.20	\$11.00	Mrs. P. Palmer.....	\$1.50	\$14.00
Flora Hill.....	1.20	11.00	Apollo.....	8.50	30.00
Alba.....	3.40	30.00	Estelle.....	1.50	14.00
Wolcott.....	3.40	30.00	Crimson.		
Norway.....	1.20	11.00	Harlowarden.....	\$5.00	\$45.00
White Cloud.....	1.20	11.00	Gov. Roosevelt.....	1.20	11.00
Pink and Shades.			Gen. Gomez.....	1.20	11.00
Lawson.....	\$1.40	\$12.50	Harry Fenn.....	3.00	25.00
Marquis.....	1.20	11.00	Yellow.		
Mermaid.....	1.20	11.00	Eldorado.....	\$1.20	\$11.00
Success.....	5.00	45.00	Variegated.		
Scarlet.			Stella.....	\$3.00	\$25.00
Crane.....	\$1.40	\$12.50	Armazindy.....	1.20	11.00
America.....	1.20	11.00	25 at 100 rate. 250 at 1000 rate.		

Express prepaid to your city at above prices. Spot Cash, no discount.

California Carnation Co., L. Box 103. Loomis, Cal.

Mention Review when you write.

STRONGLY ROOTED CARNATIONS -- Now Ready.

NOVELTIES of 1903			STANDARD VARIETIES		
	100	1000		100	1000
Harlowarden, crimson.....	\$5.00	\$45.00	Norway, white.....	\$1.20	\$11.00
Marshall Field, red and white variegated.....	5.00	45.00	Prosperity, white overlaid with pink.....	1.40	12.50
Lillian Pond, white.....	6.00	55.00	Estelle, scarlet.....	1.50	14.00
Enchantress, light pink.....	6.00	55.00	Mrs. Thos. Lawson, pink.....	1.40	12.50
President McKinley, pink.....	6.00	55.00	Gov. Roosevelt, crimson.....	1.20	11.00
Success, pink.....	5.00	45.00	G. H. Crane, scarlet.....	1.40	12.50
Adonis, rich scarlet.....	7.00	65.00	Flora Hill, white.....	1.20	11.00
Mrs. Theodore Roosevelt, pink.....	6.00	55.00	Mermaid, salmon pink.....	1.20	11.00
INTRODUCTIONS, 1902			Eldorado, white.....	1.20	11.00
Cressbrook, light pink.....	\$2.50	\$20.00	Queen Louise, white.....	1.20	11.00
Gov. Wolcott, white.....	3.40	30.00	Chicot, white.....	1.20	11.00
Alba, white.....	3.40	30.00	Armazindy, variegated.....	1.20	11.00
J. H. Manley, scarlet.....	3.50	30.00	Palmer, scarlet.....	1.50	14.00
Apollo, brilliant scarlet.....	3.50	30.00	America, scarlet.....	1.20	11.00
Gaiety, white striped scarlet.....	3.00	25.00	25 at 100 rate. 250 at 1000 rate.		
Stella, variegated white.....	3.00	25.00	CASH WITH ORDER.		
Viola Allen, white.....	3.00	25.00	The above prices are what the plants will cost you delivered. I We pay express charges and guarantee satisfaction. I		

LOOMIS FLORAL CO., LOOMIS, CAL.

Mention Review when you write.

**A Bargain
in
Matania Borbonica.**

Fine, Strong 4-inch Stock.
\$10.00 per hundred.

**J. B. HEISS,
The Exotic Nurseries, DAYTON, Ohio.**

CASH WITH ORDER.
Mention Review when you write.

**BEGONIA
Gloire de Lorraine**

Strong, healthy plants, in 2-inch pots,
\$12.00 per 100.

Hardy English Ivy,

Strong, 3-inch pots, \$5.00 per 100;
\$40.00 per 1000.

**I. H. MOSS, Govanstown,
Baltimore, Md.**

Mention The Review when you write.

Always mention the Florists' Review when writing advertisers.

**75,000
Geranium Cuttings.**

Our cuttings this fall are perfection. Order now and secure the best stock of the only ones to grow for profit. Jean Viaud (pink), S. A. Nutt (crimson), Alp. Ricard (scarlet), Mme. Buchner (white), Mrs. E. G. Hill, Beaute Poitevine (salmons), all semi-double, strong rooted cuttings, \$1.25 per 100; \$12.00 per 1000.

Petunias—Double fringed, 12 varieties selected from Henderson's and Dreer's latests sets, including Snow Storm, strong rooted cuttings, \$1.00 per 100; \$9.00 per 1000.

Salvia—The two best, St. Louis and Bonfire, rooted cuttings, \$1.00 per 100; \$8.00 per 1000.

Smilax—Strong plants from 2½-inch pots, \$1.00 per 100; \$8.00 per 1000. Samples gladly sent.

Carnations—Cut blooms of all the standard sorts. First quality, \$1.50 per 100; seconds, short stem for design work, \$1.00 per 100.

**THE W. T. BUCKLEY PLANT CO.
SPRINGFIELD, ILL.**

Mention Review when you write.

**DESIRABLE STOCK TO PLANT
AFTER EARLY 'HUMS.**

Asparagus Comorensis—Extra strong 3-inch pot plants, now throwing heavy growths, \$8.00 per 100.

Asparagus Plumosus Nanus—Our plants are exceptionally fine this season. Buy now for fall and holiday sales. From 3-in. pots, strong, shapely plants, \$8.00 per 100; 4-in. pots, \$12.00 per 100.

Asparagus Sprengerii—Strong, field-grown plants, heavily rooted and well set with eyes. Far superior to pot plants. Nice clumps ready for 4-in., 5-in. and 6-in. pots, \$3.00, \$5.00 and \$7.00 per 100. Well established plants from 2½-in. pots, should be shifted to 4-in. pots, \$4.00 per 100. Carnation G. H. Crane—We have several hundred large bushy plants that have not been frosted. \$5.00 per 100.

Smilax—Well rooted field clumps, \$2.50 per 100.

Nathan Smith & Son, Adrian, Mich.

FORT WAYNE, IND.—The Indianapolis News of October 17 contained a very interesting illustrated account of how the W. J. & M. S. Vesey establishment developed from a conservatory for a lawyer's wife into a splendid range of twenty-nine greenhouses, one of the principal commercial places of the state, producing prize-winning stock and shipping largely to St. Louis.

ST. JOHNS, MICH.—Fred Knapp is now the proprietor of the greenhouse business heretofore known as Knapp Bros.



Don't You Forget SIEBERT'S ZINC NEVER RUST GLAZING POINTS

are positively the best.
Last forever. Over 9000
lbs. now in use.

A sure preventive of glass
slipping. Effective on
large or small glass.
Easy to drive, easy to
extract.

Two sizes, $\frac{1}{4}$ and $\frac{3}{4}$. 40c
a lb.; by mail, 16c extra;
7 lbs. for \$2.50; 15 lbs.

for \$5.00, by express. For Sale by
Vaughan's Seed Store, Chicago & New York
Henry F. Michell.....Philadelphia
Weeber & Don.....New York
Stumpp & Walter Co.....New York
Schlegel & Fottler.....Boston, Mass.
W. W. Rawson & Co.....Boston, Mass.
Wm. F. Kasting.....Buffalo, N. Y.
Livingston Seed Co.....Columbus, Ohio
J. M. McCullough's Sons..Cincinnati, Ohio
Iowa Seed Co.....Des Moines, Ia.
Elder & Tuttle Co.....Springfield, Ohio
Jones Hardware Co.....Richmond, Ind.
Baker & Richards.....Seattle, Wash.
W. C. Beckert.....Allegheny, Pa.
Pittsburg Cut Flower Co.....Pittsburg, Pa.
Chas. T. Siebert, Sta. B.....Pittsburg, Pa.

KIND WORDS NEVER DIE.

Bellevue, Pa.
Chas. T. Siebert:—Please book my order for
100 lbs. of Zinc Never Rust Glazing Points. I
have used five different kinds in the past 12
years, and none of them gave me satisfaction
like yours. They will stay in, are easy to drive,
no rights or lefts, will hold the glass in place,
and do not rust away like all others I have
used. Your Zinc Points are easy to take out
when making repairs. I have used about 100
lbs. of your Zinc Points in the last two years,
and am perfectly satisfied with them.

Yours truly,

F. BURKI.

Cleveland, Ohio.

Chas. T. Siebert:—In our 25 years' experi-
ence with glazing points of all kinds, I can say
your zinc points are the best to date.

CHAS. H. WILSON,
Mgr. for Grant-Wilson Floral Co.

Lockland, Ohio.

Chas. T. Siebert:—I must say the Zinc
Points have given great satisfaction. I have
over 100 lbs. on my houses, and feel justified
in stating that they are the best point on the
market.

Yours respectfully,

W. K. PARTRIDGE, Florist.

Richmond, Ind.

Chas. T. Siebert:—Send us another lot of your
 $\frac{3}{4}$ Zinc Points. We have found them first-class.
The best thing we have ever used yet for glaz-
ing purposes.

Yours truly,

The E. G. HILL CO., Wholesale Florists.

Fort Wayne, Ind.

Charles T. Siebert:—I can truthfully say your
Zinc Points are the best I ever used. They are
easily driven and withdrawn and are stiff. Being
straight on one side they can be driven accurately;
consequently the breakage of glass is very
small. I have some in use four years and they
are still in their place as good as new.

W. S. ROEBECK.

Springfield, Ohio.

Chas. T. Siebert:—You no doubt know by the
229 lbs. of Zinc Points we have ordered from
you that we consider them the best on the mar-
ket. We have four new houses under way, each
255 feet in length, and will soon have to place
our order with you for quite a lot of more
glazing points. We are, very truly,

THE GOOD & REESE CO.,

The Largest Rose Growers in the World.

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AZALEA INDICA.

Shipments
arriving in
fine condition.

Are offering best American market varieties ONLY. No cheap,
assorted case lots. 10 to 12-inch crowns, per 100, \$35.00
12 to 14-inch crowns, per 100, \$45.00; 14 to 16-inch crowns, per 100, \$55.00

Adiantum Cuneatum. $2\frac{1}{2}$ -inch, \$2.50 per 100

Assorted Ferns. For Dishes.
\$2.50 per 100

BOSTON FERN. $2\frac{1}{2}$ -inch, \$4.00 per 100

Asparagus Sprengeri.

$2\frac{1}{2}$ -inch.....\$3.00 per 100

Primula Chinensis Fimbriata Alba. \$2.50 per 100.

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Etc.

The STORRS & HARRISON CO., Painesville, O.

LATANIAS.

Large Stock of
Clean, Healthy Plants.

2-inch.....60c per doz; \$5.00 per 100	3-inch....\$1.00 per doz; \$8.00 per 100
4-inch.....12-14 inches high.....4-6 leaves.....25c each; \$3.00 per doz.	
5-inch.....14-15 inches high.....5-6 leaves.....50c " 5.00 "	
6-inch.....15-16 inches high.....5-6 leaves.....75c " 7.00 "	

BOSTON FERNS.

4-inch.....\$2.00 per doz. \$16.00 per 100	6-inch.....\$6.00 per doz. \$50.00 per 100
5-inch.....3.00 " 25.00	Larger sizes up to.....5.00 each.

Send for complete illustrated price list, mailed free.

THE GEO. WITTBOLD CO., 1657 Buckingham Place, CHICAGO

Mention The Review when you write

Kentia Belmoreana!

Pots.	Leaves.	Height.	Per 100	Per 1000
$2\frac{1}{2}$ -in.....	4 to 5.....	18 to 20 in....	\$10.00....	\$ 85.00
3-in.....	4 to 6.....	20 to 24 in....	15.00....	115.00
4 in.....			20.00....	160.00

Asparagus Plumosus.

$2\frac{1}{2}$ -in. pots.....	\$3.50 per 100	\$30.00 per 1000
3-in. pots.....	7.00 "	65.00 "

Rooted Carnation Cuttings.

Lillian Pond.....	\$5.00 per 100	\$40.00 per 1000
Enchantress.....	6.00 "	50.00 "

Delivery November 1st.

The Queen.....	\$5.00 per 100	\$40.00 per 1000
Lawson.....	3.00 "	25.00 "
Prosperity.....	3.00 "	25.00 "

Delivery December 1st.

SAMUEL S. PENNOCK,

1612 Ludlow St., Philadelphia.

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ORCHIDS.

We offer a fine lot of Cattleya Dowiana in
sheath and bud. Importations expected
of Dendrobium nobile, D. densiflorum Cy-
priopodium insignis, C. hirsutissimum,
Cattleya gigas and C. trianae.

Lager & Hurrell, Growers and Importers... Summit, N. J.

Mention the Review when you write.

SMILAX

5000 extra strong Smilax plants.
2-inch, at.....\$1.00 per 100
Asparagus Sprengeri—From Feb-
ruary sown seed, 2-inch pots.....2.00 "
1000 Norway Carnation Plants.
to close out.....3.50 "

JOHN BROD, - - Niles Center, Ill.

Mention the Review when you write.

Clematis, Hardy Shrubs ROSES, Etc.

Buy now and get first choice of stock. Prices
will be higher and stock not so select in the
spring. If not planted now these hardy plants
keep well trenched in the open ground, and will
be ready in spring when wanted.

Clematis—Finest large-flowered sorts, purple,
white, lavender, red, etc. 2-year 18c, 1-year 9c.

Clematis Paniculata—Extra fine, 1c, 2-year
6c, second size 1c.

Ampelopsis Veitchii—2-year, fine, 10c, second
size 5c.

American Ivy—2-year, fine, 8c.

Iris Japanese—8c.

Roses—Assorted H. P. varieties—Coquette des
Alps, Jules Margottin, Gen'l Jacqueminot, etc.
Also Crimson and Yellow Rambler. Queen of
Prairie and the newer trailing roses. 2-year, first
size 12c, second size 7c.

Clothilde Soupert—Finest pot rose grown.
2-year 10c, second size 7c.

Crimson Rambler—XXX selected long canes
for forcing. 10c.

Hydrangea Pan. Grand.—Finest hardy
shrub; bushy plants. 10c; fine tree-shaped spec-
imens, very handsome. 25c.

Golden Glow—Most popular perennial, 5c.

Hardy Phlox—Choicest varieties 10c.

Peonies—In fine assortment, 12c. Deutzias,
including Lemoinei and Gracilis. Altheas, Wei-
gelias, Hon. yauclies, Spireas, Japan Quince, etc.
Best sorts and sizes 10c. Also California Privet,
Fruit and Ornamental Trees, etc. Careful atten-
tion to large or small orders, with expert pack-
ing, which is free, and light as consistent with
safety. Cash, please.

W. H. SALTER, Rochester, N. Y.

Mention The Review when you write.

Cyclamen gigan.—Large flowering, 3-in., ready
for 4-in., \$5.00 per 100; 4-in., \$10.00 per 100; 5-in.,
well budded or in bloom, \$15.00 per 100.

Asparagus Sprengeri—From flats, \$1.00 per 100;
\$5.00 per 1000. $2\frac{1}{2}$ -inch, \$1.50 per 100; \$12.50 per
1000.

Primroses, Chinese and Oboonica, $2\frac{1}{2}$ -inch.
2.00 per 100; 300 for \$5.00; 3-inch, \$3.00 per 100.
4-inch, \$6.00 per 100.

Cinerarias— $2\frac{1}{2}$ -inch, \$2.00 per 100.

SAMUEL WHITTON, 15-17 Gray Ave., UTICA, N. Y.

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BARGAINS IN PALMS

We have a quantity of large and medium sized stock for decorative purposes. Must have room.

LET US MAKE YOU PRICES.

C. C. POLLWORTH CO., MILWAUKEE, WIS.

Mention the Review when you write.

HOME AGAIN-ROOM NEEDED

I and my son Howard have just returned from our annual business trip to Europe. Amongst the 700 or 800 florists which we visited in the Azalea district in Ghent, Belgium, we secured the cream of the market. In Azalea Indica we were successful in getting the best sorts—Mme. Van der Cruyssen and other best varieties that money could buy; all leading American varieties. Have enough to supply all wants. For Xmas forcing are Deutsche Perle (double white), Simon Mardner (d. pink), Vervaekeana (d. rose variegated). For Easter, also the same varieties Mme. Van der Cruyssen, Paul Weber, Niobe, Bernard Andre Alba, Imperatrice des Indes and about 12 more good sorts. Prices from 40c, 50c, 60c, 75c to \$1.00 each.

Spring Importation of Araucarias.

Araucaria Excelsa our specialty — 5½-in. pots, 3 to 4 tiers, 13 to 16 inches high, 60c each. 5½ to 6-in. pots 15 to 17 inches high, very broad, 75c each. 6-in. pots, 4 to 5 tiers, 17 to 20 inches high, 80c, 90c to \$1.00 each.

Fall Importation of Araucarias — Excelsa, 8 to 12 inches high, 3 tiers, 50c each.

Ficus Elastica, Rubber Plants (have 2000), fine, strong plants, 6-in. pots, 20 to 25 inches high, \$4.00 to \$5.00 per doz. 5-in. pots, strong, 25c each; \$3.00 per doz.

Kentia Forsteriana and Belmoreana, 6-in. pots, 30 to 40 inches high, \$1.00 each. 4-inch pots, fine, clean stock, \$ 5.00 per 100.

Areca Lutescens, 4-in. pots, \$10.00 per 100.

Cycas Revoluta (Sago Palm), perfect, 6-7-in. pots, from 4 to 8 leaves at 9c per leaf.

Boston Ferns, 6-inch pots very strong, 25 to 30 fronds to a plant, from 25 inches up in height, 50c, worth 75c.

Ferns (for fern dishes), finest varieties, 2½-inch pots, only \$4.00 per 100, worth \$5.00.

Primula Chinesis, for Xmas blooming, all colors, 4-in. pots, \$6.00 to \$7.00 per 100. 5-in. pots, \$1.80 per doz.

Cineraria Hybrida (Michell's finest strain), 3-in. pots, \$4.00 per 100.

Dracaena Lineata, new, strong plants, 50c each.

Dracaena Bruni, just right plants for stores, ballrooms etc., 25 inches up, 6-inch pots, 50c each; per doz., \$5.00.

Solanum or Jerusalem Cherries, 5 to 5½-in. pots, strong, full of berries, \$2.00 per doz.

Vine Variegata and English Ivy, field-grown, large plants for 4-in. pots, only \$5.00 per 100.

Cash with order please. Plants are shipped at purchaser's risk. Please state if pots are wanted.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants,
1013 Ontario St., PHILADELPHIA, Pa.
Bell Phone Tloga 3669 A.

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Geraniums. READY NOW.

Viaud and Castellane....\$15.00 per 1000

Buchner and Nutt..... 10.00 "

ROOTED CUTTINGS—Send for list.

ALBERT M. HERR, Lancaster, Pa.

Mention the Review when you write.

SOUTHERN FIELD-GROWN DOUBLE WHITE AND COLORED DAHLIAS

(Cut Flower) Shipped to any address at \$4.00 per 100. Satisfaction guaranteed. Cash with order.

Xavier Grillo, Marigny Ave., near Gentilly Ave., NEW ORLEANS, LA.

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Winter Flowering Roses.

Fine healthy stock from selected cuttings. Sunrise, American Beauty, La France, 3-in pots, \$7.00 per 100.

Brides, Maids, Golden Gates, Meteors, Safrano, Bon Silene, Mme. Hoste, Papa Gontier, 3-in. pots, \$5.00 per 100.

GRAFTED ROSES. Fine bushy plants in 3½ and 4-in. pots.

Liberty, Ivory, \$15.00 per 100. Brides, Maids, Golden Gates, Kaiserin, \$12.00 per 100.

J. L. DILLON, BLOOMSBURG, PA.

Mention Review when you write.

500,000 Herbaceous Plants

IN ALL THE LEADING VARIETIES at ridiculously Low Prices.

ASK FOR OUR SPECIAL OFFER.

BOBBINK & ATKINS, Rutherford, N. J.

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Primroses..

	Per 100
Chinese, single, mixed, 2¼-inch pots.....	\$2.00
Obconica, alba and rosea, 2¼-inch pots....	2.00
Asparagus Sprenger, 2¼-inch pots.....	2.00
Plumosa.....	2.50
P. W. Narcissus, bulbs.....	1.00
Fancy Plants, \$3.00 per 1000.....	.50

CASH.

JOS. H. CUNNINGHAM
DELAWARE, OHIO.

Mention the Review when you write.

JOHN SCOTT,

Keep St. Greenhouses, Brooklyn, N. Y.

Headquartersfor **Bostons**

Fine "PIERSONI" in 2¼-inch pots.

The Cottage Gardens' Collection of Cannas.
Grand stock. Send for particulars.

Mention Review when you write.

S. S. SKIDELSKY,

708 North 16th Street,

Philadelphia, Pa.

CORRESPONDENCE SOLICITED.

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Geraniums, Etc.

From 2¼-inch pots. GOOD STOCK.

Not less than FIVE of any one variety sold.

Alternanthera, 7 varieties, \$3.00 per 100; \$17.50 per 1000.

	Per doz.	Per 100
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Abutilon in variety.....	40c	\$2.00
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Acalypha Macaefeeana.....	40c	2.00
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Ageratum, Stella Gurney and white, 40c	40c	2.00
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Baby Primrose, "Primula Forbesii", 40c	40c	2.00
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Coleus, 10 varieties.....	40c	2.00
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GERANIUMS, double, single and scented, in good variety, young, healthy stock.....

Hardy English Ivy.....	40c	2.00
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Holt's Mammoth Sage.....	40c	2.10
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Lemon Verbena.....	40c	2.50
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Lantana, 10 varieties.....	40c	2.00
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Parlor Ivy.....	40c	2.00
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Pilogyne Suavis.....	50c	2.50
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Strobilanthes Dyerianus.....	50c	2.50
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Swainsona Alba.....	40c	2.00
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Rosea.....	40c	2.00
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Tritoma Pfitzeri, 2¼-inch pots.....	75c	4.00
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Uvaria, 2¼-inch pots.....	60c	\$2.50
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Notice our Vegetable Plant advertisement in this issue. Cash with order please.

Write for prices on large lots for future delivery. Send for Trade Price List.

R. VINCENT, JR. & SON,
WHITE MARSH, MD.

Mention the Review when you write.

Heacock's Palms....

See price list, page 899, issue of Oct. 22.

JOSEPH HEACOCK,
WYNCOTE, PA.

GROWERS ALL OVER THE COUNTRY WRITE SIMILAR LETTERS

OSSINING, N. Y.
I have used your FUMIGATING POWDER for some years and I have always found it first-class; there is no danger of it killing anything except the green fly, which it does with dispatch. I never use anything else for insecticide, nor do I wish anything better.
Yours truly,
C. BARSON.

BATH, ME.
We use your Fumigating Powder and we are never troubled with aphids; it does not harm the blooms in the least, and we find it the cheapest way to fumigate—and we have tried everything that is on the market.

Yours truly,
JOHN H. RAMSEY & CO.

NORTHAMPTON INSANE HOSPITAL, MASS.
After using your Fumigating Powder I must say that in fifteen years' experience with various methods of killing aphids, I find this the most effectual and economical method I have yet tried.

Yours respectfully,
GEORGE W. THORNILY.

BAYSIDE, N. Y.
I have been using your Fumigating Powder for the last three years and find it very effective. It is cheaper than the extracts and does not shrivel the carnation as stems do. Smoking two nights in succession will kill the green fly.

Yours truly,
WM. BELL.

We will mail at your request our booklet telling about the FUMIGATING KIND TOBACCO POWDER. We guarantee satisfaction or money back. Free trial bags for the asking. THE H. A. STOOHOFF CO., Tobacco Powder Hobbyists, 118 West St., New York.

Mention the Review when you write.

CINCINNATI.

The Market.

Business continues much the same as last week. There is a good supply of stock, but the wholesale houses are usually sold out by noon. Funeral work has used large quantities of short-stemmed flowers. There was a killing frost on Friday night, and the effect is felt in the upward tendency of prices. There is a fairly large supply of 'mums, but the A1 stock is limited and much sought after by the trade. Fancy goods bring 20 cents, but that is about highwater mark so far. Some first-class Robinson grown by B. P. Critchell sell at sight. Good pink and yellow are still scarce, and it will be a week before the demand will be supplied. Medium and small 'mums also find ready buyers.

Roses are not quite so abundant, and they are selling at higher figures. The best stock in Brides, Maids, Gates, etc., brings \$6. Brides, if anything, are hardly equal to the demand, but short-stemmed Maids are in oversupply. Liberty, Meteor and Beauties are scarce. Carnations are much the same as last week, but they are keeping much better. Violets are doing better this year than usual. Good stock now brings 75 cents per 100, with Princess of Wales at \$1. Some very good smilax is to be had, but Sprengeri is scarce.

Notes.

The first exhibition of the Cincinnati Florists' Society will be held in the club room on Saturday, November 14. It will be devoted exclusively to chrysanthemums, the following prizes being offered: Vases of white, pink and yellow 'mums, 12 blooms each, first, \$6; second, \$4; third, \$3. Best vase Bonnaillon, 25 blooms, first, \$10; second, \$8; third, \$6. Best general display, \$10. The society's certificate of merit will be awarded to all novelties and seedlings judged worthy of same. Growers will please ship all exhibits prepaid, care Superintendent Jabez Elliott Flower Market, and the society will look after staging. A good show is looked forward to, as the trustees are making special efforts to make it a success.

"Doc" Sunderbruch gave his friends a surprise by being quietly married to Miss Lulu Genert on October 21. After the wedding the happy couple journeyed to Covington, Ky., where they will reside with the bride's parents.

G. A. Parker, of Hartford, Conn., was a visitor, also Herbert Heller, of New Castle, Ind.
C. J. OHMER.

COLORADO SPRINGS, COL.—Frank F. Crump is building a house 12x150 feet for violets.



NICOTIDINE

FREES
Your Blooms
FROM
BUGS

Tobacco Warehousing & Trading Company,
Louisville, Ky.

SULPHO-TOBACCO SOAP.

COMBINES THE STRONGEST

TOBACCO EXTRACT

with Sulphur and Alkali. Never fails to

KILL BUGS AND INSECTS

GREENHOUSE STOCK

kept healthy by using this popular Insecticide. Satisfaction guaranteed. Prices low. Write for sample cake.

Larkin Soap Co. BUFFALO, N. Y.

Mention the Review when you write.

"Thripscide"

The best Greenhouse Fumigator and Preventive on the market, especially Thrips. 1 lb. can, 25c; 5-lb. can, \$1.00; 25-lb. box, \$4.50; 100-lb. box, \$16.50.

Sent to any address on receipt of price. Can be had from jobbers.

THE LILLY-LILLY CHEMICAL CO., Mfrs.,
96 Fifth Avenue, CHICAGO.

Mention the Review when you write.



HITCHINGS & CO.

233 MERCER STREET, NEW YORK.
GREENHOUSE BUILDING.

VENTILATING APPARATUS

HOT WATER BOILERS, PIPES AND FITTINGS.
SEND FOUR CENTS FOR CATALOGUE.

Mention the Review when you write.

TO-BAK-INE

APHIS....PUNK

DEATH TO THRIPS

Green and Black Fly

and all Greenhouse Pests

Specially prepared paper thoroughly saturated with **PURE NICOTINE**

Can be EASILY used

POSITIVELY EFFECTIVE

FREE FROM AMMONIA

Will not injure any greenhouse plants.

1 Box (12 Rolls).....\$0.60

1 Case (12 Boxes)..... 8.50

MANUFACTURED ONLY BY

DETROIT NICOTINE COMPANY.

E. H. HUNT, 76-78 Wabash Ave., CHICAGO
Selling Agent.

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ARE YOU USING

The Model Extension Carnation Support

If Not, Why Not? Over Three Million in use

Our Catalogue can be had for the asking.
It tells why you should use them.

The Parker-Bruen Man'g Co. Inc.,
206-8 Jersey St., HARRISON, N. J.

Mention the Review when you write.

Wired Toothpicks

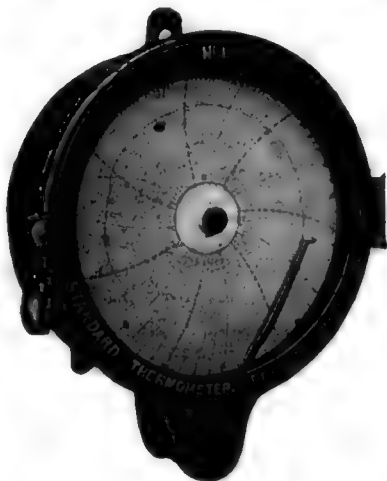
Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.50; 50,000... \$6.25. Sample free.

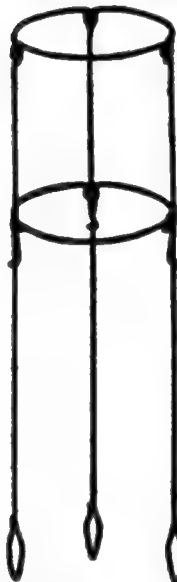
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Improved Recording **T**hermometerJUST THE THING
FOR YOUR GREENHOUSE

No. 200.

Send for catalogue and prices.

THE HELIOS-UPTON CO.,
PEABODY, MASS.

...THE...

Model
EXTENSION
CARNATION SUPPORT.ALSO GALVANIZED
STEEL ROSE STAKES.Endorsed by all the leading
carnation growers as the
best support on the market.Made with two or three circles.
Prompt shipment guaranteed
Pat. July 27, 1897; May 17, 1898.
Write for prices and circulars.

IGOE BROS.

226 N. 9th St., Brooklyn, N. Y.

CUT FLOWER BOXES.**WATERPROOF. Corner Lock Style.**The best, strongest and neatest folding
cut flower box ever made. Cheap, durable.
To try them once is to use them always.

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No. 5	4x8	x22	3.00	28.50	
No. 6	4x8	x28	3.75	36.00	
No. 7	6x16	x20	3.50	34.00	
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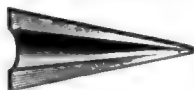
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G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

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334 Dearborn Street, Chicago.

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Entered at the Chicago post-office as mail matter of the second class.

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INDEX TO ADVERTISERS.

This index covers only those having displayed advertisements. There is a host of others making offers in our classified ads. and they will be found there under their proper headings.

Allen, J. K.	930	Gude & Bro. A.	934
Am. Wooden Ware Co.	949	Gullett & Sons	943
Amling, E. C.	925	Guttman, A. J.	931
Aschmann, Godfrey	947	Hammond, J. A.	930
Bache, Semon & Co.	951	Hauswirth, P. J.	934
Backer & Co.	942	Heacock, Jos.	947
Baker, W. J.	929	Heiss, J. B.	915
Ball, C. D.	929	Heller Bros.	929
Barnard & Co.	913	Hellios-Upton	919
Bassett & Washburn	932	Herr, A. M.	947
Bayeradorfer & Co.	914-943	Herrmann, A.	942
Beckert, W. C.	927	Hicks & Crawbuck	931
Bencke, J. J.	934	Hill Co., E. G.	929
Bentley & Co.	932	Hippard, E.	951
Berger, H. H. & Co.	914	Hitchings & Co.	948-50-52
Bernheimer, E.	929	Holton & Hunkel Co.	919
Berning, H. G.	933	Hunt, E. H.	932-48
Blackstone, Z. D.	934	Igoe Bros.	949
Bobbink & Atkins	947	Indiana Chrys. Show	944
Bonnot Bros.	930	Jacobs & Son	951
Bowe, M. A.	934	Johnson & Stokes	929
Bradshaw & Hartman	930	Jurgens, Aug.	932
Brague, L. B.	931	Kaating, W. F.	913
Brant & Noe	932	Kellogg, Geo. M.	929
Breitmeyer's Sons	935	Kennicott Bros. Co.	913
Brod, J.	946	Kimberly, F. H.	945
Bruns, H. N.	932	Kramer & Son	951
Buckley Plant Co.	945	Kreshover, L. J.	950
Budlong, J. A.	932	Kroeschell Bros. Co.	952
Burpee, W. Atlee & Co.	927	Kuehn, C. A.	933
Caldwell Co., W. E.	950	Kuhl, Geo. A.	942-43
Caldwell The Woodsman Co.	942	Lager & Hurrell	946
California Carnation Co.	945	Lake View Rose Gardens	928
Century Flower Shop	934	Lange, A.	934
Chicago Carnation Co.	913	Langjahr, A. J.	930
Clarke Bros.	934	Larchmont Nurseries	944
Clarke's Sons, David	934	Larkin Soap Co.	948
Classified Advs.	936	Lecakes & Co., N.	931
Comey Co., R. H.	927	Lilly-Lilly Chemical	948
Converse Green-houses	943	Limbach, C.	951
Cottage Gardens	929	Livingston Seed Co.	949
Cowee, W. J.	948	Loomis Floral Co.	945
Crowl Fern Co.	931	Loose, J. L.	941
Crooke Co., J. J.	949	Lord & Burnham	952
Cunningham, J. H.	947	Ludemann, F.	913
Dearborn Engraving Co.	949	McColgan Bros.	926
Dickinson Co., Albert	927	McConnell, Alex.	934
Dietsch, A. & Co.	951	McCullough's Sons	933
Diller, Caskey & Co.	950	McCray Refrigerator Co.	943
Dillon, J. L.	947	McManus, Jas.	950
Dillon Greenhouse Mfg. Co.	952	McMorran & Co.	951
Dixon Crucible Co.	949	Meehan & Sons	926
Dorner, F. & Sons Co.	945	Meldrum Co.	944
Dreer, H. A.	949	Michell Co., H. F.	914
Dunn & Co., C. A.	929	Michigan Cut Flower Exchange	933
Dunne & Co.	949	Millang, A.	931
Eickholt, Mrs. Chas.	934	Millang, C.	930
Elliott, J. L.	951	Millang, F.	941
Ellis, F. M.	933	Moninger Co., J. C.	951
Ernst & Son	944	Moon Co., W. H.	926
Fellouria, A. J.	933	Moore, Hentz & Nash	930
Finley, C. E.	949	Moss, Isaac H.	945
Florists' Hall Asso.	950	Muno, John	932
Foley, J. J.	933	Murphy, Wm.	943
Foley Mfg. Co.	951	National Florists' Board of Trade	931
Ford Bros.	931	Naumann, G. M.	933
Foster, L. H.	942	Neft, L. I.	936
Fuchs, A.	943	N. Y. Cut Flower Co.	930
Garland, Geo. M.	952	Nielsen, Leo	929
Garland, Frank	932	Oechlein Bros.	944
Gaesser Co., J. M.	934	Park Floral Co.	934
Geller, Sigmund	914	Parker-Bruen Co.	943-49
Ghormley, W.	90	Peacock, W. P.	933
Giblin & Co.	951	Pennock, S. S.	945-46
Grillot, X.	947	Perkins, J. J.	931
		Peterson Nursery	926
		Philadelphia Wholesale Flower Market	931
		Pierce Co., F. O.	952
		Pierson Co., F. B.	913
		Pierson-Sefton Co.	953

Pine Tree Silk Mills	935
Pittsburg Cut Flower Co.	928
Poehmann Bros.	932
Pollworth Co.	947
Quaker City Machine Works	951
Quinlan & Co., P. R.	944
Randall, A. L.	932
Rawlings, E. I.	943
Rawson & Co.	927
Raynor, J. I.	931
Reed & Keller	942
Regan Ptg. House	933
Reid, Edw.	929
Reinberg, Geo.	932-43
Reinberg, P.	928
Rice Bros.	99
Rice, M. & Co.	914
Riedel & Spicer	950
Robinson & Co.	914
Rock, W. L.	934
Roehrs, Julius	913
Ryerson, U. C.	942
Salter, W. H.	946
Saltford	931
Saltford, Geo.	930
Schmitz, F. W. O.	914
Scollay, J. A.	952
Scott, John	917
Scott, W.	935
Sharp, Partridge Co.	952
Sheridan, W. F.	930
Shibley	934
Siebert, C. T.	946
Siebrecht & Son	934
Sievers & Boland	934
Silliman, I. C.	944
Sinner Bros.	932
Skidelsky, S. S.	945
Slinn & Hughes	930

Smith & Son, N.	945
Smith Co., W. & T.	926
South Park Floral Co.	929
Sprague Smith Co.	951
Stern & Co., J.	942
Stewart, S. B.	935
Stochoff, H. A.	948
Storrs & Harrison Co.	927-46
Stump & Walter Co.	927
Superior Machine & Boiler Works	953
Swanson, Aug. S.	931
Thorburn, J. M. & Co.	927
Tobacco Warehouseing & Trading Co.	948
Traendly & Schenck	931
Turner, D.	942
Vesey, W. J. & M. S.	945
Vincent, Jr. R. & Son	947
Virgin, U. J.	935
Vredenburg & Co.	927
Wabash, R. R.	949-51
Wagner Park Conservatories	945
Weber, F. C.	934
Weber & Sons	943
Weiland, M.	934
Weiland & Risch	932
Whitton, C.	945
Whitton, S.	946
Wiegand & Sons	934
Wietor Bros.	932
Wilks Mfg. Co.	950
Williams Co., F. B.	929
Winterson Co., E. F.	928
Wittbold Co.	934-46
Young, John	930
Young, J. W.	929
Young & Nugent	930

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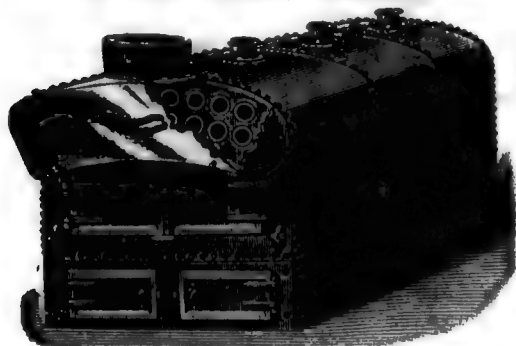
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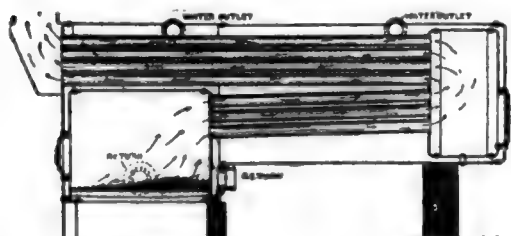


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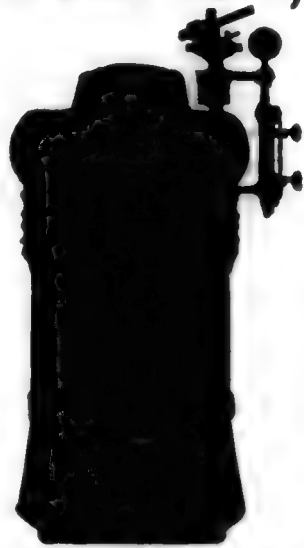
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FLORISTS' PUBLISHING CO., 520-535 Caxton Building, CHICAGO.

Vol. XII.

CHICAGO AND NEW YORK, NOVEMBER 5, 1903.

No. 310.

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THE RETAIL

FLORIST.....

DRAPERY STUDIES.

II—Climbing.

Climbing drapery should be more used. Nature furnishes many examples of this style, as the majority of vines aspire to climb. Their methods and habits form interesting studies for the subject in hand. How a Virginia creeper begins the ascent of a tree trunk can be seen without two eyes. It sends some long shoots nearly straight up, others circle around, and still others steer a midway course, somewhat like the sketch reproduced herewith. How like a tree trunk a pillar is! How like the creeper on the tree is our garland on the pillar!

For a variety in this style of drapery study the climbing habits of clematis, wistaria, madeira and other vines, common or uncommon, the more the better. Distinguish between the contours formed by the general outlines of the plants. A knowledge of as many different forms of plant life as possible should be acquired, and a little sketch book kept for rough drafts. By this means of observation and recording different types of natural form will be impressed on the mind for future use as occasion requires. Here and there they will fit into nooks and corners, panels, arches, etc., astonishingly easily.

Greenhouse smilax, as it is ordinarily cultivated, has no character as a climber. Therefore it is virgin material in our hands, and will be most commonly used in this series for illustrations.

A panel of smilax nearly solid can be made like a clematis vine or like a brick, according to the admixture of "grey matter" or its absence. After laying in the solid part, get some sprays separated from the main body, run them out in different directions, loosen a few from the top, and let the whole plan begin to smack of the clematis flavor. It will if it has half a chance.

A wistaria when trained on a flat surface spreads far out at the top, tree like. Try this scheme for a wall piece, and if there are pictures or window frames, or doors within reach, extend the upper sprays loosely and gracefully over them and down a short distance. A Crimson Rambler will present a similar outline except that its sprays extend more generally upward than outward. A hop vine often climbs over itself, and these intertwined branches when pulled apart form a very pretty design for climbing drapery.

During the season when any of the outdoor vines can be cut from the ground or greenhouse the whole plant can be cut, and if properly soaked will last a day or two after being put up for decorations.

GERTRUDE BLAIR.

YOU WOULD find a copy of the Florists' Manual, by William Scott, the greatest money saver you can add to your equipment.

ROSES.

Importance of Ventilation.

The excellent weather we have had during the past few weeks should have put roses into fine condition for winter, as there was every opportunity to give ample ventilation, both night and day, which, if properly attended to, would conduce to the production of hard foliage of good substance, a most essential feature to start the winter with.

Year after year complaints arrive from the less experienced, and sometimes from those who have been long enough at the business to be classed as experts, about the poor quality of stem and foliage. This arises, in great measure from ignorance or carelessness of the laws of ventilation, especially as applied after fall firing begins. So soon as it is necessary to use heat they seem to be afraid to ventilate. Whether it is with the object of conserving the heat or that they are afraid of the plants getting cold it is hard to say, but a usual practice is to

The subject of ventilation is of so much importance, especially at this season, and seems to be so little understood by some of the younger growers, that a few words on the theory and practice as countenanced by experts may be of some value. When we bear in mind that the rose is neither a tropical nor greenhouse plant, but is truly a native of temperate climes, we will see the necessity of giving it a free and ample supply of fresh air when we confine it to the greenhouse, as it is only there for the reason that we wish to change its season of blooming. If we intend it to do good work we must attend strictly to its wants, which by this course of treatment we have debarred nature from fulfilling. And one of these principal wants is a constant supply of pure, fresh air, heated to a temperature which as near as possible approaches the natural temperature.

To accomplish this we have ventilators of the most approved patterns and suitable heating apparatus and only require the knowledge and practice of manipulating these in a common-sense way to induce the suitable conditions.

As practiced by experts ventilation consists of gradually raising the ventilators in the morning as the day warms. Thus, if the thermometer shows at 7:30 or 8 o'clock a temperature of 60 to 62 degrees and indicating a tendency to rise, the ventilators should be raised just so much as to allow it to remain at that figure without falling below it. After an interval of half an hour or so it will be found a few degrees higher, when



How like a tree trunk are the columns the florist must decorate.

close the ventilators at nightfall and keep them closed till the sun heat compels them to be opened. The consequence of such a practice is a crop of soft, flabby foliage, which is caused by stagnant air and condensed moisture. This, if allowed to happen frequently or to continue for any length, will so enervate the whole plant that it becomes very susceptible to trouble and certainly suffers when first exposed to fresh air.

they should be raised a little again, but never so that the temperature will drop. When reducing air during the afternoon the same care must be used, so that after lowering the ventilators the temperature should not rise above the mark indicated.

Regarding night ventilation, when the weather is mild, four or five inches will not be too much, and even when the

weather is cold a small crack is essential to ensure good air circulation.

By rigidly adhering to this practice we have better foliage and stem and the blooms will be of superior size and quality, the percentage of bullheads and malformed buds will be much less and the keeping qualities of the blooms will be enhanced, while the health and vigor of the plant, enabling it to successfully cope with troubles and disease, will amply repay the extra fuel used. RIBES.

CARNATION NOTES—EAST.

Handling the Product.

After having given your plants every attention they demand and your efforts begin to show that good returns are in sight, it is well to consider the means whereby the finished product can be put before the buyer in the best possible condition, not only in appearance, but also in lasting qualities.

Intelligent packing has everything to do with appearance of what was first-class stock when packed. Lasting qualities depend on time and manner of cutting, condition of plant and bloom when cut, method of handling after cut and also on fertilizers employed in their production. The method of tying in bunches of twenty-five or more, while facilitating the work of putting up orders, has little to commend it, at least, when the prevailing manner of bunching is practiced. I could never see the sense of winding a string numerous times around the stems for two-thirds their length. It not only invites damage to the blooms by crowding them into a solid mass, but the foliage is also injured and rendered unsightly.

It would seem more in keeping with the object for which these smiles of nature are intended if some skill were displayed in arranging these bunches for packing. As the item of expense must be considered, I know circumstances demand that certain grades be handled in this way, but I would put no more than twenty-five in a bunch and proceed as follows:

Remove the foliage for a distance of about four inches from the end of the stems; two turns of raffia an inch or so from the base of the bunch; tie moderately firm. This will allow the blooms to be spread out in a fan-shape when packed, the advantage of which is obvious.

With high grade stock it is economy

to pack each bloom singly, using shallow boxes of sufficient length to allow the heads to occupy both ends, the space in the center, containing the stems, being filled in a manner to prevent shucking. Rolls made of extra grade excelsior wrapped with wax tissue should be put under the calyxes to prevent injury to the petals. Tissue paper will also be needed between layers and over stems where they would come in contact with blooms. These boxes can be of heavy cardboard and several crated or boxed together for shipment, or of light wood designed to be strapped or tied together, the remaining feature being to provide against damage by frost.

The subject of keeping qualities will be taken up next week.

GEO. S. OSBORN.

SALT FOR CARNATIONS.

In Mr. Baur's notes in the REVIEW of October 8 he says: "Spraying the plants overhead with salt water will help to stiffen the stems a little." The writer remembers when he was a boy his father sowed salt on wheat in the spring to stiffen the straw and prevent it falling before ripening, when on strong land. Acting on this principle, I have found it has the same effect on carnations. It not only stiffens the stems, but as it makes the grains of wheat larger and more plump, so it improves the quality and color of the carnation bloom.

I use a good handful of salt to two rows across a five-foot bench and water it in well, and repeat the dose in three or four weeks. After a few days you will notice the plants taking on that beautiful blue color we all so much delight to see. These two doses I have found to be sufficient until the weather gets bright again, toward spring, when the operation can be repeated.

Our soil is a limestone, as we are in the blue grass region, and while it acts finely here, it might not produce the same results in different soil, so it might be well to experiment a little before using much salt. I hope Mr. Baur will try the salt, and some time during the winter, or as soon as he can, give the trade the benefit of his experiment. I always delight to read his notes in the REVIEW because they are so full of that best of ingredients, common sense. S. M. HARBISON.

IF YOU have retail orders to be delivered in other cities consult the advertising page headed "Leading Retail Florists."

C. S. A. ANNUAL MEETING.

Unless all signs fail, the exhibition of the Chrysanthemum Society of America and the American Institute, at New York next week, November 10 to 12, will be all that its promoters have striven to make it, the greatest feast of chrysanthemums we have ever seen. The Herald Square Exhibition Hall is certainly the largest and best lighted hall in New York to-day. There is abundant space to display all the exhibits that may be brought, and under perfect daylight their merits can be seen to the best advantage, and true color values appreciated. It rests now with those who have the material to bring it to the show. Intending exhibitors who have not already done so will help the management materially by at once sending their entries to Dr. F. M. Hexamer, 52 Lafayette place, New York City. The regulations call for exhibits to be in position by noon of Tuesday, November 10, and judging will be commenced at 1 p. m. It is the intention to adhere strictly to these regulations, so that all judging may be completed and the awards made when the show opens to the general public at 3 p. m. Thoroughly competent judges have been selected by the executive committee of the C. S. A. There will be nine judges, working in groups of three, so there should be no undue delay in rendering decisions, except where unavoidable through closeness of competition demanding prolonged, careful deliberation.

A meeting of members of the C. S. A. will be held on the second day of the show, at 3 p. m. Anyone wishing to join the society can do so previous to this meeting by paying \$1, and participate in the meeting. In addition to the regular business, there will be an important lecture on the diseases of the chrysanthemum, delivered by Professor George E. Stone, of the Hatch Experiment Station, Massachusetts Agricultural College. This should be a fertile theme for discussion, and cannot fail to be helpful to all growers.

A. HERRINGTON, Pres.

The preparations for the New York exhibition of the Chrysanthemum Society of America are about completed. The show will open November 10 and flowers must be ready for judgment by noon of that day. The judging will be done by three committees of three each. These are gentlemen of national repute as chrysanthemum experts, and the work



Herald Square Exhibition Hall, where the American Chrysanthemum Society's Fall Show will be held next week.



House, 33x200 feet, of Chrysanthemums, at Florham Farms, Madison, N. J.

will be so divided as to facilitate judging.

The meetings of the society will be held on the same floor as the show, and members are requested to gather at 3 p. m., November 11, the second day of the show, for the convention. Matters of great importance to the members of the society will come up. The president's address will be of great interest to all the members.

Prof. Geo. E. Stone, of the Hatch Experiment Station of the Massachusetts Agricultural College, will lecture on "The Diseases of the Chrysanthemum."

This exhibition promises to be the greatest ever held in New York.

FRED H. LEMON, Sec'y.

CHRYSANTHEMUM SOCIETY.

There were six varieties before the Chicago committee Saturday, October 24. The results of the committee's examination are as follows:

Mrs. H. W. Buckbee, exhibited by H. W. Buckbee, Rockford, Ill.; pure white, center incurved, outer petals reflexed, Japanese; scored commercial scale, 91 points.

Rockford, by the same exhibitor, yellow, Japanese incurved; scored commercial scale, 88 points.

Cinna, exhibited by the E. G. Hill Co., Richmond, Ind.; deep yellow, Chinese type; scored commercial scale, 85 points.

Lord Hopetoun, by the same exhibitor; color of Geo. W. Childs, Japanese; scored commercial scale, 87 points.

Ethel Fitzroy, by the same exhibitor, bronze and gold, Japanese; scored exhibition scale, 86 points.

Madam J. H. Perraud, by the same exhibitor; cream-colored Japanese; scored commercial scale, 80 points.

Andrew Morrison, gardener for Curwen Stoddart, Esq., Rydal, Pa., exhibited Seedling A before the Philadelphia committee. This variety is described as a light rose pink, reflexed Japanese; scored commercial scale 78 points, exhibition scale 83 points. In the committee's judgment, the flowers sent were past their best.

FRED H. LEMON, Secretary.

CHAMPAIGN, ILL.—Thomas Franks expects to add two more greenhouses to his plant, using considerable material which he has on hand.

THE TWOMBLY ESTATE.

The enormous 1,400-acre estate of H. McK. Twombly, at Madison, N. J., is one of the triumphs of art over nature, and infinite patience and toil and unlimited wealth have made it a "garden of the gods." What will yet be accomplished under the able management of Arthur Herrington, it would be no easy thing to say. The possibilities are unlimited, and the work already accomplished compares favorably with any of the great landscape effects of America. The grand view from the eminence on which the palatial residence has been erected reminds one of Biltmore, and the mountains alone are lacking to bring vividly to ones memory the delightful experience at Asheville, while the artistic effects and the perfection of detail are far in advance of what has been accomplished there.

The great ranges of glass, conservatories and commercial departments, are the special domain of Mr. Herrington.

Space forbids more than passing mention of the multitude of interesting features that appeal to one on every hand. Such an array of chrysanthemums! See them at the November exhibition. Miss Alice Byron is a large, early white; R. Hooper Pearson, a rich yellow; Mrs. T. W. Pockett, resembling Golden Wedding; Omega, yellow; Mrs. Coombes, pink; Lilly Mountford, pink; Mrs. R. Darby, purplish amaranth; M. Verlot, pink; Henry Hurrell, rich yellow; Robert Halliday, yellow; H. J. Jones, deep crimson; Vivian-Morel, Mrs. Henry Robinson, Lady Harriet, Timothy Eaton, of remarkable growth; the Yellow Eaton, T. Carrington, Col. Appleton, Louis La Roux, a new pink, with great possibilities, and so on without limit.

Then there are the grape houses, with their luscious product; a ton each is their record and great bunches of Muscat of Alexandria still waiting to demonstrate their sweetness to the fortunate investigator.

There are nine great orchid houses, with an assortment unexcelled in America. Four houses are 170 feet in length, three 100 feet and two seventy feet, and all "full to the muzzle" with absolutely perfect plants. Cattleyas occupy a large part of the space, all the varieties of value being represented. The stock of C. Mendelli is said to be the largest in the world. There are several benches of Cypripedium Leeannum which will be in flower for Christmas. C. insigne and C. villosum are there in quantity, also a house of calanthes and a large block of Oncidium varicosum.

The system of watering the orchids is unique. Tracks have been laid through the houses, the plants are close to the roof and a platform is built, high enough to enable the help to reach them easily. Every house is a model of cleanliness and neatness.

Three houses of Farleyense are a striking feature of the fern department, the equal of which I have never seen.

The stock of immense azaleas, fifty of them, is the largest and finest in this



Azalea Marie Louise Nine Feet in Diameter.

One of half a dozen in the collection at Florham Farms, Madison, N. J.

country or Europe. The rhododendrons and acacias cannot be excelled in size and the great bays rise to a height of twenty feet on either side of the entrance to the mansion. Everything is in keeping with the immensity of the surroundings.

A grand winter storehouse 55x100 has been completed.

Mr. Herrington has a charming home close to the estate, and Mrs. Herrington and three lovely children unite in cordial greeting and welcome to the fortunate recipient of their genial hospitality.

J. AUSTIN SHAW.

A TRIP TO RICHMOND.

I doubt if there is a town in the United States that has more in it to interest the average grower, and knowing this I ran over to Richmond on Saturday and spent Sunday and Monday, visiting the various greenhouse establishments in that quiet, beautiful little city.

Of course, the most interesting place just at present is that of the E. G. Hill Co., and I spent a full half day there, looking through the houses and chatting with the several members of the firm. The main drawing cards just at present naturally are the 'mums, and you can walk up and down and back again wondering how they grew such magnificent blooms. Surely, there has been great progress in the improvement of the chrysanthemum family in the past few years, especially in the size. There are lots of Col. Appleton and Eaton, and the yellow sport of the later variety, and they are magnificent blooms, as good as any. All the best of the recent introductions are grown in great shape, too, and among them are many varieties that should make desirable commercial varieties. Easy doers, clean foliage, good stems and blooms that will stand handling.

Perhaps the most interesting lot of all are the Australian varieties. It does look as though the growers down there had produced a new race of 'mums of exceptional size, and with all their size many of the varieties will make first-class commercial varieties. You have already read in the REVIEW about those grand sorts, Wm. Duckham and Cheltoni, and great they are, but there are many others that will become standard commercial sorts. Some of the colors are as good or better than any of the older sorts. From what I had heard about the Australian chrysanthemums I expected to see a lot of weak necks, without foliage, that would have to be tied up to a stake to hold them up, but in that I was very agreeably disappointed. The stems seem as strong as any of ours and in most cases the foliage is there, too, in plenty.

When we started in I pulled out my notebook, intending to write down the names of a few of the best ones, not only for my own use, but I meant to mention a few of the best ones in these notes. We came to one promising variety after another, each of which I felt sure we ought to add to our list of commercial varieties. No off colors nor freaks were put down, and in spite of my attempts to write down only a few of the best the list grew until I had just forty names down, running through every clear shade represented in the chrysanthemum family. We never found much sale for red 'mums, but there are several varieties that show a combination of red and gold that surely must make them sell, and they don't burn, either. You will see many of these varieties at the shows, but it will always pay you infinitely better to see them growing, if you have any idea of investing in some of them. I consider that the sight of the 'mum houses alone would have paid me well for my trip.

There are other things in plenty to interest the visitor, however, and not the least of these are Mr. Hill's new seedling roses. There are many that show great promise, and in fact, some of them have been tested enough to have proven that they will trot. Last year I mentioned a yellow rose that showed great promise and I saw it again, and am more convinced than ever of its worth. The color is a good, bright yellow, deeper than Deegen, and a much better bud than Perle. This variety is a fine grower and evidently much freer than Perle, too. There are a fine lot of reds that will easily discount Liberty in growth and productiveness, while the buds and the color are just as good, and in some cases, better. In pink there are also several fine ones that will likely find their way onto the market when sufficient stock has been worked up. There were some fine blooms, a new rose from Philadelphia named Ideal, which looks like a good rose. The color is fine.

The carnation houses were as interesting to me as anything on the place, and the stock in them is in good shape. Those of you who are swearing at Adonis ought to go and look at their house of that variety. You would stop swearing at it forthwith and resolve to find out its wants and treat it right. Enchantress is proving to be all that was claimed for it. Prosperity is doing better than I have ever seen it do so early in the season. Lillian Pond is making a fine growth, but it is not proving so early as I expected. Gov. Wolcott shows up nicely. Floriana is doing finely and so is Harlowarden. Innocence wants a little more cool weather, but is coming in nice shape. Mrs. Lawson and White Bradt are also

doing finely. Lady Bountiful, The Bell and Indianapolis are on trial and are showing up nicely. There are houses and houses of young roses, geraniums, palms and ferns, and all kinds of other stock all in fine shape, and prospects are good for a great season of business. I must add, however, that Piersoni looks fine, and those planted on the bench are making runners as fast as I have ever seen Bostoniensis make them.

Over at E. T. Grave's place you can see some fine carnations and roses. They have dropped 'mums altogether this year. A couple of large 200-foot houses planted to Bride, Maid, Sunrise, and Liberty, are in fine shape. Among their carnations their own President McKinley promises as good as any. Enchantress is doing fine, and so is their Elsie Martin. A half bench of Ethel Crocker is making some grand blooms. Fair Maid is making good blooms, and lots of them. Gov. Wolcott is doing well here, too. They have a sport from Liberty rose that looks like a winner.

At the B. K. & B. Co.'s place I found all three of the firm and as fine a lot of carnations as I have ever seen at this time of the year. The house which they point to with just pride is planted with their new Richmond Gem. For a commercial scarlet this is hard to beat, although it is not so large as many of the newer ones. There are two beds 200 feet long, and they are a perfect sea of buds. This will prove a breadwinner, I think. The Queen is so well thought of here that the plants have been topped back to make them produce cuttings. Enchantress is fine and Gov. Wolcott is producing some fine blooms, as are also Harry Fenn, President McKinley, Floriana, Dorothy and Mrs. Lawson. A few plants of Indianapolis are doing fine, and it is considered good enough that I noticed a half dozen seed pods on it already. A house of early 'mums was nearly all cut out, but some fine Appleton still remain.

At G. R. Gause's I found things in nice shape, some good 'mums just opening up and a nice lot of general retail stock.

The Fulle boys were rushed with trade on account of All Saints' day. I walked through the houses, though, and found things looking prosperous. They rebuilt all of their houses this summer and last, and they have a nice place now.

At Chessmann & Shepman's I also found all hands busy with design work, etc. This place is in much better shape than I have ever seen it. All the stock looks in fine shape, and a good season is ahead. Some fine blooms of Marie Liger were being cut. Their carnations are in nice shape, too. This firm does a large general retail business.

A. F. J. BAUR.



The Greenhouses at Florham Farms, Madison, N. J., Arthur Herrington, Superintendent.

NARCISSI IN WASHINGTON.

Please give me some pointers on growing the Paper White narcissus. They fail to bloom satisfactorily after the first year, imported from France or California. Have tried lifting the bulbs in July and August and planting again in November, and have tried leaving them in, as we have other narcissi, and still no blooms. In the latter case the bloom buds appeared by January 1 and were killed by the first cold days. The bulbs grown here are very much larger than when imported. The narcissus family, with this exception, is very much at home here and blooms last in the field six weeks.

WASH.

I would rather this communication had been sent to some one more up on the narcissus and for another reason. This inquirer and I have had frequent correspondence on the subject of bulb growing in the state of Washington. My few remarks, erroneous as they may be, will, I trust, bring out some light and expert opinion from some other of your many readers. Many of us have seen the bulbs of hyacinths, tulips, narcissi, candidum and longiflorum lilies, wonderful in size, grown in the wonderful soil and fine climate of Washington. The exhibit of these bulbs at Omaha was extraordinary.

Last fall I received from Washington a bulb of *Lilium candidum*. It was fully six inches in diameter. I grew it in an 8-inch pot and this spring it threw up three strong flower stems, each one as strong and with as many flowers as the average single stems we used to get in the old days when this was an important Easter flower. I have not seen bulbs of the longiflorum lilies, but hear that they make as fine bulbs. The hyacinths, tulips, Von Sion narcissi, and some other bulbs which I don't recall, were, if not twice as large in size, fully twice as heavy as bulbs of the same varieties imported from Holland. The Dutchman says, "Oh, yes! You have size, big bulb, but you get not so fine a flower." Whether that is correct or not I can't say. At Asheville Ex-President William R. Smith read a very interesting paper on bulb culture in the United States and the probability of our being able to produce here what we need, instead of importing. I recalled at the conclusion of the paper the exhibit of the Washington bulbs at Omaha, and then added that if they could not be grown nearer to us than the Pacific slope, they would be of little use to us, as the freight charge across the continent would make them cost more to us than the Holland bulbs, duty included, such is the cheapness of ocean freight and such is a sample of how our great railroads have us. Mr. Smith looked down at me in a fatherly way, as becomes an old gentleman to a young one, and said: "You spoke the very truth."

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I am not one who thinks it very necessary that we produce everything we eat, smoke or cover ourselves with, any more than we should produce all our own literature. What other nations can produce

better and finer than we, let us have the blessings of, and unless we need the revenue very badly, let us have it without a tax. A prohibitive tariff allows our own manufacturers to pass off any shoddy article or fictitious price on us. A low tariff, or none, on many articles would be an incentive to them to give us a genuine article, equal or better than the foreign, or lose their trade. But that they would never do, for many things they sell in a foreign market at twenty-five per cent less than we can buy it in the land where it is produced. With all that, in this broad and blessed land, with semi-tropics on the south, a frigid climate on the north, with every variety of soil and clime, there must be some spots, perhaps many, where our hyacinths, tulips, narcissi and lilies can be grown equal to Holland or any other place, and here is a field for the floricultural section of our Agricultural Department to get in some good work. It has done lots for the farmer; something is due us.

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We have received a letter from the foreman for a well-known florist in New York who calls attention to certain unprofitable practices which, while their very unprofitableness make them, we believe, seldom encountered, yet are worth occasional reference, for complete satisfaction is at the bottom of all profitable

country or Europe. The rhododendrons and azaleas cannot be excelled in size and the great bays rise to a height of twenty feet on either side of the entrance to the mansion. Everything is in keeping with the immensity of the surroundings.

A grand winter storehouse 55x100 has been completed.

Mr. Herrington has a charming home close to the estate, and Mrs. Herrington and three lovely children unite in cordial greeting and welcome to the fortunate recipient of their genial hospitality.

J. AUSTIN SHAW.

A TRIP TO RICHMOND.

I doubt if there is a town in the United States that has more in it to interest the average grower, and knowing this I ran over to Richmond on Saturday and spent Sunday and Monday, visiting the various greenhouse establishments in that quiet, beautiful little city.

Of course, the most interesting place just at present is that of the E. G. Hill Co., and I spent a full half day there, looking through the houses and chatting with the several members of the firm. The main drawing cards just at present naturally are the 'mums, and you can walk up and down and back again wondering how they grew such magnificent blooms. Surely, there has been great progress in the improvement of the chrysanthemum family in the past few years, especially in the size. There are lots of Col. Appleton and Eaton, and the yellow sport of the later variety, and they are magnificent blooms, as good as any. All the best of the recent introductions are grown in great shape, too, and among them are many varieties that should make desirable commercial varieties. Easy doers, clean foliage, good stems and blooms that will stand handling.

Perhaps the most interesting lot of all are the Australian varieties. It does look as though the growers down there had produced a new race of 'mums of exceptional size, and with all their size many of the varieties will make first-class commercial varieties. You have already read in the REVIEW about those grand sorts, Wm. Duckham and Cheltoni, and great they are, but there are many others that will become standard commercial sorts. Some of the colors are as good or better than any of the older sorts. From what I had heard about the Australian chrysanthemums I expected to see a lot of weak necks, without foliage, that would have to be tied up to a stake to hold them up, but in that I was very agreeably disappointed. The stems seem as strong as any of ours and in most cases the foliage is there, too, in plenty.

When we started in I pulled out my notebook, intending to write down the names of a few of the best ones, not only for my own use, but I meant to mention a few of the best ones in these notes. We came to one promising variety after another, each of which I felt sure we ought to add to our list of commercial varieties. No off colors nor freaks were put down, and in spite of my attempts to write down only a few of the best the list grew until I had just forty names down, running through every clear shade represented in the chrysanthemum family. We never found much sale for red 'mums, but there are several varieties that show a combination of red and gold that surely must make them sell, and they don't burn, either. You will see many of these varieties at the shows, but it will always pay you infinitely better to see them growing, if you have any idea of investing in some of them. I consider that the sight of the 'mum houses alone would have paid me well for my trip.

There are other things in plenty to interest the visitor, however, and not the least of these are Mr. Hill's new seedling roses. There are many that show great promise, and in fact, some of them have been tested enough to have proven that they will trot. Last year I mentioned a yellow rose that showed great promise and I saw it again, and am more convinced than ever of its worth. The color is a good, bright yellow, deeper than Deegen, and a much better bud than Perle. This variety is a fine grower and evidently much freer than Perle, too. There are a fine lot of reds that will easily discount Liberty in growth and productiveness, while the buds and the color are just as good, and in some cases, better. In pink there are also several fine ones that will likely find their way onto the market when sufficient stock has been worked up. There were some fine blooms, a new rose from Philadelphia named Ideal, which looks like a good rose. The color is fine.

The carnation houses were as interesting to me as anything on the place, and the stock in them is in good shape. Those of you who are swearing at Adonis ought to go and look at their house of that variety. You would stop swearing at it forthwith and resolve to find out its wants and treat it right. Enchantress is proving to be all that was claimed for it. Prosperity is doing better than I have ever seen it do so early in the season. Lillian Pond is making a fine growth, but it is not proving so early as I expected. Gov. Wolcott shows up nicely. Floriana is doing finely, and so is Harlowarden. Innocence wants a little more cool weather, but is coming in nice shape. Mrs. Lawson and White Bradt are also

doing finely. Lady Bountiful, The Bell and Indianapolis are on trial and are showing up nicely. There are houses of young roses, geraniums, palm and ferns, and all kinds of other stock all in fine shape, and prospects are good for a great season of business. I must add, however, that Piersoni looks fine and those planted on the bench are making runners as fast as I have ever seen *Bostoniensis* make them.

Over at E. T. Grave's place you can see some fine carnations and roses. They have dropped 'mums altogether this year. A couple of large 200-foot houses planted to Bride, Maid, Sunrise, and Liberty, are in fine shape. Among their carnations their own President McKinley promises as good as any. Enchantress is doing fine, and so is their Elsie Martin. A half bench of Ethel Crocker is making some grand blooms. Fair Maid is making good blooms, and lots of them. Gov. Wolcott is doing well here, too. They have a sport from Liberty rose that looks like a winner.

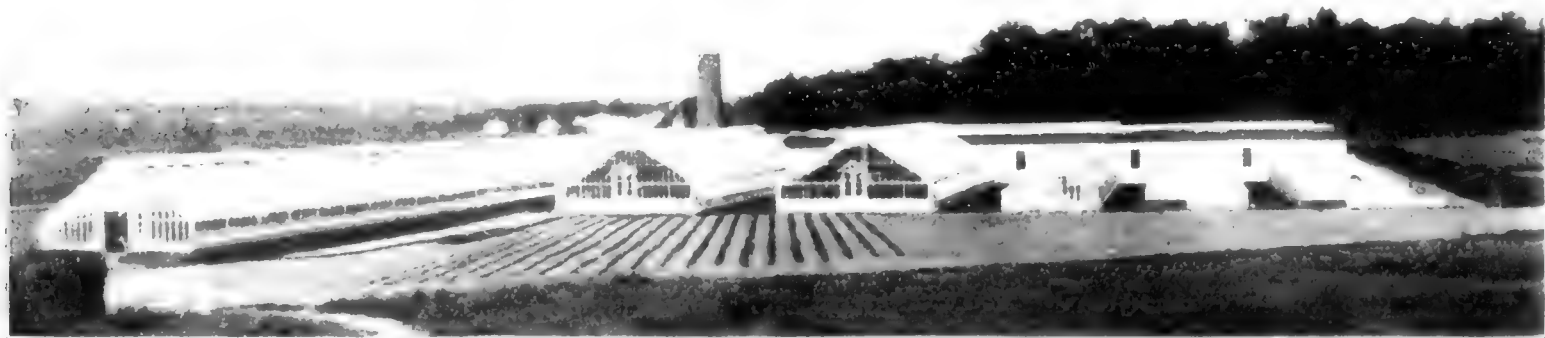
At the B. K. & B. Co.'s place I found all three of the firm and as fine a lot of carnations as I have ever seen at this time of the year. The house which they point to with just pride is planted with their new Richmond Gem. For a commercial scarlet this is hard to beat, although it is not so large as many of the newer ones. There are two beds 200 feet long, and they are a perfect sea of buds. This will prove a breadwinner, I think. The Queen is so well thought of here that the plants have been topped back to make them produce cuttings. Enchantress is fine and Gov. Wolcott is producing some fine blooms, as are also Harry Fenn, President McKinley, Floriana, Dorothy and Mrs. Lawson. A few plants of Indianapolis are doing fine, and it is considered good enough that I noticed a half dozen seed pods on it already. A house of early 'mums was nearly all cut out, but some fine Appleton still remain.

At G. R. Gause's I found things in nice shape, some good 'mums just opening up and a nice lot of general retail stock.

The Fulle boys were rushed with trade on account of All Saints' day. I walked through the houses, though, and found things looking prosperous. They rebuilt all of their houses this summer and last, and they have a nice place now.

At Chessman & Shepman's I also found all hands busy with design work, etc. This place is in much better shape than I have ever seen it. All the stock looks in fine shape, and a good season is ahead. Some fine blooms of Marie Lager were being cut. Their carnations are in nice shape, too. This firm does a large general retail business.

A. F. J. BAYL.



The Greenhouses at Florham Farms, Madison, N. J., Arthur Herrington, Superintendent.

NARCISSI IN WASHINGTON.

Please give me some pointers on growing the Paper White narcissus. They fail to bloom satisfactorily after the first year, imported from France or California. Have tried lifting the bulbs in July and August and planting again in November, and have tried leaving them in, as we have other narcissi, and still no blooms. In the latter case the blooms appeared by January 1 and were killed by the first cold days. The bulbs grown here are very much larger than when imported. The narcissus family, with this exception, is very much at home here and blooms last in the field six weeks.

WASH.

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There is, however, much to learn in every branch of our great trade. When the advertiser states that the plants are from 2 or 2½-inch pots, we naturally think that these plants had been potted for some time and are well established. But this is not always the case, and it is not only that such fresh-potted plants are always in poor condition to ship, but poor packing is also done. Some will give them a hard soaking just before packing, and squeeze the soil so hard it is impossible to break the ball without breaking all the tender roots, so that nothing is left but a rootless stick. Besides, the purchaser has to pay a large express bill for soil and water. Many of these plants are ordered to be used immediately to fill orders, and when in poor condition, it causes delay and loss.

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as his old customers will come again when they see him advertising anything they want and often he will be recommended to friends; while, on the other hand, when stock is not satisfactory, friends and neighbors will often hear of it.

When a man is sold out of certain varieties, he should never substitute, unless the purchaser tells him to do so. In the spring of 1901 we ordered 3,000 geraniums from 2½-inch pots, stating in our order that there must be in the lot at least 400 S. A. Nutt or Marvel and 400 double white, the balance his own selection but not less than 100 of a kind. Later it proved that among the 400 S. A. Nutt were only 140 to 150 true to name, the balance being different varieties of double and single scarlet. The 400 double white only contained 260 true double white, and many of the other varieties were put up in lots of 100 or more, but many were badly mixed and absolutely worthless to us. Now if this man had dealt fairly he could undoubtedly have sold to us all the geraniums he could grow afterwards.

Another class of plant dealers will, when they receive an order and find that their stock is hardly fit to send out, simply lay the order aside without acknowledgment and fill it perhaps three or four weeks afterwards. Sometimes such stock is refused, and the end of it is a great deal of kicking from both sides, with the usual finish that both parties

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The packing of plants is also of great importance, for if the plants are packed poorly they generally arrive in such a condition that a man can put one hand on his heart and the other on his pocket-book and cry: "Oh! Lordy Mercy! What shall I do with the profits?" The Florists' Manual is a valuable reference book, which not only gives one a good idea of the culture of many plants, but it also tells you, in very plain language, how to pack them. Many plants can be packed lying flat with perfect safety if laid in the proper way, but all foliage plants, and those with large leaves, or plants for immediate use, should be packed upright. Some firms pack nearly everything upright, in boxes or crates, which is far the better way, but the tops of the crates must be strong enough, so that the expressman can safely put one on top of the other, or else the express charges will be something enormous.

Many firms, and especially the large ones, are very prompt to acknowledge the order as soon as received, stating about when the plants will be shipped, and then send another notice when plants are shipped. It is always proper to write at once, whether or not you can fill the order, and it is certainly greatly appreciated by the buyers, as they generally know then what they can depend upon.

There are now so many different varieties of 'mums on the market that it is impossible to keep track of them all. Sometimes it appears to me that if the advertisers would state the color and season that it would benefit them. For carnations it could be done almost in the same manner, as some varieties are better at one time of the year than at other times.

MONTEREY, CAL.

The accompanying engraving is from a photograph of a portion of the grounds of the Hotel del Monte, taken last winter. In the view are seen a few of the ancient pines and oaks that form the backbone of the landscape effects at this famous place. When the grove was cleared out it left most of the pines with bare trunks, and this was most effectively remedied by covering the trunks with English ivy, which is perfectly hardy here and has made a prodigious growth. The numerous vistas through the grove of ivy-clad trees, with a soft carpet of green grass below, are really the most attractive features of the place.

These effects are supplemented by a liberal use of palms, araucarias and many conifers, not commonly seen in the east. On one side of the hotel is an immense bed of giant fuchsias that fascinates the eastern visitor. They are veritable trees. Nearly all plants reach immense proportions here, though cannas do not seem to do so well as in the east. Probably the cool nights account for this, for while there are no severe frosts at any time of the year, the nights are always cool and frequently very chilly even in midsummer. Geraniums are little seen, but the pelargoniums are fine and make a splendid display.

Thomas Lee is the gardener in charge.



Yucca Whipplei in Bloom on the Grounds of Hotel del Monte, Monterey, Cal.



Midwinter scene on the grounds of the Hotel del Monte, Monterey, Cal.

and in spite of the genial climate he has his troubles. Borers and beetles have attacked the old pines, and he must win in his vigorous campaign against them or lose the most important factor in the landscape. Hydrocyanic acid gas is now being used to kill one borer that works almost wholly in the lower part of the trunk. A canvas tent is fastened around the trunk, made as tight as possible, and the gas generated beneath it. This plan seems to promise success with this particular borer, but there are others that are more difficult to reach, in addition to several scales that are very hard to combat.

And the brown oxalis that was formerly used in the carpet bedding has become a serious pest in the lawns. It does not winterkill here and as the seeds scatter widely when the pods burst and it also spreads by runners, it is almost impossible to eradicate when it has a start.

Mr. Lee's department includes several novel items for a gardener. In addition to looking after the trees and plants he is propagating frogs and terrapin for the hotel table. The ponds where these delicacies are produced are a very interesting feature of the establishment.

There are quite a number of green-houses for palms and similar decorative plants, and for the production of cut flowers, carnations being a leading feature in the last named. There is also a house or so of roses. Few if any roses are seen in the grounds, the soil not being favorable to their growth, though the rose does famously in the gardens across the bay.

The famous Arizona garden, which contains a remarkable collection of cacti and other succulents, is very interesting, but seems now to be less of an attraction to visitors than in past years. Carpet bedding is less employed than

in the past, though some excellent examples are still seen in prominent positions.

There is a good sized nursery in which trees and shrubs are being brought on to carry out new planting or to replace specimens that have passed their best.

A WESTERN GARDENER'S NOTES.

I.

It has become quite the fashion for eastern craftsmen to tell of what they have seen in the west. As I recently had the privilege of taking a trip through the east, and of seeing for myself some of the beautiful places of which I have read in the REVIEW, perhaps a brief sketch of my travels may interest some of your readers. I am gardener for Harry G. Selfridge, at whose country home, Harrose, at Lake Geneva, Wis., we have some 10,000 square feet of glass, two large houses being devoted exclusively to orchid culture. Mr. Selfridge is an orchid enthusiast and has established a valuable precedent for employers in that he made this trip possible without expense or loss of time to me. I left Chicago October 2, going first to Boston.

My first side trip was to Brookline, where, at the home of J. E. Rothwell, I found probably the largest collection of cypripediums in America. Mr. Rothwell makes a specialty of cypripediums and selenipediums, which are in a condition to reflect great credit upon his gardener, Mr. Johansson, former orchid grower at Garfield park, Chicago.

The estate of the late H. H. Hunnewell was next visited, and I shall not soon forget the Italian garden, with one of the finest collections of conifers that it has ever been my pleasure to see. About one acre of ground is devoted to

rhododendrons, with an extra lattice house over all and a small observation tower under the lattice. Rhododendrons are also planted in the open ground and must present a charming sight in flowering season. There are twenty green-houses in which are grown fine stove and decorative plants, grapes, figs and peaches. The orchids were fine, particularly *Odontoglossum crispum* and *Miltonia vexillaria*. We often hear it said that it is impossible to grow odontoglossums in this country, but the degree of perfection reached at the Hunnewell place convinces me that with properly constructed houses and other right conditions, the time is not far distant when they can be grown here as well as abroad. Their cattleyas also are in first class condition, the result, the gardener told me, of feeding with different kinds of liquid. My own experience with fed orchids has not been altogether satisfactory, as they flourish and win applause for their grower for a year or two, then perish. I should like to know the experience of others in this particular.

I was much disappointed in the collection of Oakes Ames, at North Easton, Mass., which has doubtless cost many thousands of dollars, but which appears to have been starved. Much time and skill on the part of Sabin Botton, the present gardener, will be necessary to restore them. Mrs. Fred L. Ames, who also lives at North Easton, has a collection of orchids that is worth going miles to see. There are probably no better houses in the country, and Mr. Craig, her gardener, has everything on the place in splendid condition.

I visited Newport, R. I., and drove around the island first to get a general idea of the place. While everything was beautiful, the high walls surrounding many places gave one the impression of a fort or jail yard. On Mrs. Cornelius

business. The writer says, in part, as follows:

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The packing of plants is also of great importance, for if the plants are packed poorly they generally arrive in such a condition that a man can put one hand on his heart and the other on his pocket-book and cry: "Oh! Lordy Mercy! What shall I do with the profits?" The Florists' Manual is a valuable reference book, which not only gives one a good idea of the culture of many plants, but it also tells you, in very plain language, how to pack them. Many plants can be packed lying flat with perfect safety if laid in the proper way, but all foliage plants, and those with large leaves, or plants for immediate use, should be packed upright. Some firms pack nearly everything upright, in boxes or crates, which is far the better way, but the tops of the crates must be strong enough, so that the expressman can safely put one on top of the other, or else the express charges will be something enormous.

Many firms, and especially the large ones, are very prompt to acknowledge the order as soon as received, stating about when the plants will be shipped, and then send another notice when plants are shipped. It is always proper to write at once, whether or not you can fill the order, and it is certainly greatly appreciated by the buyers, as they generally know then what they can depend upon.

There are now so many different varieties of 'mums on the market that it is impossible to keep track of them all. Sometimes it appears to me that if the advertisers would state the color and season that it would benefit them. For carnations it could be done almost in the same manner, as some varieties are better at one time of the year than at other times.

MONTEREY, CAL.

The accompanying engraving is from a photograph of a portion of the grounds of the Hotel del Monte, taken last winter. In the view are seen a few of the ancient pines and oaks that form the backbone of the landscape effects at this famous place. When the grove was cleared out it left most of the pines with bare trunks, and this was most effectively remedied by covering the trunks with English ivy, which is perfectly hardy here and has made a prodigious growth. The numerous vistas through the grove of ivy-clad trees, with a soft carpet of green grass below, are really the most attractive features of the place.

These effects are supplemented by liberal use of palms, araucarias and many conifers, not commonly seen in the east. On one side of the hotel is an immense bed of giant fuchsias that fascinates the eastern visitor. They are veritable trees. Nearly all plants reach immense proportions here, though cannas do not seem to do so well as in the east. Probably the cool nights account for this, for while there are no severe frosts at any time of the year, the nights are always cool and frequently very chilly even in midsummer. Geraniums are little seen but the pelargoniums are fine and make a splendid display.

Thomas Lee is the gardener in charge.



Yucca Whipplei in Bloom on the Grounds of Hotel del Monte, Monterey, Cal.



Midwinter scene on the grounds of the Hotel del Monte, Monterey, Cal.

and in spite of the genial climate he has his troubles. Borers and beetles have attacked the old pines, and he must win in his vigorous campaign against them or lose the most important factor in the landscape. Hydrocyanic acid gas is now being used to kill one borer that works almost wholly in the lower part of the trunk. A canvas tent is fastened around the trunk, made as tight as possible, and the gas generated beneath it. This plan seems to promise success with this particular borer, but there are others that are more difficult to reach, in addition to several scales that are very hard to combat.

And the brown oxalis that was formerly used in the carpet bedding has become a serious pest in the lawns. It does not winterkill here and as the seeds scatter widely when the pods burst and it also spreads by runners, it is almost impossible to eradicate when it has a start.

Mr. Lee's department includes several new items for a gardener. In addition to looking after the trees and plants he is propagating frogs and terrapin for the hotel table. The ponds where these animals are produced are a very interesting feature of the establishment.

There are quite a number of greenhouses for palms and similar decorative plants, and for the production of cut flowers, carnations being a leading feature of the last named. There is also a large collection of roses. Few if any roses are in the grounds, the soil not being favorable to their growth, though it does so famously in the gardens of the bay.

The famous Arizona garden, which has a remarkable collection of cacti and other succulents, is very interesting, but seems now to be less of an attraction to visitors than in past years. Carpet bedding is less employed than

in the past, though some excellent examples are still seen in prominent positions.

There is a good sized nursery in which trees and shrubs are being brought on to carry out new planting or to replace specimens that have passed their best.

A WESTERN GARDENER'S NOTES.

I

It has become quite the fashion for eastern craftsmen to tell of what they have seen in the west. As I recently had the privilege of taking a trip through the east, and of seeing for myself some of the beautiful places of which I have read in the REVIEW, perhaps a brief sketch of my travels may interest some of your readers. I am gardener for Harry G. Selfridge, at whose country home, Harrose, at Lake Geneva, Wis., we have some 10,000 square feet of glass, two large houses being devoted exclusively to orchid culture. Mr. Selfridge is an orchid enthusiast and has established a valuable precedent for employers in that he made this trip possible without expense or loss of time to me. I left Chicago October 2, going first to Boston.

My first side trip was to Brockline, where, at the home of J. E. Rothwell, I found probably the largest collection of cypripediums in America. Mr. Rothwell makes a specialty of cypripediums and selenipediums, which are in a condition to reflect great credit upon his gardener. Mr. Johansson, former orchid grower at Garfield park, Chicago.

The estate of the late H. H. Hunnewell was next visited, and I shall not soon forget the Italian garden, with one of the finest collections of conifers that it has ever been my pleasure to see. About one acre of ground is devoted to

rhododendrons, with an extra lattice house over all and a small observation tower under the lattice. Rhododendrons are also planted in the open ground and must present a charming sight in flowering season. There are twenty greenhouses in which are grown fine stove and decorative plants, grapes, figs and peaches. The orchids were fine, particularly *Odontoglossum crispum* and *Miltonia vexillaria*. We often hear it said that it is impossible to grow *odontoglossums* in this country, but the degree of perfection reached at the Hunnewell place convinces me that with properly constructed houses and other right conditions, the time is not far distant when they can be grown here as well as abroad. Their cattleyas also are in first class condition, the result, the gardener told me, of feeding with different kinds of liquid. My own experience with fed orchids has not been altogether satisfactory, as they flourish and win applause for their grower for a year or two, then perish. I should like to know the experience of others in this particular.

I was much disappointed in the collection of Oakes Ames, at North Easton, Mass., which has doubtless cost many thousands of dollars, but which appears to have been starved. Much time and skill on the part of Sabu Barton, the present gardener, will be necessary to restore them. Mrs. Fred L. Ames, who also lives at North Easton, has a collection of orchids that is worth going miles to see. There are probably no better houses in the country, and Mr. Craig, her gardener, has everything on the place in splendid condition.

I visited Newport, R. I., and drove around the island first to get a general idea of the place. While everything was beautiful, the high walls surrounding many places gave one the impression of a fort or jail yard. On Mrs. Cornelius

Vanderbilt's estate there was, in front of the castle, a half acre in carpet bed design, very tastefully arranged for color harmony. Retinospora, tender cedrus clipped into pyramids and other forms, fine flower borders and plenty of rhododendrons, made a beautiful view. Hydrangea Otaksa is at home in Newport. Great shrubs, mostly blue, six feet high, are plentiful. The soil contains some iron, and I am told that Hydrangea Otaksa can be wintered out of doors by the use of barrels filled with soil. Cactus dahlias also thrive here as nowhere else in this country. In fact, I have never seen in Europe a degree of perfection in these plants such as has been reached at Newport.

The Goelet place is not large, but beautiful. The elaborate buildings are surrounded with nice lawns bordered with California privet, close trimmed. The greenhouses are substantially made, with iron frames. Herein are grown fine stove plants, palms, roses and carnations. Roses under glass, however, are not a success here. Attacks of mildew are apparent, doubtless owing to heavy fogs from the ocean. The high sea winds also interfere with the successful growth of deciduous trees and shrubs.

Mr. Berwin's place is famed for rhododendrons, and conifers line the terrace. At the farther end of an Italian garden is a fountain in which some nymphæas are planted, presenting a very charming appearance.

The home of Charles Roebling, at Trenton, N. J., was next visited, and I was received very cordially by his gardener, H. T. Clinkaberry. Here I saw a very fine collection of orchids. His cypripediums and selenipediums are monsters, and he has three plants of *Cattleya labiata alba* that are worth at least \$500 each. Every plant in this place is in a condition to reflect credit on those in charge.

In Philadelphia I went to see the famous orchid collection of Mrs. Wilson, five or six of whose houses are devoted to the culture of these flower diamonds. One house is for white orchids, mostly *Laelia anceps alba*; another for cattleyas and others for mixed varieties, especially cypripediums. What interested me most, however, was a house for seedling orchids in all varieties. Happy the man who will reap the harvest of this seedling collection in years to come. Mr. Perricot, the gardener, has one house 50x150 feet for commercial purposes.

But the rest will have to wait for another paper. CHAS. GEBHARDT.

OUR LOUISVILLE FRIENDS.

I send you a photograph of some of the old standbys of the Kentucky Society of Florists, which was taken at the last meeting, held at River View park, near Louisville. The gentlemen who are sitting are, from the left, Jos. Coenen, Jacob Schulz, Henry Lichtefeld, J. E. Marret and T. B. Rudy. The members who are standing are Henry Fuchs, C. H. Kunzman, Wm. Mann, Jno. Bohrmann and George Schulz.

HY. LICHTEFELD.

ALBANY, N. Y.—The secretary of state has licensed the incorporation of the Kurzman-Dacre Co., of New York city, to deal in flowers. The authorized capital is \$10,000, and the incorporators are Z. Edward Kurzman, Arthur C. Dacre and Maurice D. Sahlein.



Veterans of the Craft at Louisville, Ky.

ETHER FOR PLANT FORCING.

Albert Maumene contributes a lengthy article on etherization to the *Revue Scientifique*, Paris, which is translated and condensed, as follows, by Public Opinion:

To make plants bloom before the normal blossoming period or when this period has passed to produce them at the exact moment one desires them, is the goal that has been sought in recent years by the use of refrigerating methods and also by the use of anesthetics. This latter method we owe in its present development to a Danish scholar, M. Johannsen of the agricultural school of Copenhagen.

M. Johannsen experimented by anesthetizing the different organs of plants, both those organs which are maturing and those which are in a state of repose, believing that it would be possible by the use of anesthetics to suppress entirely the phenomena of condensation in the maturing organs. He found that a sufficiently large dose of ether suppressed the activity of condensation in the maturing organs, and it was also clear that the plant organs presented under the effects of the ether or chloroform very active hydrolytic phenomena. Further, from his different experiments he was led to pursue others with the view of suspending entirely the period of repose by the use of anesthetics.

These experiments are within the reach of all, since it is merely necessary to place the branches of the willow under a receptacle, with a dose of four-tenths of a cubic centimeter of ether per cubic decimeter of the size of the vessel. After twenty-four hours the branches are taken out, placed in water, and then put in a hothouse or other place equally warm. Non-etherized branches are placed as tests in the same hothouse. After two days the envelopes of the buds on the etherized branches are raised and the silver catkins appear, whereas the non-etherized branches remain inert. These experiments succeed from August to November, after which, the willow leaving the state of repose, ether has no accelerating effect.

Anesthetics, we believe, are destined to replace altogether early forcing methods now in use, since the anesthetizing process makes flowers bloom from July to August, whose normal flowering period takes place only in the spring. Further, this method makes possible the flow-

ering of these plants four or five months earlier than by the ordinary methods of forcing, it shortens by from fifteen to twenty days the duration of the forcing period in the first seasons of November, December and January, and by several days in the later seasons, and it makes all of the buds develop and bloom, while if the plant is treated by the ordinary procedure many of the buds are failures.

In employing anesthetics on a large scale the shrubs destined to be treated are taken from the ground—unless they be grown in pots—and are put for some time in a shed, in order that the ball shall become dry. The etherizing is performed in a closed place, a wooden case with joints plugged with cement and painted all over being suitable. The plants are placed near each other and the ball is covered with sand, the case being then placed above them and surrounded by a padding of sand at the base, in order to prevent the loss of the ether vapor. As this is much heavier than the air it must always be placed in the top of the box, or whatever receptacle is used. The percentage of ether used is 35 to 40 grams per hectoliter of air, at an average temperature of 17 to 19 degrees C. The shrubs remain in the receptacle for 48 hours in ordinary times, although it is necessary to have them remain 72 hours in September and October.

The results of this process are the following: If the shrubs are still covered with leaves these fall as they would do at the first touch of frost or under a prolonged drought, the buds swell and this condition progresses if the plants are placed in a hothouse and treated immediately by ordinary methods. The swelling of the buds is all the more noticeable if the shrubs are denuded of their leaves, the ether-vapor causing the plants to bud with remarkable rapidity. If the operation be performed on lilacs, the thyrsus is developed in ten days and the blooming is completed in a period of from five to eight days. It requires ten to twenty days more for lilacs not etherized to obtain the same degree of advancement, and further, the vegetation and flowering of the latter are generally much more incomplete, because of the fading of a large number of the buds. Thus not only have we economy in labor, in fuel, and in material, but the series of shrubs succeed each other more regularly, the forcing may be commenced earlier, and at the same time the

results are surer and in greater perfection.

The dangers attending the use of ether in some cases has led to the adoption of chloroform, which is used in the same way as ether with the exception that a smaller amount is employed, the density of chloroform being twice as great as that of ether and its action four times as intense. The proportion of chloroform per cubic meter of air is 80 to 100 grams, but the exposure time should be longer.

The cause of the action of anesthetics on plants is a matter of theory and may be due to an acceleration of the order of growth, or the phenomena may be the suspension of an arrest which has occurred in the natural growth. We may easily see a similarity between the anesthetizing of plants and human intoxication, for whereas the latter state may be considered one of weakness, which does not produce strength, at the same time it exhilarates dormant energies. On the other hand ether or chloroform may be merely an excitant. The vapors of ether and chloroform only have a momentary effect, although they produce extreme stimulation, shorten the period of repose, and inaugurate vegetation.

PUBLICITY FOR NURSERYMEN.

The following is an extract from an address by Frank B. White, delivered before the American Association of Nurserymen:

No man who has undertaken advertising, treated it with the same degree of intelligence that he would any other branch of his business, utilized common-sense and sticktoitiveness, but will testify to the efficacy, force and power of judicious publicity. All business must be advertised in some way, either by word of mouth or other announcement, so we may as well settle one thing here and now: When well done, advertising pays.

The nursery business affords a most excellent opportunity for attractive advertising, not only newspaper advertising but the auxiliary lines as well. You will understand that while I advocate newspaper advertising as the best known sort of publicity, it is not all that is necessary, by any means. Without attractive and forceful literature, your newspaper advertising would be a flat failure.

The nursery business affords a most excellent opportunity because it brings us near the great heart of nature, and the advertising should be as natural as man can make it. Illustrations should be true to nature, true to life. Advertisements should be constructed along the line of absolute honesty and truthfulness. Advertising is heart to heart talk concerning that which is advertised. We admire beauty, therefore, our advertising should be made beautiful. We admire sensible argument, a forceful presentation of the fact, a harmonious whole, a composite of art, editorial ability and mechanical make-up that pleases and satisfies the eye and lingers in the mind as something worth remembering.

In your business you have a combination of luxury and beauty. In the advertising business we should have a combination of attractiveness and forcefulness, but all newspaper advertising can do for you is to present you in a favorable light to a possible customer. The catalogue, the booklet and your correspondence must do the rest.

I believe that advertising should be

made not only as good as the other fellow's, but better. Catalogues should be constructed with the idea of bettering anything that has been sent out. Make them so good that it will hurt one to destroy them, that they will find a place on the parlor table and be kept as beautiful examples of the printer's art, pleasing to behold, easy to read, convincing in argument, handsome in illustration, and you have won the day, or you have beaten the other fellow by so many points that it will be hard for him to overtake you.

Some entertain the belief that the only way to sell nursery stock is through agents. I do not agree with them. Advertising is your salesman, working while you sleep; quiet, unobtrusive, ready to wait until an opportune time comes before it makes its argument; offending no one, but making friends everywhere it goes, a thing that cannot be said of all agents or salesmen. I know for an absolute certainty that many concerns have lost business because of the lack of tact of the agent on the road. If your advertising is well done, there will be no danger from this source. I am not ready to condemn the agency system, but I maintain that it is a very expensive luxury, and that it could be dispensed with to the improvement of the nursery business on the whole.

I am not familiar with the commission allowed nursery agents. I presume that it is in the neighborhood of 40 per cent. Somebody has to pay the 40 per cent. Of course it is usually the fruit grower. It is possible that the agents sell \$1,000,000 worth of nursery stock a year. They make \$400,000, which may be termed an advertising expenditure, as it is charged to your sales account.

Is there a man who will tell me the same expenditure in judicious newspaper, catalogue and auxiliary advertising would not do the nursery business and the country at large more good than would be possible through this agency scheme?

Some say the nursery business does not permit of advertising to the same extent as other commercial operations, as the season is limited and advertising must principally be done during the spring months. I would say in answer to such an assertion that other lines of trade are just as limited by seasons and still are successfully advertised, and many nurserymen have found it profitable and have made a success of it even though the season is limited.

I quote from one nurseryman who wisely says: "The only reason that we can assign why so many nurserymen do not advertise is because there is a large per cent who are really only tree growers, who do not have the business ability nor push to sell their own productions, and it is this class of nurserymen who take but little stock in advertising, and in fact advertising would do them but little good because we merely look upon advertising as a means of bringing prospective customers to our door and introducing us. This is all that any paper or periodical can do. The nurseryman must then have tact and talent and the requisites of a business man necessary to interest the prospective buyer, hold his attention, gain his confidence and get his order. Our experience is that newspaper advertising and catalogue work are necessary adjuncts to success in this business."

Another correspondent makes reference to the follow-up system and states

that he is not quite sure that it pays to write many letters in answer to an inquiry. It is my opinion that it does pay. The present method of producing imitation typewritten letters is so perfect that it enables one to fill in the name of an inquirer so nearly like the real thing that not many can detect it, but a genuine letter is always better. If I were in the nursery business and should receive an inquiry that cost me say 50 cents or \$1 in response to my advertisement, I would be willing to expend at least half that sum if necessary in getting a good attractive catalogue in the hands of my correspondent, and in following up the acquaintance made through the inquiry until I had landed the order or discovered the reason why I did not.

This following up of the inquiry is a very necessary part of successful advertising. When you receive an inquiry in response to your advertising you should make it your imperative duty to treat that inquiry just as you would a new friend. It costs something to get an introduction to that friend. It is worth your while to pay a little more for the privilege of doing business with him. I would treat that individual inquiry just as if there were no others and as if the success of my business depended upon making a sale to that particular individual. The careful following up of that new acquaintance may lead to a business friendship profitable not only in his case but in that of his friends and his friends' friends, for advertising has wonderfully expansive power.

Perhaps you will question my judgment when I say to you that I verily believe that this association could wisely expend an advertising appropriation upon general publicity that would induce people to use fruit more largely. If you desire to sell your nursery stock you must help create a demand for the product of the fruit grower. An appropriation of \$100,000 for annual expenditure in advertising, advocating the use of fruit in the home as a health food, would, in my judgment, make a demand for nursery stock such as this country has never dreamed of, and the question of price would be secondary, the question of quality uppermost. Your business or profession would be elevated to a higher plane and instead of being regarded as a tree grower or a nursery farmer, you would be recognized in the commercial world as operators of one of the great industries of the country, which, indeed, you are today although but few appreciate it. You are all ready for such a campaign. All that is needed is backbone and money. Advertising will stiffen the backbone, return your money, bring you peace and plenty and the world will be the better for it.

GALENA, ILL.—B. F. Vandervate adds to his business largely by visiting nearby towns with stocks of plants.

LAWTON, MICH.—The Northside Greenhouses have been purchased by George Allard, who is busily engaged in tearing them down and rebuilding them at his own place east of town.

AKRON, O.—H. Heepe's Sons have opened a store at 26 S. Main street and will handle everything in the cut flower and plant line. The greenhouses are located a half-mile west of the center of town.

PHILADELPHIA.

The Market.

There has been lots of life in the cut flower market, most encouraging with so much stuff about. This activity is traceable in shipping orders to the competition between the department stores and to increased business at the stores. Halloween parties, All Saints' day, a few November weddings, etc., etc. Chrysanthemums have been the chief factor, and the small and medium-sized blooms have sold quite as well as the fancies; prices, especially on the latter, have receded.

Roses are greatly overdone, as usual at this season; still, a great many are sold at fair prices. Carnations are not so plentiful, but are in fair demand. Violets have sold well.

Quite a lot of cattleyas have been marketed, Pennock, Niessen and Dunn & Co. all having them. Cyps are coming in slowly as yet. Valley is fine and sells fairly well. Mignonette and sweet peas are to be had in small quantities; the former is very good for so early. Asparagus has sold well.

The Flower Market.

A special meeting of the stockholders of the Flower Market was held on Tuesday, President Heacock in the chair. Both amendments to the by-laws were acted on. The first, changing the beginning of the fiscal year from October 1 to July 1, was adopted unanimously. The second, abolishing the limit of fifty shares for each stockholder, lacked thirty-five votes of the two-thirds necessary for adoption. The following officers were elected at the directors' meeting, held immediately afterwards, to serve for the ensuing year: President, Wm. K. Harris; vice-president, Joseph Heacock; secretary, Edwin Lonsdale; treasurer, Charles E. Meehan.

With the Decorators.

One of the handsomest decorations ever made in a store in this city was arranged last Monday by Hugh Graham, at Gimbel Brothers'. The main aisle on the second floor, running from Eighth street to Ninth street, was elaborately decorated with chrysanthemums and choice flowers of other varieties. This lavish display was the more remarkable because the same department store was expensively decorated for its fall opening six weeks ago. The store was a veritable flower show, maintained in fresh condition throughout the week, which was a most creditable departure. To be beforehand with their competitor, another department store, Suillenburgh ordered the Wm. Graham Co. to arrange for them an extensive decoration last Saturday. For this occasion Leo Niessen furnished 16,000 chrysanthemums, 300 American Beauties, 500 tea roses, and a great quantity of asparagus, besides other things; greens and electric lights were extensively used, making a fine effect. J. J. Habermehl's Sons decorated the tea room at John Wanamaker's on Monday with assorted chrysanthemums of various colors and other material.

Wyncote.

The extensive range of glass owned by Joseph Heacock never looked in better condition than one bright afternoon this week, when a couple of visitors were conducted through the houses by the proprietor. The Beauties were in splendid condition, a lot of second year plants in solid beds being especially vigorous. All

the plants were making good growth and appeared free from spot. Liberty, Bride and Bridesmaid gave promise of good results next month. The immense stock of arecas and kentias showed that rich green foliage so dear to the heart of a palm grower. They appeared perfectly clean, as did the entire place, Mr. Heacock putting his belief, that "Cleanliness is next to Godliness," into practice in every detail of his place. There was a house of cocos, a fine batch of Cypripedium insigne just coming into flower, and two houses of carnations, chiefly Mrs. Frances Joost and White Cloud, looking as though they would produce a fine lot of flowers for the holidays. Sheds for soil and manure give needed protection during the winter. The features of this place are its compactness, its perfect system of ventilation, and its arrangements for regulating the temperature and the air of orderliness everywhere apparent. A prosperous season seems assured.

The Florists' Club.

The November meeting of the club was held on Tuesday evening. An amendment to the by-laws by which dues must be paid in advance, was proposed and after discussion, adopted.

Notes.

Leo Niessen had an order for 3,000 assorted chrysanthemums last week to be shipped to Washington, D. C., and was able to fill it nicely.

Alburger & Cascaden, Kenwood, near West Laurel Hill, are building two houses, each 20x150 feet, to hold their increasing stock. The indefatigable D. T. Connor secured the order for the iron posts, iron gutters and cypress roofing material for Lord & Burnham. The same firm has just completed a conservatory, 20x90 feet, for the Hotel Brighton, Atlantic City, N. J. It will be used chiefly for decorative plants.

The Flower Market presents a very compact and busy appearance. The improvements embrace moving the directors' room, new counters and extra electric lights.

Paul J. Klinghorn, late with Geo. M. Moss, is now with Dumont & Co.

In speaking of the Liberty houses last week, at A. Farenwald's, I should have said they were constructed by Lord & Burnham.

The Fall Show.

The annual chrysanthemum exhibition of the Pennsylvania Horticultural Society will open next Tuesday evening in Horticultural Hall. Great preparations are being made to make the affair successful. It is hoped that every grower, whether private or commercial, will exhibit anything of merit that he possesses. These shows are invaluable in educating the public, and stimulating a taste for horticulture. PHIL.

DETROIT.

Visit to Mt. Clemens.

On Friday, October 30, occurred the annual outing of the Florists' Club to Mt. Clemens on invitation of the members who reside in that city. A special car carried the party, which consisted of fifty-two persons. A short stop was made at the home of "Sullivan's Roses" and they were found in fine condition, the entire stock looking well, especially a bench of Harrisii that were very fine. On arriving at Mt. Clemens a call to

luncheon was sounded at Breitmeyer's, and a most agreeable half hour was spent inspecting and testing saurkraut, frankfurts, etc., washed down by home-made wine. The party then wandered at pleasure through the range of glass, inspecting the new rose, as yet nameless. The writer noticed one peculiar thing in its treatment, and that is the planting with Beauties, Meteors, Maids and others, and I must say that it shows up well under all conditions, although the weather so far has been such that very little difference in temperature could be maintained. Its growth is wonderful. A house of Perle and one of Meteor were charming, for the outlook for profit is good. Some very fine 'mums were seen and the entire place is in better shape than at any time previously visited, but I have seen better carnations and violets here before.

Robert Klagge, the erstwhile violet king, has taken a tumble off the throne, but he can be given another title, that of carnation king of Mt. Clemens, for he has some of the best anywhere and in some new seedlings something to be proud of. Enchantress, Morning Glory, Harlowarden and Lawson are the main varieties grown. At Mr. Stevens' were seen the best houses of violets, also some fine carnations.

Jas. Taylor says the old violet growers have all met their Waterloo, and he is no exception, but his violets are improving and no doubt he will be looking pleasant about Christmas time. J. E. Carey, as usual, has nothing to be seen (that is what he says himself, so I have good authority), but we found Beauties in fine form, carnations and violets very good and some good apples.

One more stop at a new establishment built by Mr. Von Borselager, consisting of three houses, one of carnations especially fine, completed the rounds. The party, increased to the number of seventy by the addition of the Mt. Clemens florists, then proceeded to the Sherman house, where an elegant banquet was partaken of, the Detroit florists being the guests of the Mt. Clemens craftsmen. After a few brief ragtime talks by different ones and an attempt at singing Auld Lang Syne the happy crowd returned home, all well pleased with the day's outing. RAG.

NEW YORK.

The Market.

The wholesale trade has settled down to the conclusion that there can be no material change in market conditions until after the chrysanthemum exhibition. The killing frosts haven't killed anything to date, and Monday of this week saw a genuine summer temperature, with no change in sight.

This week society will manifest its return to civilization by the dog show. Next week it is expected the great 'mum show will assert its drawing power among the 400 and the great horse show the following week will inaugurate the regular demand for flowers that the retailers have been so patiently anticipating. And so, as is always the case, the gloom will be dissipated and the sun will shine for wholesalers and retailers alike, and the long period of dullness will speedily be forgotten. Already the retail stores give evidence of the coming revival. The decorations in the windows of the leading florists are gorgeous, and the chrysanthemums in abundance and beauty at

reasonable prices give no one an excuse for lack of neatness and beauty in window decorations.

A few of the finest 'mums touched 50 cents last week. Special Beauties, while occasionally valued at 25 cents, can be had in large quantities as low as \$150 a 1,000; superb stock, but too abundant for the present demand. The violet was king on Saturday and Monday, and commanded its own price, with good prospects of maintaining present values.

Various Notes.

Next Monday the New York Florists' Club will have President Breitmeyer as a visitor, accompanied by his new rose, which it is his intention to exhibit there, as well as at the 'mum show. This week he will allow the Tarrytown, Madison and Tuxedo rose growers to have a look at it.

Everything moves swimmingly toward the success of the great flower show in New York, under the auspices of the American Institute and the Chrysanthemum Society of America, a wonderfully strong combination that precludes any possibility of failure. I predict a genuine surprise to the public and an exhibit of flowers, as President Herrington aptly puts it, "such as the world has never seen." The annual convention of the society promises to be of special value, and a large attendance of members is assured. The New York Florists' Club is taking a hearty interest in the success of the exhibition and no small credit is due its members for their patient and persistent efforts in former years, out of which has developed the opportunity of the present year. For the club it was a thankless and losing game, but its membership never flinched in its loyalty to the management of these annual exhibitions, and it will share worthily in the triumph that at last seems a certainty.

Julius Roehrs, of Rutherford, N. J., will entertain horticultural visitors during the last days of the 'mum show, November 11 and 12, at his auction sale of palms, orchids, etc. A great attendance is anticipated. The stock grown by Mr. Roehrs has a national reputation.

The Manhattan Supply Co., of 440 Eleventh avenue, has sold its business to S. Jacobs & Sons, of Brooklyn.

The New Jersey Cut Flower Co., of 37 West Thirty-eighth street, has sold its business to the Kurzman-Dacre Co., which will conduct a wholesale florist business there.

John Weir celebrated his fifty-eighth birthday last week. If he had called it his thirty-eighth no one would have disputed him. He will still be buying flowers at 5 a. m. in 1950.

Bradshaw & Hartman are adding hardy stock to their plant department. Chas. Millang also has about everything in the plant line to offer.

R. L. Perkins is recuperating very slowly from his serious illness.

Some grand artistic work was done by the leading retailers last week in funeral wreaths, one valued at \$200, of orchids and violets, at Bowe's being exceptionally beautiful.

All the seedsmen, bulbmen and nurserymen have had a grand season and all are optimistic, and it is an inspiration to talk with them. Tulips and mixed hyacinths are short and the general demand will leave no surplus when the season closes. Bulbs are moving rapidly since the cold snap of the early part of last week and Elliott's auction draws its

usual crowd of buyers Tuesdays and Fridays.

Geo. M. Gerharty, formerly with Daniels & Fisher, of Denver, in their cut flower department, is now with one of the leading New York retailers.

Ambrose Cleary is much pleased with his progress in his new retail store at 500 Madison avenue. Mr. Cleary has had considerable experience with his brother, and as manager in one of the Brooklyn department stores.

The reference to gardenias and cattleyas last week should have read Young & Nugent. Reidel & Spicer are also handling a goodly quantity of these popular flowers, and a large stock of Asparagus plumosus daily.

Roses were a drug at one time last week, on Twenty-ninth street, one lot of 1,600 going at 60 cents a hundred and Melba carnations were so sleepy that one lot of 200 could not be disposed of at 25 cents a hundred.

The plan of making up dollar boxes, containing a dozen roses, half a dozen 'mums and the necessary dressing seems to find favor on Broadway again, and helps materially in disposing of the overflow.

Scallon's new store approaches completion and will be one of the best in the city.

The white palace being built by Siebrecht & Son, on Fifth avenue, is ready for the finishing touches, and should be completed in ample time for the Christmas trade. It will be a revelation to many and its situation cannot well be excelled.

The flower shows at Tarrytown, Madison and Tuxedo this week promise well, and the managers are enthusiastic over the prospect of grand blooms and ideal exhibition weather. J. AUSTIN SHAW.

ST. LOUIS.

The Market.

The business for the month of October, according to some of the leading storemen, was much better than they expected, though mostly work for funerals and decorations. The counter trade in cut flowers is still somewhat slow and cooler weather is needed to stimulate that part of the business. The horse show, which opens to-night, for one week should help the cut flower trade greatly, as a great many choice blooms will be in demand, and a great many orders for this occasion have already been placed.

Chrysanthemums, of course, are the main flower just at present. They are much in evidence throughout the city and the flower stores are making pretty decorations of them in their show windows. Blooms of the first quality are not over-plentiful, the demand for these is good and \$3 per dozen is asked for the best. Fairly good home-grown stock is plentiful, but this stock is moving rather slowly. The increased crop of these had a bad effect on the rose market, which is at present very much overcrowded with all kinds of roses of good quality. Brides and Maids are still in the lead, as to quantity, and good stock can be bought at \$3 and \$4 per hundred. There is also a good supply of other roses, such as Meteor, Golden Gate, Carnot, Perle and Sunrise. American Beauties are selling better than the smaller roses but the supply is equal to the demand; \$2.50 and \$3.00 is the

price for fancy; other grades run from 75 cents to \$1.50 per dozen.

Carnations are not over-plentiful, with fancy stock scarce. Good white had a nice call the past week. The choice stock brings \$2, others from \$1 to \$1.50 per hundred. Enchantress, Crocker and Wolcott look about the best. Good reds are very scarce. Violets are in great demand and the market is not overloaded with them, as is usual at this time of the year. Good stock brings 35 cents and those with short stems 25 cents per hundred. Good lily of the valley seems to sell better this season than ever before, and some very good stock is in the market at \$4 and \$5 per hundred. The market is well supplied with smilax and asparagus, which has a good demand at the usual market prices.

The weather here has been most beautiful the past week, and plants of all kinds are having a good sale, especially pot chrysanthemums, of which some very fine specimens are seen in the West End establishments.

Various Notes.

James S. Wilson, of Western Springs, Ill., spent Friday, Saturday and Sunday in his native city. "Jimmy" has many friends here, and the boys in the trade are always glad to see him.

D. J. Crosby, of the United States Department of Agriculture, was a visitor last week. Mr. Crosby visited the school gardens of the Civic Improvement League and praised the organization for the work done. He was especially pleased with the boy's garden operated by the league near Shaw's Garden.

The Notre Dame University, of South Bend, Ind., shipped four carloads of century plants to the World's Fair grounds. The plants were purchased by the landscape department and are stored in the basement of the Administration building on the World's Fair grounds. They will be placed on the borders of the great cascade in the spring. The plants are exceptionally fine.

The finance committee met at Fred Weber's Friday night to open the books. This committee will have charge of the financial end of the next convention of the S. A. F. The committee is composed of Otto Koenig, chairman; Fred L. Weber, F. W. Taylor, A. B. Halstedt, J. F. Ammann, John Young and Emil Schray. The report will be heard at the next meeting of the club.

Mr. Felter, at 4335 Lexington avenue, has a fine lot of chrysanthemum plants and other stock which looks very choice.

Theo. Klockenkemper, up near Baden, is sending in a fine lot of Colonel Appleton chrysanthemums which could be classed as prize winners. Theodore is surely there with the goods this year.

Fred Ammann, of Edwardsville, is sending some fine stock to this market. Among the lot are his famous Perle roses and about the best American Beauties that come in.

W. E. Jordan, who has the old Jordan Floral Co. greenhouses, on Union avenue, is now in good shape for the winter, having built two new houses and remodeled the old ones. Willie has a good stock of chrysanthemums, callas, stevia and smilax.

A. Berdan, of Kirkwood, Mo., is sending in the best lily of the valley, of which Mr. Berdan is making a specialty this year.

F. W. Herman and Charlie Ude, of Kirkwood, are again in line with fine

violets and carnations, so are Pilcher, Gross and Ahner, of the same place.

Beyer Brothers are in line with some very fine pot chrysanthemums and other choice decorative plants. They have had an excellent trade so far this season.

Frank Fillmore, the man who never misses a club meeting, has his big rose and carnation houses in excellent shape for the winter. Frank's stock always has a good call at Kuehn's.

The next Florists' Club meeting will be held next Thursday afternoon at 2 o'clock in Odd Fellow's building, hall No. 2. An exhibition of chrysanthemum blooms will be made by our local growers. Prizes have been offered, \$5, \$3 and \$2, for the best vases of twelve blooms. All chairmen of committees are requested to attend, as business of great importance to them will come up. The attendance of all the members is requested by the president.

H. A. Dreer's two representatives, Messrs. Creighton and Clark, were in town recently calling on the trade.

The express companies are again delivering consignments on time, the strike having been declared off and nearly all the old employes returned to work. The companies won the strike.

Bowling.

Four St. Louis bowlers, with the assistance of E. W. Guy, of Belleville, bowled a match game with the crack Belleville team last Sunday. The St. Louis bowlers were Beyer, Beneke, Kuehn and Miller, and they were defeated in all three games. A return match will be played on Friday, November 13, on our home alleys. Monday our regular bowling night, only seven of the members showed up. The following scores were made:

	1st.	2d.	3d.	Total.
Beneke	166	190	171	527
Ellis	169	173	143	485
Young	136	156	184	476
Adels	158	203	137	498
Miller	167	181	127	475
Weber	155	156	137	448
Melnhardt	137	128	142	405

J. J. B.

CHICAGO.

The Market.

There is a very strong demand in this market—for a change in the weather. Following last week's killing frost and a couple of crisp days which put new life into things in general, we have had a week of Indian summer which has enervated the market. Supplies have steadily increased and quality has, if anything, retrograded, although good roses are generally obtainable for all orders. Monday saw a shortening up of the supply of carnations and a momentary stiffening of prices, but it was doubtless due, more than anything else, to the fact that Sunday was too nice a day to spend in the greenhouse picking flowers, for Tuesday saw very large receipts and the market slow at reduced prices.

Roses have been accumulating very rapidly in the past few days. The local trade is again very light and shipping demand only serves to take up the better grades, so that the short-stemmed stock has become unwieldy. While a very small part of the receipts may have sold for 6 cents, occasionally some extra select at 8 cents, the average will be very low indeed this week, probably lower than even mid-summer averages. Beauties are not so plentiful and are cleaning up at rather better prices than are usual at this season of the year. Meteor is in

fair demand, also Liberty, but the latter is not largely in evidence.

The warm, bright weather has brought in chrysanthemums with a rush. The mid-season varieties are largely in evidence, including such sorts as Timothy Eaton and Major Bonnaillon, which latter sort seems to be more largely grown than in the last two or three years. Prices are low in comparison to the quality of the stocks offered. Ivory, both pink and white, continues to be a good seller at from 8 to 12 cents for well grown stock. Violets have taken a tumble from the altitude to which they climbed during the cool weather during the horse show; dollar-and-a-half violets then are six-bits now, and well sold at that. Callas and Harrisii meet with a slow but steady sale. Valley is hanging back.

There is too much asparagus in the market. The sale is very much greater than it ever was before, for this article is coming into general use for all sorts of decorations, but the production has been increased faster than the sale has extended. Smilax is equal to all needs, but not so plentiful as to cause concern.

The Next Exhibition.

The program committee of the club met yesterday and completed an outline for the season's campaign and, more particularly, perfected plans for the November exhibition, which is to be held on Tuesday, November 17. Leonard Kill is manager of the exhibition and John P. Risch is in charge of the entertainment which is to follow. It is proposed to have the show open at 2 o'clock and the public is to be admitted by card, each member of the club to be provided with tickets for distribution where they will do the most good. The subjects shown are to include roses, carnations, chrysanthemums and pot plants. It is the intention to make this a much more complete and pretentious affair than the very successful little show of last month.

The Atlas block, the same in which so many wholesalers are located, at the corner of Wabash and Randolph, has been selected as the location. The same judges who served last month, the C. S. A. Committee, will act and be assisted by John Reardon, F. W. Timme and Phil Broadbeck in handling the carnations. F. F. Benthey has been delegated to look after the wants of the visitors. At the close of the show everybody is expected to go to supper, this having been one of the pleasantest features of last month's little affair. Hon. J. J. Feeley will be the speaker of the evening.

Various Notes.

The Florists' Club met last evening at Handel hall and the new officers were installed before a good crowd. Several new names were proposed for membership, and the season's work forwarded in good shape.

At the November 18 meeting of the club Prof. Hasselbring, of the University of Chicago, will talk on fungi, and F. A. Thompson will discuss insects and insecticides. In December the club will give its first grand annual ball.

Wieter Bros. are planning to fill the rest of that ten-acre tract with glass next spring. The houses will be 265 feet long but the short-roofed style of construction will be adopted.

On October 29 fire did \$1,000 damage in the greenhouses of Julius Schau, One Hundred and Fourth street and Curtis

avenue. The fire started in the boiler room.

At a meeting of the Chicago Florists' Bowling Club, at Hauswirth's, October 29, George Asmus was elected president and John Lambros secretary. The choice of a captain was deferred. It is planned to bowl regularly hereafter.

E. C. Amling is finding a ready market for orchids.

Frank Garland says wild smilax is slow sale.

The second annual flower show is on at Joliet this week, and on Friday afternoon quite a party will go out to see the display and help the good work along.

George Reinberg is buying material for another addition of eleven 265-foot houses to go up next spring. This is just duplicating this year's addition.

Clifford Prunner, of E. F. Winter-son's, is again laid up. John Degnan is at home off the road. At Kansas City he met Lloyd Vaughan, Arnold Ringier and C. W. Scott.

Peter Reinberg is getting in a very fine cut of Chatenay and finds them moving very well indeed.

C. L. Washburn calls attention to the fact that the fine weather seems to be bringing in the mid-season chrysanthemums a week or ten days early and that there is a possibility of a short supply for Thanksgiving.

C. M. Dickinson, at Hunt's, says Miss Chittenden's violets, from Lansing, are the best this well known grower has produced. Miss Chittenden herself was in town last week.

A. Dietsch has had very good health all summer, but is again troubled with asthma and will shortly go to the southwest for the winter.

The George Wittbold Co. has a nice stock of young plants of Cibotium Scheidei, which they think is one of the best things which has come on the market in a long time.

Benthey & Co. say their New Castle crop is right on but that the stock all moves well.

E. E. Pieser has been under the weather this week, suffering with a bad cold.

Weiland & Risch are cutting some very good Eaton.

Poehlmann Bros. Co. are getting in some Enchantress with very long stems and fine flowers.

John Zeck, at Budlong's, says shipping trade is good. They have a large cut of 'mums.

Randall is getting some fine Beauties from Buettner and Bauske.

M. Winandy is cutting 1,500 to 1,800 Meteors a day from his new houses, but he was late in getting the houses piped and the proportion of bull-headed buds is very large. However a few days more will straighten things out.

The bowlers have received an invitation from James Hartshorne to visit Joliet Saturday night for the annual match.

Owing to the crowded and over-heated condition of the parcel-room at the Auditorium and Annex, Manager Roth states that in future flowers for guests may be delivered at the clerks' desks, when they will be sent to the rooms by bell boys without delay.

DAYTON, O.—Fewer chrysanthemums than usual are being grown here this year. H. M. Altick had his early white in good shape and easily disposed of a whole house of it. Carnations and roses look well throughout this neighborhood.

Stock Plentiful

LARGE SUPPLIES IN ALL LINES.

**Plenty Chrysanthemums,
Fine Beauties, Special Brides and Maids**

ORDINARY AND FANCY CARNATIONS.

"GREEN GOODS" FOR ALL REQUIREMENTS.

WRITE US YOUR NEEDS TO-DAY.

E. C. AMLING,

The Largest, Best Equipped and Most Centrally Located
Wholesale Cut Flower House in Chicago.

32-34-36 Randolph St., Chicago, Ill.

Long Distance Telephones 1978 and 1977 Central.

AMERICAN BEAUTY, Per doz.

36-inch stem.....	\$4.00
30-inch stem.....	3.00
24-inch stem.....	2.50
20-inch stem.....	2.00
15-inch stem.....	1.50
12-inch stem.....	1.00
Short stem.....	\$5.00 to \$6.00 per 100

Per 100

Brides and Maids.....	\$3.00 to \$6.00
Meteors and Gates.....	3.00 to 6.00
Kaiserins.....	3.00 to 8.00
Chrysanthemums.....	\$1.00 to \$3.00 per doz.
Carnations.....	1.00 to 2.00
Violets.....	.75 to 1.00
Tuberose.....	50c to 75c per doz.
Valley.....	4.00
Asparagus, per string, 25 to 50c.	
Asparagus Sprenger.....	3.00 to 6.00
Ferns.....	per 1000, \$1.50
Galax, bronze, per 1000, \$1.50	.20
Galax, green, per 1000, \$1.50	.15
Adiantum.....	1.00
Smilax.....	per doz., \$1.50
Leucothoe sprays.....	10.00
	.75

Subject to change without notice.

Mention the Review when you write.

PITTSBURG.

The Market.

Local trade has improved slightly over last week. Several large weddings helped business considerably and did much to use up the large surplus of chrysanthemums which were so plentiful last week. At this writing, Monday, November 2, chrysanthemums are better sale and no accumulations. Medium and the smaller sized flowers are really hard to obtain. The wholesalers report shipping business steadily on the increase and say that the demand for fancy carnations exceeds the supply. In roses this is just reversed; fine stock is very plentiful and the minor grades hard to move at respectable figures. Some good longiflorum lilies are in the market which meet with only ordinary sale. Single and double violets of good quality are plentiful. Fine long stemmed sweet peas, Blanche Ferry, and mignonette are among the novelties and they are eagerly bought up. Smilax is arriving in large quantities and selling slowly. Valley and adiantum are moving out rapidly.

Notes.

C. W. Goodwin & Sons, Bridgeville, Pa., have a pure white sport of the White Ivory 'mum, which is a fine thing, more showy and better form and again from a commercial standpoint, a much better flower than its parent. The form and flower resemble Robinson. Mr. Goodwin has now 300 plants which are producing quantities of blooms. The stock will be put on the market this season.

Sidney Gibbs, of Woodville, Pa., is cutting some very fancy 'mums.

G. & J. W. Ludwig have placed on the market their famous pink dahlia Ludwigi-ana.

Wm. Lauch is right in it on Robinson 'mums this season. He is cutting on an average of 300 fine flowers per day.

The Pittsburgh Cut Flower Co. is receiving quantities of elegant sweet peas, mignonette and longiflorum lilies. They are making regular shipments of chrysanthemums to New Orleans, La.

Blind Bros. are now cutting some fancy Maids, Brides and Liberties and are sending them to their new retail stores.

Fred Burki's Bakerstown place is sending in quantities of well grown Beauties, Maids and Brides. Gibsonia, Pa., is now Mr. Burki's address.

Lake View Rose Gardens

Wholesale Growers and Dealers in

**Carnations, Cut Flowers
Roses, and Supplies.
American Beauties,
Chrysanthemums, Lilies, Smilax
and Asparagus. 75,000 Cut Bloom
Chrysanthemums.**

JAMESTOWN, N. Y.

Mention Review when you write.

Theo. Beckert is cutting quantities of elegant 'mums, every one being a prize winner.

Have you noticed Breitenstein & Flemm's window display? Something new every day; its quite an adv.

Miss Emma B. Maxwell, the efficient young lady florist in Wilkesburg, reports business very good.

M. M. Bunting's place at Cheswick was sold November 2, by the sheriff, to Sam'l McKnight for \$3,000.

John Baldinger, of T. M. Ulam & Co., met with a very painful accident last Saturday. He fell from a ladder and dislocated his hip and wrist.

Recent visitors: Martin Reukoff, representing H. Bayersdorfer & Co.; W. C. Koerbel, Jeannette, Pa.; W. J. Warrick, Washington, Pa. Hoo-Hoo.

THE PITTSBURG SHOW.

Wm. Falconer, president of the Pittsburgh and Allegheny Florists' and Gardeners' Club, sends word as follows, Tuesday night:

"We have a magnificent show of chrysanthemums. They came from the E. G. Hill Co., Richmond, Ind.; Nathan Smith & Son, Adrian, Mich.; F. R. Pierson, Tarrytown, N. Y.; R. Vincent, Jr., & Son, White Marsh, Md.; the Department of Agriculture, Washington, D. C.; Schenley Park and H. C. Frick, Pittsburgh."

I RECENTLY saw a copy of Scott's Manual and don't understand how any up-to-date florist can afford to do without it; I enclose \$5; send me a copy at once.—A. L. RAUB, Easton, Pa.

Peter Reinberg

51 Wabash Ave., CHICAGO.

WHOLESALE

Cut Flowers.

LARGEST GROWER
IN THE WORLD.....

1,000,000 SQUARE FEET OF GLASS

Current Price List.

	Per Doz.
AM. BEAUTIES, 30-36 in. stems, \$3.00 to \$4.00	
" " 20-24 " 2.50	
" " 15-18 " 1.50 to 2.00	
" " Short stems... .75 to 1.00	

Per 100

CHATELAIN.....	\$4.00 to \$8.00
LIBERTY.....	4.00 to 8.00
SUNRISE.....	4.00 to 6.00
BRIDE.....	4.00 to 6.00
BRIDESMAID.....	4.00 to 6.00
GOLDEN GATE.....	4.00 to 6.00
PERLE.....	3.00 to 5.00
CARNATIONS.....	1.50 to 2.00
ROSES, OUR SELECTION.....	3.00 to 5.00

All flowers are perfectly fresh and properly packed.
No charge for P. & D. on orders over \$5 00.

N. LECAKES & CO.

45 West 29th St., NEW YORK

Tel. No. 1214 Madison Sq.

and

53 W. 28th St.
(Basement)

Tel. 1707 Madison Sq.

Stands at Cut
Flower Exchange
Coogan Bldg., W.

26th St., and 34th Street Cut Flower Market.

SPECIALTIES

**GALAX LEAVES, FERNS and
LEUCOTHOE SPRAYS.**

Mention Review when you write.

**YOU WILL
FIND ALL THE BEST
OFFERS ALL the time in the
Review's Classified Advs.**

GARDENING UNDER GLASS

Not long since, in London, there was an exhibition consisting entirely of a display of vegetables, mostly produced by private gardeners.

SOIL FOR VEGETABLES.

Suitable soil is of the utmost importance in the growing of any crop, and as those growing vegetables under glass cannot afford to take any chances, considering the expense at which the houses are run, they had better try and procure the best possible material. The present is a good time to get the compost together. It is poor policy to handle the soil when too wet, but it is just as bad to put up the compost heap when the soil is dry and powdery; hence the fall is the best time to catch the soil in the right condition.

We make a compost for our vegetable benches with just as much care as we do for our roses or carnations and find that it pays. We change the soil every year in the raised benches and in the solid beds remove a few inches of the old surface soil and replace with fresh material. Good sod soil and partly decomposed manure are the only ingredients necessary for the compost. Where a large quantity is used the plow had better be employed in the turning up of the sod, but it should not be taken any deeper than about three inches. We prefer to make the heap rather shallow, as it is very important that it should be frozen right through, and we choose, if possible, a shady situation, to enable the soil to retain the natural moisture as much as possible.

The heap is made up of alternate layers of sod and partly decomposed manure, being topped off with a good layer of the latter to help conserve the moisture. The amount of manure must be regulated according to the quality of the soil, but as a general rule about one load of manure to five of soil will be about rich enough for ordinary purposes. Manure from the cow barn is preferable to that from the horse stable, as it is less liable to generate fungus. The heap should be allowed to remain intact until the end of the following summer or within a week or two of the time it is intended to be used. Then it should be turned at least twice and well chopped up, to thoroughly mix the ingredients. For lettuce, cauliflower and such crops additions of artificial manures will be unnecessary, but for stronger feeders, like tomatoes and cucumbers, the addition of bone meal will be beneficial. This should be worked into the soil at the first turning, which had better be done about three weeks before it is intended to be used, as the bone will generate more or less heat; hence the necessity of allowing it time to work off before the soil is used.

W. S. CROYDON.

CEDAR RAPIDS, IA.—J. S. Crozer has opened a flower store here.

ST. JOHNSVILLE, N. Y.—John Stevens, who is both gardener and florist, picked strawberries October 26.

NORTH OLMSTED, O.—J. B. Harrison is starting in business with two houses, one 14x100, the other 20x100. A. M. Coe has just finished two houses, 25x50.

Seed Trade News.

AMERICAN SEED TRADE ASSOCIATION.

Pres., S. F. Willard, Wethersfield, Conn.; First Vice-Pres., J. Chas. McCullough, Cincinnati, O.; Sec'y and Treas., C. E. Kendel, Cleveland, O. The 23d annual meeting will be held at St. Louis Mo., June, 1904.

TED PEAT, Norwalk, O., is erecting a building in which to start a seed store.

A FIVE per cent delivery on contract orders seems to be the vogue in cucumber seed.

THE coming of the California growers is being heralded. The advance guard should reach the east within the month.

PETER GARTON, seed merchant, of Liverpool and Manchester, England, contemplates establishing a seed and experimental farm in Canada.

INFORMATION comes that Mr. Comont will sail for home shortly; Mr. Dicks, Jr., having already sailed, the field will be clear for the Californians.

THE sweet corn and cucumber seed growers are backward in pushing themselves forward just now. Things have not been coming their way recently.

"GIRLS wanted," is a seasonable sign in front of the warehouses of the bean and pea growers. With the mills humming and the picking machines busy deliveries of peas should be well under way by the end of the month.

ORCHARD grass seed, which has been firmly held by the Kentucky growers for several months for the price of \$2 per bushel, now is coming freely into the market at Jeffersonville, where T. J. Lindley has bought nearly 20,000 bushels at \$1.46.

THE question of raising cucumber seed is getting to be serious. There is no likelihood that the pickle men will get more of the fruits than they need to salt down for some seasons to come. The short crops of the past two years and the high prices paid at the salting stations, resulting therefrom, makes an increased demand for the seed and lessens the opportunities to secure it. The regulars in cucumber seed growing have failed to meet the emergency, being no better off this year than last. Every effort has unquestionably been put forth by them, and it may be that they will accomplish something the coming year; as it stands at present, however, the trade is up against a hard proposition.

BURPEE & Co., in their advance wholesale price list, say: "It is a most remarkable coincidence that, owing to extremely unfavorable climatic conditions, the shortages in seed crops the past season have been upon the same lines as for the previous year. Cucumber, squash and many melons have produced only one-fourth of an average yield, as have also late varieties of sweet corn; early varieties of sweet corn have averaged from 40 to 70 per cent of a normal crop. All first-early peas, except Alaskas, are extremely short, several varieties averaging only half a crop, while many long-podded late peas are almost equally as short. Wax beans bid fair to rule as high in price as last year, while of several green-podded bush beans there are not enough in sight to meet normal re-

quirements. Tomatoes and sweet peas are also short, but not to such a distressing extent."

IMPORTANT EXPERIMENTS.

The cause of the dry rot in onions and onion sets is being investigated at the Illinois Agricultural College. Professor Lloyd, of that institution, is working on samples sent to him by S. F. Leonard, of Chicago. The outcome of the investigation is likely to be quite interesting and of much value.

Up to the present many ideas have been advanced and many theories given as to causes for the onion disease mentioned, but nothing final as to cause and nothing definite as to remedy has been handed out. In connection with the experiment on the bulbs, Professor Lloyd has also, at the request of Mr. Leonard, investigated the web-like fungus that frequently appears when onion seed is being tested for germinating power. The seed trade generally has held to the idea that this fungus has affected the sprouting strength of the seed, and, that it probably contained the germs that caused the dry rot. Microscopic investigation by the professor, however, shows that this fungus does not affect the germination of the seed, nor has it anything to do with a dry rot or other disease which may develop in a crop. It is probable that a report of these interesting investigations will appear in pamphlet form when the findings are completed.

GOVERNMENT SEEDS.

A Washington telegram under date of November 3 says:

Distribution of garden seed in the aggregate amount of 1,000 tons is in progress in every state and territory in the Union by the Department of Agriculture today. The value of the packages will exhaust the appropriation of \$270,000 voted by the last congress and the packages will number 45,000,000. Every senator, representative and delegate in congress will have 12,500 packages to distribute among his constituents, while the department will itself send out 700,000 packages to correspondents and 800,000 to state grange organizations and several hundred thousand more to weather bureaus and government experimental stations. It is the largest distribution ever made by the government.

The distribution this year is several months in advance of that of last year and is being sent into six districts, into which the country has been divided. Congressmen having city constituencies will receive a large supply of flower seeds for window boxes, lots and dooryards and may trade in their vegetable seeds for more flower seeds if they desire. Cotton and tobacco seeds also will be distributed in large quantities to districts where they are available.

FERRY PROTEST SUSTAINED.

Judge Waite, of the Board of United States General Appraisers, made a decision today in the reappraisal protest cases of D. M. Ferry & Co. and the Lohman Seed Co., of Detroit, says the New York Commercial, which seems to settle the question of whether there is a wholesale price for foreign garden seeds in the strict sense of the term.

It appears that Ferry & Co. and the Lohman Seed Co. entered garden seeds at the port of Detroit at valuations which Collector Rich thought insufficient, notwithstanding the fact that the appraiser of the port was of the opinion that the seeds were properly entered so far as values were concerned. The collector, it is said, acted largely on information furnished him by United States special treasury agents, and not being satisfied with the conclusions reached by the local appraiser, he appealed to the board of general appraisers for a review of the appraiser's decision. Judge Waite took the cases under consideration, and has devoted a great deal of time to taking testimony. Leading importers of seeds in New York and elsewhere have been called upon for information. The greater part of the evidence placed before Judge Waite appears to have supported the contention that garden seeds are to be classed with those commodities which have what may be termed a personal characteristic.

NEW CROP SEED SWEET PEAS.

Blanche Burpee—Pure white.....35c per lb.
 Blanche Ferry—Pink and white.....35c "
 Captain of the Blues—Dark blue.....35c "
 Dark Lavender—Very fine.....50c "
 Countess of Radnor—Pale, fine.....35c "
 Emily Henderson—Fine white.....35c "

Earliest of All—Fine forcer, pink and white.....50c per lb.
 Katherine Tracy—Fine rose.....35c "
 Mont Blanc—Extra fine white, good forcer.....50c "
 Navy Blue.....35c "

The Bride—White.....50c per lb
 Christmas Forcing—Pink, per 1/4-lb., 40c; lb. \$1.00. White, per 1/4-lb., 40c; lb. \$1.00.

If wanted by mail add at the rate of 10c per lb. for postage.

STUMPP & WALTER CO., 50 Barclay Street, New York City.
 Branch Store, 404 East 34th St.,

Mention the Review when you write.

ESTABLISHED 1802.

Thorburn's Bulbs

Our Wholesale Catalogue of Bulbs and Flower Seeds for Florists now ready.

DUTCH HYACINTHS, SPIRAEAS and all Florists' Forcing Bulbs.

Expected soon and are booking orders now for ASPARAGUS PLUMOSUS ROBUSTUS

Which grows more rapidly, yields more sprays for cutting and is by far more valuable for florists than any other sort.
 \$1.00 per 100 seeds; \$9.00 per 1000 seeds.

J. M. THORBURN & CO.

36 Cortlandt St., NEW YORK.

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BULBS FOR FORCING and BEDDING.

BEST GRADES ONLY.

Write for special prices.

W. C. BECKERT, - ALLEGHENY, PA.

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such as belongs to works of art or such articles dependent for their value upon the reputation of the producer. Another point established by the testimony was to the effect that practically all the garden seeds under consideration are produced upon contract, the usual quantities being quite large.

Although Judge Waite did not feel at liberty to discuss the Ferry and Lohman cases in detail, it was learned that the general appraiser reaches the conclusion that there are no wholesale prices for garden seeds, and that consequently the American customs authorities will arrive at the invoice price under section 11 of the customs administrative act by analogy.

In the course of Judge Waite's investigation, he has considered many invoices of garden seeds entered at New York and other ports, but finds that in very few instances have the invoiced prices been raised by the local appraiser, although it is said to be apparent that importers have been forced to raise the entered value of their invoices in order to avoid penalties, as it is a question with them whether they should advance on entry or take the risk of having penalties imposed which would involve the expense and delay of an appeal.

While Judge Waite declined to say what had influenced the collector of customs in Detroit in holding that the invoice prices did no represent full values, it is believed that the special treasury agents had found what they considered to be wholesale market values. It was said that much of the garden seed imported into this country comes from Germany, France and England, and is grown almost exclusively for exportation to the United States, there being little or no demand for seeds of the kind in those countries. Another factor influencing the finding is that in contracting for seeds, the personal responsibility and reputation of the foreign contractors is relied on, as inferior seeds imported and sold in this country would entail serious financial loss to the buyers.

HERE'S another dollar; we can't do without the REVIEW.—W. G. PAYNE, Girardsville, Pa.



Dracæna Canes

Fresh Terminalis Canes from the new sessions 20 cents a foot.

Kentia Belmoreana and Forsteriana

Fresh seed from the Tropics, 1000, \$4.00.

DUTCH VALLEY CLUMPS

Fine, strong, healthy clumps, case lots of 200 clumps, \$30 00.

Auction Dept.

WM. ELLIOTT & SONS, New York

Mention the Review when you write.

SURPLUS BULBS.

SINGLE HYACINTHS for Bedding or Forcing, Light Blue, Pink and Pure White, \$2 75 per 100; \$23.00 per 1000.

NARCISSUS TRUMPET MAJOR.....\$7.50 per 1000

NARCISSUS VON SION, good forcing grade.....12.00 "

ROMAN HYACINTHS, 12 to 15 cms.....25.00 "

CALLA ETHIOPICA, 5 1/2 to 7-inch circumference.....8.00 per 100

HARRISII LILY, 5 to 7-inch.....3.50 "

PARROT TULIPS, best mixture.....7.00 per 1000

CHINESE NARCISSUS.....per basket, 30 bulbs, \$1.25

Per bale, 4 baskets (120 bulbs).....4.25

THE STORRS & HARRISON CO., PAINESVILLE, OHIO.

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Burpee's Seeds Grow

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THE ALBERT DICKINSON CO.

Timothy, Clovers, Flax, Hungarian, Millets, Red Top, Blue Grass,

Lawn Grass, Orchard Grass, Pasture Mixtures, Bird Seeds,

ENSILAGE CORN, POP CORN, BUCKWHEAT, BEANS, PEAS, ETC.

COTTON GRAIN BAGS.

CHICAGO ILL.



LONGIFLORUMS,

HARRISII,

FREESIA, OXALIS,

Now ready for delivery. CALLAS.

Annual Trade List of BULBS sent on application

W. W. RAWSON & CO., Seedsmen

12 and 13 Faneuil Hall Square, BOSTON.

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VREDENBURG & CO.

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Lithographing, Printing, Engraving.

Binding exclusively for FLORISTS,

SEEDSMEN and NURSEYMEN

Sample Colored Plates free—Send for Catalogue

UNEQUALLED FACILITIES

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RAFFIA!

We carry a large assortment of COLORED RAFFIA GRASS on hand for immediate delivery.

Every strand is dyed its entire length. Samples free.

R. H. COMEY CO., Dyers, CAMDEN, N. J.

Mention the Review when you write.

PACIFIC COAST.

SANTA CRUZ, CAL.—J. P. Parker has made large additions to his collection of orchids, and will send the flowers to the San Francisco market.

SANTA BARBARA, CAL.—At the recent exhibition of the Santa Barbara Horticultural Society the handsome silver cup offered for the best collection of cactus dahlias by Wm. F. Dreer, the Philadelphia seedsman, who has a home here, was awarded to the Leedham Bulb Co., of Santa Cruz., for a very fine display.

PLANT NOTES.

The Paper White narcissus is one of our most valuable winter flowers and can be brought into bloom as early as November 1st, by starting the bulbs with a good watering in August. We do not force them under glass in California, as they bloom so freely outside that it does not pay. They multiply about three-fold each year and should be transplanted about every third or fourth season. I have seen a patch containing over one hundred thousand flowering bulbs on a piece of ground less than an acre in size. The price of bulbs has fallen so much here during the last few years that the finest could be had at from \$2.50 to \$3 per thousand this season. The price of the cut blooms will average about 50 cents per hundred during the season.

There is hardly any sale for any of the other varieties of white or yellow narcissus except at very low prices. I have found the Sir Watkin daffodil to be the best-paying variety we have grown during the last two seasons. It does not force as well as Trumpet Major or Princeps, but for an out-of-door sort it has no equal. The flowers are borne on very long stems, and are as large as single dahlias. The double Von Sion variety is not in demand in this vicinity, and there is very little profit in growing Trumpet Major unless they are flowered very early. Both the single and double Incomparable are extensively grown, but they do not bring much money, as they are both rather late blooming varieties.

Our freesias are up about six inches from the ground. We grow them entirely in flats, about two hundred bulbs to the box, and bring them inside when the cold weather begins, generally about December 1. A good succession of flowers can be had for several months if the bulbs are systematically planted. Freesias pay very well, for they are of the easiest culture and require but little heat and room. They wholesale at from \$1 to \$1.50 per hundred stems. Bulbs could be bought this season at \$2 per thousand in Los Angeles.

No one in California pretends to force callas, as they are only a back-yard flower with us, and can only be sold for Easter decoration or Decoration Day shipments to some interior part of the country.

Gladioli pay fairly well, as they are a flower that can be grown in any old place, and, although cut spikes rarely wholesale for more than \$2 per hundred they multiply so rapidly that if there is any sale for them at all it seems all profit. The Bride gladiolus flowers about the middle of April, when grown outside, and is one of our best selling varieties. The other sorts bloom from May until the end of October.

Ranunculus, anemones, ixias, sparaxis and crocus find no favor with the florists here, and are only grown as garden flowers.

WORLD'S FAIR NOTES.

Celery four feet tall and stalks of rhubarb four feet high and five inches thick will be exhibited at the World's Fair by Washington gardeners to show the capabilities of the soil and climate of the great northwestern state.

Four car loads of agaves that were planted in the university gardens at Notre Dame, Ind., were recently bought by the World's Fair management. Many of the plants are ten feet tall. They will be used by the landscape architect in beautifying the exposition grounds.

Joseph H. Hadkinson, superintendent of the outdoor planting for the agricultural department, has cut some Paul Neyron rose shoots from the World's Fair six-acre rose garden that were five feet long. These roses were planted last April.

RICHMOND, IND.—The Richmond Sketch Club opened its season October 27 with an exhibition at the Morrison-Reeves library, to which the E. G. Hill Co. sent a display of very fine chrysanthemum blooms.

WANT ADVERTISEMENTS.

Advertisements under this head one cent a word, cash with order. Plant advertisements NOT admitted under this head.

Every subscriber is entitled to a free situation wanted or help wanted advertisement not exceeding 35 words in any one issue during the year. If the advertisement exceeds 35 words, send at the rate of one cent for each additional word.

When answers are to be addressed in our care, add 10 cents for forwarding.

SITUATION WANTED—In Chicago, by a young lady in a florists' store; six years' experience; best of references. Address No. 301, care Florists' Review, Chicago.

WANTED—A young single man for general greenhouse work on a big private place—10,000 sq. ft. of glass—as assistant gardener; one who is not afraid of work; must also do the firing every third day; \$50.00 per month for the right man; one who has some experience in orchids preferred. C. Gebhardt, Lake Geneva, Wis.

WANTED—Florist, at once, to take charge of 6000 ft. of glass; grow cut flowers and general stock; references. S. J. Long, Petoskey, Mich.

FOR SALE—Four volumes of The Illustrated Dictionary of Gardening, an encyclopedia of horticulture; all in good condition; will sell them cheap. Achille Deserables, 406 Green St., Germantown, Phila., Pa.

WANTED—Young man who understands plants to work in store; start \$8.00 per week. Address No. 200, care Florists' Review, Chicago.

WANTED—Young man for general greenhouse work and one who will make himself useful where a general retail trade is carried on. One who is willing to learn will be acceptable; state wages. Fred Rentachler, Madison, Wis.

WANTED—Florist; an all-around man who understands his business in raising cut flowers and potted plants, and is capable of taking charge. Address Rudolph Kaiser, 104 College avenue, Annapolis, Md.

FOR SALE—Retail greenhouse; four greenhouses with office; one house 20x112 ft., one 22x60 ft., one 14x60 ft., one 14x30 ft.; also hotbed sash, all well stocked with salable plants; 3,000 carnations planted in fine shape; plenty stock for spring sales; located in a thriving town; no opposition closer than 25 miles, trolley road; steam heat, town water; cheap for cash. Address Lock Box 82, Middletown, Delaware.

WANTED—Good assistant in greenhouse, \$20.00 per month, board, room and laundry, with chance of advance. Address Chas. Keller, Woodmere P. O., Detroit, Mich.

FOR SALE—A beautiful home and greenhouse. Dwelling contains 13 rooms, all modern improvements, in a city of 7500 inhabitants, with no competition; greenhouse has 6000 feet under glass, well stocked with choicest plants. Will be sold together or separate. Reason for selling, ill health. Four railroads and good shipping facilities. Address Frank Shaffer, Pana, Ill.

SITUATION WANTED—By working foreman, Scandinavian, middle-aged, married, life experience in growing cut flowers and bedding plants. Best references. Address J. A. Rosen-gren, 2048 Carrol St., Merriam Park, St. Paul, Minn.

WANTED—A young man of ability as a decorator and maker-up for an up-to-date floral establishment; must come well recommended; will pay good wages to the right man. Address M. M. Ayers, 315 N. Grand Ave., St. Louis, Mo.

SITUATION WANTED—As foreman or manager; eighteen years' practical experience; thoroughly conversant with all branches of the business. Address No. 196, care Florists' Review, Chicago.

WANTED—An experienced market gardener who understands marketing as well as handling plants from seeds to market; man must be quick, energetic and competent. Several hundred sash to be handled. Address Myra Eggleston, Ouray, Colo.

WANTED—A competent and up-to-date florist, not over 40, for retail store in Chicago, to wait on trade, decorate and make-up; must be sober and reliable; no greenhouse work; references and salary expected. Address No. 197, care Florists' Review, Chicago.

FOR SALE—Store and greenhouses; fully stocked; long time lease; good location and doing a good business; ill health cause of selling. Address John Hoeft, 920 N. Campbell Ave., Chicago.

SITUATION WANTED—By a gardener and florist; 12 years' experience; good references, commercial or private places; south or western states preferred. Address No. 198, care Florists' Review, Chicago.

SITUATION WANTED—Young man, age 26, as grower of carnations, roses and general stock; understands propagating and designing; references. Address No. 199, care Florists' Review, Chicago.

FOR SALE—Wishing to retire from business I will sell the fixtures and rent my store. It is an old established business situated near Lincoln Park. Address Mrs. J. Wienhoeber, 370 Center Street, Chicago.

FOR SALE—Some extra good second-hand 3-inch pipe, guaranteed sound, at 6c per foot; also some 4-inch. W. H. Salter, Rochester, N. Y.

FOR SALE—Bargain of four years' established greenhouse business, 4,000 feet glass; in first-class condition; southern Ohio; reason for selling. For particulars address No. 189, care Florists' Review, Chicago.

WANTED—A reliable all around store man; one having ability to decorate and design; permanent position. State salary and reference. William L. Rock Flower Co., Kansas City, Mo.

WANTED—Florist to grow pot plants and cut flowers, and take charge 6,000 feet glass; single, price \$40.00 with room. Address No. 192, care Florists' Review, Chicago.

FOR SALE—New greenhouse material as follows: New 2-in. black pipe, long lengths, 10 cts. per ft.; 6x8, 50 ft. boxes, American glass, single, \$2.25 per box; 6x8, 50 ft. boxes, American, double, \$2.70 box; 6x8, 100 ft. boxes, French, single, \$4.00 box; 8x10 single French glass, \$4.50 per 100 ft. box; 12x14, 16x18, 14x14, 50 ft. boxes, American glass, double, \$3.60 box; 12x12, 10x14, 50 ft. boxes, American glass, single, \$2.40 box. Clear gulf cypress greenhouse material, and everything for building. Send for prices. S. Jacobs & Sons, 1365 to 1375 Flushing Ave., Brooklyn, N. Y.

FOR SALE.

One single open delivery wagon; will also dispose of horse and harness.

FLORIST,
50 West 29th St., New York City.

WANTED

Experienced seed clerk for counter trade; must understand German and capable of handling market gardener's trade; permanent. Give full particulars, salary expected, and references.

ST. LOUIS SEED CO.,

St. Louis, Mo.

...FOR SALE...

A market garden. Flowers, fruits and vegetables; 1500 peonies, 2000 currants, 3000 black raspberries, 300 mixed fruit trees, bearing; other fruits and flowers; also yards and pasture for chickens; 40 miles south of Chicago on Illinois Central R. R.; 5 blocks from depot; good building; fine location; thrifty town.

H. HOUGHTON, - - Peotone, Ill.

Pittsburg Cut Flower Co. Ltd.

CHRYSANTHEMUMS, CARNATIONS,
ROSES AND VALLEY.

WHOLESALE FLORISTS,
504 Liberty Ave., Pittsburg, Pa.

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\$2.75 **SELECTED** **Dutch Hyacinths** **\$26.00**
per 100 **SINGLE.** per 1000
DOUBLE.

FOR BEDDING OR FORCING. 250 bulbs at 1000 rate.

Separate colors—Pink, Red, White, Blush White, Blue and Yellow, 40c doz.; \$2.75 a 100; \$26.00 a 1000

BURBANK'S GIANT SHASTA DAISYper 100 seeds, 20c; per 1000 seeds, \$1.25

NEW CROP SWEET PEAS, standard sorts for forcing....10c per 1/4 lb.; 80c per lb.; 5 lbs., \$1.25

Fresh Importation Mushroom Spawn. Write for prices.

JOHNSON & STOKES, 217 and 219 Market St., PHILADELPHIA, PA.
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If you want MUMS, Carnations or Roses, write, phone or wire **EUGENE BERNHEIMER,**
WHOLESALE FLORIST, 11 So. 16th St., PHILADELPHIA.
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Maplewood Cut Flower and Plant Co. GEO. M. KELLOGG, Pres.
Growers of CUT FLOWERS at Wholesale.
Regular shipping orders given special attention.
We have the largest plant west of Chicago.
Store: 906 Grand Ave., KANSAS CITY, MO.
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COTTAGE GARDENS
Wholesale Florists,
QUEENS, - L. I., N. Y.
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THE E. G. HILL CO.
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RICHMOND, INDIANA.
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Specimen Plants...
PANDANUS VEITCHII.
in 7, 8, 9 and 10-inch pots, at \$1.50 to \$5.00 each.
The 9 and 10-inch are pedestal grown.
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GROWER OF **Palms, Etc.**
Send for Price List.
HOLMESBURG, PHILADELPHIA, PA.
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The Florists' Manual Tells You What You Want to Know in the Way You Want to be Told.

Wholesale Cut Flower Prices.

Philadelphia, Nov. 4.

	Per doz.
Beauties, Specials.....	\$ 2.50 to \$4.00
No. 1.....	1.50 to 2.00
Shorts.....	.75 to 1.00
Queen of Edgely, No. 1.....	2.00 to 3.00
No. 2.....	1.50
No. 3.....	.75 to 1.50
Per 100	
Bride and Bridesmaid, Specials....	4.00 to 6.00
No. 2.....	2.00 to 3.00
Golden Gate, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Kaiserin, Firsts.....	5.00 to 8.00
Seconds.....	3.00 to 4.00
Meteor, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Perle.....	2.00 to 4.00
Sunrise.....	3.00 to 5.00
Ideal.....	4.00 to 8.00
Liberty, Firsts.....	6.00 to 12.00
Seconds.....	3.00 to 5.00
Orchids—Cattleyas.....	40.00
Cypripediums.....	15.00
Carnations, Commons.....	1.00 to 1.50
Selects.....	2.00
Mrs. Lawton, etc.....	3.00
Enchantress.....	4.00
Adiantum Cuneatum.....	.75 to 1.00
Asparagus Plumosus, Strings.....	35.00 to 50.00
Bouvardia.....	2.00 to 2.50
Chrysanthemums, Ordinary.....	4.00 to 8.00
Fancy.....	10.00 to 25.00
Lily of the Valley.....	3.00 to 5.00
Mignonette, Ordinary.....	2.00 to 3.00
Cosmos.....	.25
Sweet Peas.....	.75 to 1.00
Violets, ordinary.....	.25 to .50
Extra.....	.50 to 1.00

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EDWARD REID,
WHOLESALE FLORIST.
Beauties, Kaiserins,
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1526 Ranstead St., PHILADELPHIA.
Store closes at 8 p. m.
Long Distance Telephone.
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WILLIAM J. BAKER,
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Chrysanthemums!
1432 South Penn Square, Philadelphia.
Mention Review when you write.

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1516-18 Sansom St. PHILADELPHIA.
Violets, Carnations, Roses, Valley.
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128 W. 6th Street,
MINNEAPOLIS, MINN.
Wholesale Cut Flowers and Supplies.
WILD SMILAX—Flowers billed at market prices.
Shippers of Choice Cut Flowers and Greens of all kinds. Try us.

HOLTON & HUNKEL CO.
WHOLESALE FLORISTS.
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CLEVELAND, - OHIO.



"Fancy" Tea Roses

EXTRA FINE STOCK, with long stem and finest buds. All varieties.

If you use this kind we can furnish them FINE AS CAN BE GROWN, FRESH CUT and shipped direct from our greenhouses.

Write for price list.

HELLER BROS.
South Park Floral Co., NEW CASTLE, IND.

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Charles Millang, 50 W. 29th St. New York

We are headquarters for every kind of Cut Flowers in their season.

"THE LILY KING." Reasonable Prices. Square Dealing. Out-of-town florists promptly attended to. Telephone for what you want. Tel. 2230 Madison Square.

Moore, Hentz & Nash Wholesale Florists.

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BRADSHAW & HARTMAN,
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Telephone 1239 Madison Square.
Consignments Solicited.
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789 Madison Square
Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND.
ORCHIDS A SPECIALTY.
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The largest commission house in America for **57 W. 28th Street, NEW YORK.**
Roses, Violets and all other varieties of Cut Flowers.

My large shipping trade enables me to command the highest prices. which ring, connects you with all our **TELEPHONES.**
Special arrangements this season for the extensive handling of American Beauties.

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Open every day at 6 a. m.
J. K. ALLEN
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108 W. 28th Street, New York City
We ship all over the United States. Consignments realize with us the best market prices. Tel. 167 Madison Sq.
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WALTER F. SHERIDAN,
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CUT FLOWERS
39 West 28th St., NEW YORK.
(Established 1882)
Receiving Extra Quality American Beauties and all other varieties of Roses. Telephone 902 Madison Square. Carnations.
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Cut Flower Exchange.
OPEN ALL DAY!
AN UNEQUALLED OUTLET FOR CONSIGNED FLOWERS.
Telephone No. 2438 Madison Sq.
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JAMES A. HAMMOND,
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Consignments receive conscientious and prompt attention. Highest market price guaranteed.
The finest stock in the market always on hand.
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Telephone 2239 Madison Sq.
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Shipping orders receive prompt attention.
Mention the Review when you write.
Always mention the florists' Review when writing advertisers.

Wholesale Cut Flower Prices.

New York, Nov. 4.

	Per 100
Beauties, Specials	\$10.00 to \$25.00
Extra	8.00 to 10.00
No. 1	4.00 to 6.00
Shorts	1.00 to 3.00
Brides and Maids, Specials	4.00 to 6.00
Extra	2.00 to 4.00
No. 1	1.00 to 2.00
No. 2 .....	.50
Golden Gate	2.00 to 6.00
Liberty	2.00 to 8.00
Meteor	1.00 to 3.00
Cattleyas	20.00 to 30.00
Cypripediums	10.00 to 12.00
Dendrobium Formosum	30.00 to 40.00
Carnations, Common .....	.50 to .75
Selects	1.00 to 2.00
Fancies	1.50 to 2.50
Novelties	3.00 to 4.00
Adiantum cuneatum .....	.25 to .35
Croweanum	1.00
Asparagus plumosus, Strings	35.00 to 50.00
Chrysanthemums, ordinary	2.00 to 4.00
fancy	8.00 to 35.00
Lilium Harrisii	5.00 to 8.00
Lily of the Valley	1.00 to 3.00
Smilax	5.00 to 8.00
Violets, ordinary .....	.35 to .50
extra .....	.75 to 1.00
fancy	1.50

This has been election week and genuine election weather, warm, sunny Indian summer. Comment as to the condition of the market seems unnecessary. The same conditions and prices as a week ago prevail except that violets are limited in supply and splendid in quality. They easily command \$1.00 per hundred. The chrysanthemum torrent continues.

GEO. SALT FORD,
Author of "HOW TO MAKE MONEY GROWING VIOLETS."
WHOLESALE FLORIST,
46 West 29th Street, NEW YORK CITY.
Telephone No. 3393 Madison Sq.
CONSIGNMENTS OF ALL FIRST-CLASS FLOWERS SOLICITED.
VIOLETS our specialty.

GALAX. Bronze or Green.
75c per 1000 in 2000 lots or more.
Leucothoe Sprays, Green, 90c per 100.
Southern Smilax, fresh stock, per 50-lb. case, \$6.00; per 25-lb. case, \$3.50.
Green Sheet Moss, choice stock, \$2.50 per barrel sack.
Sphagnum Moss, \$1.75 per large bale.
Florists' Supplies of every description.
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ORCHIDS CATTLEYA LABIATA and all other choice Orchids in season.
Everything in Cut Flowers—the best in the market
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New York
Send for Quotations
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Riedel & Spicer
Wholesale Florists,
Strictly Wholesale, 34 W. 29th Street, New York City.
Tel. 3039 Madison Sq.
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The New York Cut Flower Co.
55 and 57 West 26th Street,
WHOLESALE FLORISTS.
Daily Reports. Weekly Payments.
Tel. 756 Madison Sq. J. A. MILLANG, Manager.

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Alfred H. Langjahr
Wholesale Commission Florist,
55 West 28th St., NEW YORK.
BROOKLYN STORE, 19 Boerum Place,
Telephone 939 Main.

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Florists' Review
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Grown Right }
Cut Right } All Right
Packed Right }
Shipped Right }
Priced Right }

Winterson's Cut Flowers

IF YOU DON'T GET
OUR WEEKLY PRICE LIST
WE WILL BE GLAD TO SEND IT
FREE ON REQUEST.

HEADQUARTERS
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THE CELEBRATED
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Wild Smilax
(NONE BETTER)

Bouquet Green
Choicest Holly
EVERGREEN WREATHING
HOLLY WREATHS
IMMORTELLS
CAPE FLOWERS
And all **HOLIDAY**
SUPPLIES

"Good Goods
at Reasonable Prices"

Catalogue Free.

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MODERN SUPPLY HOUSE,
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CHICAGO.

ESTABLISHED 1872.

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WHOLESALE and COMMISSION FLORIST,
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WANTED A few more reliable growers of
Carnations and Violets. Only first-class stock
handled.

BRANCH STORE, 48 West 30th St.,
New York. R. W. PERKINS, Manager.
Consignments Solicited. Quick returns to Ship-
pers. Highest Market Prices Guaranteed.

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YOU will find...
ALL the **BEST** offers
ALL the time in the Re-
view's Classified Ads.

Kurzman-Dacre Company

WHOLESALE FLORISTS,
37 W. 28th St. NEW YORK.
Telephone No. 2195 Madison Sq.

Wholesale Cut Flower Prices.

Pittsburg, Nov. 4.

	Per 100
Beauties, Specials.....	\$20.00 to \$25.00
Extra.....	12.00 to 15.00
No. 1.....	6.00 to 8.00
Shorts.....	2.00 to 4.00
Brides and Maids, Specials.....	4.00 to 5.00
Extra.....	4.00 to 5.00
No. 1.....	2.00 to 3.00
No. 2.....	1.00 to 1.50
Cusin.....	1.00 to 4.00
Golden Gate.....	1.00 to 4.00
Kaiserin.....	2.00 to 8.00
Liberty.....	2.00 to 8.00
Perle.....	1.00 to 4.00
Carnations, Common.....	.75 to 1.00
Selects.....	1.00 to 1.25
Fancy.....	1.50 to 2.50
Adiantum Cuneatum.....	.75 to 1.00
Asparagus plumosus, Strings.....	30.00 to 50.00
Sprays.....	2.00 to 8.00
Sprenger, Sprays.....	2.00 to 8.00
Chrysanthemums, ordinary.....	4.00 to 8.00
fancy.....	10.00 to 20.00
Daisies.....	.50 to .75
Lilium Longiflorum.....	8.00 to 12.00
Lily of the Valley.....	8.00 to 4.00
Mignonette, ordinary.....	1.00 to 2.00
Pansies.....	.50 to .75
Smilax.....	10.00 to 12.50
Sweet Peas.....	.75 to 1.00
Violets, ordinary.....	.25 to .50
Extra.....	.75 to 1.00

Milwaukee, Nov. 4.

	Per 100
Beauties, Extra.....	\$15.00 to 18.00
No. 1.....	10.00 to 12.50
Shorts.....	4.00 to 6.00
Brides and Maids, Specials.....	5.00
Extra.....	4.00
No. 1.....	3.00
No. 2.....	2.00
Golden Gate.....	4.00 to 5.00
Kaiserin.....	4.00 to 5.00
Meteor.....	4.00 to 6.00
Perle.....	3.00 to 4.00
Carnations, Selects.....	1.00
Fancies.....	2.00 to 3.00
Asparagus plumosus, Strings.....	50.00
Sprays.....	2.00 to 4.00
Sprenger.....	2.00 to 4.00
Callas.....	12.50
Chrysanthemums, Ordinary.....	6.00 to 8.00
Fancy.....	12.50 to 18.00
Daisies.....	.50
Smilax.....	12.50 to 15.00
Violets ordinary.....	.50
extra.....	1.00
Common Ferns.....	.20

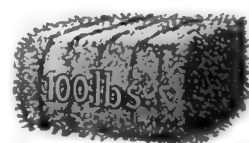
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**Baled
Spruce Boughs**
for Cemetery
and Park use.

Also Wholesale Dealer in

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**BOUQUET GREEN,
SPHAGNUM MOSS, etc., etc.**

Special attention paid to furnishing in carload
lots. Write for prices and terms.

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TOP GRADE FOR SHIPPING.

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BRIDE, LIBERTY, METEOR,
LILY OF THE VALLEY, CARNATIONS.

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TRAENDLY & SCHENCK, Wholesale Florists

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38 W. 28th St., NEW YORK.

Telephones 798 and 799 Madison Square. CONSIGNMENTS
SOLICITED.

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Wholesale Florists and
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108 Livingston Street, BROOKLYN, N. Y.
Tel. 3660-3661 Main.

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111 W. 30th Street, NEW YORK.
Telephone 157 Madison Square.

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AND RECEIVERS OF

A complete assortment of the best in the
market can always be relied upon.

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AUGUST MILLANG,

Wholesale Com-
mission dealer in **Cut Flowers**

55-57 W. 26th St., NEW YORK CITY.
Googan Building.

Violets and Carnations our specialties.

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EDWARD MCK. WHITING, Vice-Pres. and Counsel
JOHN E. WALKER (Member of the New
York Bar). - Secretary and Treasurer

56 Pine St., Rooms 601-603 NEW YORK CITY
Wallace Bldg.

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FRANK MILLANG,

CUT FLOWER EXCHANGE,
Googan Building,
55-57 W. 26th St., NEW YORK CITY.

Phone 299 Madison Sq.

OPEN FROM 8:00 A. M. to 5:00 P. M.

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able Flowers all the year around.

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We are head-
quarters for **HARDY CUT FERNS!**

Fancy or Dagger, 75c per 1000. Contracts
made to supply the year around. Use our
Laurel Festooning. It's the best decorative
material to be found, we make it fresh daily. 4c,
5c and 6c per yd. Bargains in **Galax**, A No. 1
quality, **Bronze** or **Green**, 75c per 1000 in
10,000 lots. **Mosses**, &c.
Send us your wants and
be well satisfied.



Tel. Office, New Salem.

Long distance telephone connections.

Wholesale Cut Flower Prices.

		Chicago, Nov. 4.	
		Per doz.	
Beauties, 36-inch stems.....		\$4.00	
" 30 ".....		3.00	
" 24 ".....		2.50	
" 20 ".....		2.00	
" 15 ".....		1.50	
" 12 ".....		1.00	
" Shorts.....		.75	
		Per 100	
Bridesmaids, Specials.....		\$4.00 to \$6.00	
Firsts.....		2.00 to 3.00	
Brides, Specials.....		4.00 to 5.00	
Firsts.....		2.00 to 3.00	
Kaiserin.....		3.00 to 10.00	
Liberty, Specials.....		10.00 to 12.00	
Firsts.....		6.00 to 8.00	
" Seconds.....		3.00 to 5.00	
Golden Gate, Firsts.....		4.00 to 5.00	
" Seconds.....		2.00 to 3.00	
Meteor, Firsts.....		4.00 to 5.00	
" Seconds.....		2.00 to 3.00	
Mme. Chatenay, Firsts.....		6.00 to 8.00	
" Seconds.....		3.00 to 5.00	
Carnot, Firsts.....		6.00 to 10.00	
" Seconds.....		3.00 to 4.00	
Ivory, Firsts.....		4.00 to 5.00	
" Seconds.....		2.00 to 3.00	
Sunrise, Firsts.....		4.00 to 6.00	
" Seconds.....		2.00 to 3.00	
Perles, Firsts.....		4.00 to 5.00	
" Seconds.....		2.00 to 3.00	
Carnations, Fancy.....		1.50 to 2.50	
Commons.....		1.00	
Violets.....		.50 to 1.00	
Chrysanthemums, \$1.00 to \$3.00 doz.			
Easter lilies, \$2.00 doz.			
Callas, \$1.50 per doz.			
Valley.....		4.00 to 5.00	
Tuberose.....		4.00 to 5.00	
Adiantum cuneatum.....		.75 to 1.00	
Asparagus plumosus, Strings.....		25.00 to 50.00	
" Sprays.....		2.00 to 3.00	
Asparagus Sprengeri, Sprays.....		3.00 to 6.00	
Smilax.....		\$1.25 to \$1.50 per doz.	
Common ferns, per 1000, \$1.50.			
Galax Leaves, \$1.00 to \$1.50 per 1000			

		Baltimore, Nov. 4.	
		Per 100	
Am. Beauty.....		\$12.00 to \$15.00	
Shorts.....		4.00 to 8.00	
Bride and Bridesmaid.....		3.00 to 5.00	
Golden Gate.....		3.00 to 5.00	
Kaiserin.....		3.00 to 4.00	
Liberty.....		3.00 to 4.00	
Meteor.....		3.00 to 5.00	
Perle.....		3.00 to 4.00	
Cochet.....		2.00 to 4.00	
Carnations, Commons.....		1.00 to 1.25	
Selects.....		1.25 to 1.75	
Adiantum Cuneatum.....		.75 to 1.00	
Asparagus plumosus, Sprays.....		1.75 to 2.00	
" Sprengeri, Sprays.....		1.75 to 2.00	
Callas.....		6.00 to 8.00	
Chrysanthemums, ordinary.....		5.00 to 5.00	
" fancy.....		18.00 to 20.00	
Lily of the Valley.....		3.00 to 4.00	
Smilax.....		15.00 to 20.00	

Trade is fairly active, with flowers in good request and in ample supply, except carnations, which are scarce. 'Mums are plentiful but hardly as good, generally, as last year. The weather is magnificent.

YOUR classified advs. are certainly very productive of results. —WM. BIERSTADT & SON, Springfield, Ill.

THE REVIEW does the selling but it seems strange that this time most of the orders have come from the east and south. —JOSEPH HEINL, Jacksonville, Ill.

WE have found our advs. in the Classified department of the FLORIST'S REVIEW the best investment we can make. We are completely sold out of stock. —RAY H. PALMER, Randolph, N. Y.

WE like your paper very much. —HOTT-MEISTER FLORAL Co., Cincinnati.

IN OUR classified advs. you can find everything you want all the time.

Lily of the Valley

H. N. BRUNS,

1409 W. Madison St., CHICAGO.

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E. H. HUNT

THE "OLD RELIABLE" FOR

Wholesale Cut Flowers

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

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Bassett & Washburn

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Greenhouses at Hinsdale, Ill.

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A. L. RANDALL,

Wholesale Florist

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Write for special quotations on large orders.

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J. A. BUDLONG

37-39 Randolph Street CHICAGO.

Roses and Carnations WHOLESALE CUT FLOWERS

A Specialty..... GROWER of

WIETOR BROS.

Wholesale Cut Flowers

All telegraph and telephone orders given prompt attention.

51 Wabash Avenue, CHICAGO.

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FLORAL COMPANY,

58-60 Wabash Ave., CHICAGO.

Wholesale Growers of Cut Flowers.

Regular standing orders solicited.

Every facility for prompt shipment.

JOHN MUNO,

WHOLESALE Cut Flowers,

GROWER OF

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Telephone Central 3598.

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Wholesale Growers and Shippers of CUT FLOWERS

58-60 WABASH AVE., CHICAGO, ILL.

With the Flower Growers' Co. Telephone—Central 3067.

All telephone and telegraph orders given prompt attention.

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FRANK GARLAND,

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Special attention given to Hardy Cut FERNs.

55-57 Wabash Avenue, CHICAGO, ILL.

Telephone Central 3284.

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WHOLESALE GROWERS AND SHIPPERS OF

59 WABASH AVE. CUT FLOWERS CHICAGO

Poehlmann Bros.

Wholesale Growers of and Dealers in Cut Flowers.

All telegraph and telephone orders given prompt attention. Greenhouses: Morton Grove, Ill.

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Lily of the Valley

of good quality always on hand.

AUGUST JURGENS,

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BENTHEY & CO.

35 Randolph Street, CHICAGO.

F. F. BENTHEY, Manager. Wholesale and Consignments Solicited. Commission FLORISTS

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MICHIGAN CUT FLOWER EXCHANGE.

WHOLESALE FLORISTS AND CUT FLOWER COMMISSION.

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Full line of FLORISTS' SUPPLIES and SUNDRIES.

All CUT FLOWERS in season. Send for Weekly Price List.

1,000,000 FANCY FERNS, \$1.00 per 1000. 200,000 Bronze GALAX, \$1.00 per 1000 in 5000 lots; \$9.00 per case of 10,000.

26 Miami Ave., Detroit, Mich.

Wholesale Cut Flower Prices.

Detroit, Nov. 4.

	Per 100
Beauties, Specials.....	\$25.00
Extra.....	20.00
No. 1.....	15.00
Shorts.....	5.00 to 10.00
Brides and Maids, Specials.....	6.00
Extra.....	5.00
No. 1.....	4.00
No. 2.....	3.00
Ousin.....	3.00 to 6.00
Golden Gate.....	4.00 to 6.00
Kaiserin.....	4.00 to 8.00
Meteor.....	4.00 to 6.00
Perle.....	4.00 to 6.00
Cattleyas.....	50.00
Cypripediums.....	25.00
Carnations, Common.....	1.00
Selects.....	2.00
Fancies.....	2.00 to 3.00
Adiantum Cuneatum.....	1.00
Asparagus plumosus, Strings.....	40.00 to 60.00
Sprengerl, Sprays.....	2.00 to 6.00
Callas.....	12.50
Chrysanthemums, ordinary.....	4.00 to 8.00
fancy.....	10.00 to 25.00
Lilium Harrisii.....	12.50 to 15.00
Lily of the Valley.....	4.00 to 5.00
Smilax.....	12.50 to 15.00
Violets, ordinary.....	.50 to .75
Galax.....	.15
Common Ferns.....	.10

Cincinnati, Nov. 4.

	Per 100
Beauties, Specials.....	\$35.00
Extra.....	20.00 to 25.00
No. 1.....	10.00 to 15.00
Shorts.....	6.00 to 8.00
Brides and Maids, Extra.....	6.00
No. 1.....	4.00 to 5.00
No. 2.....	2.00 to 3.00
Ousin.....	2.00 to 6.00
Golden Gates.....	2.00 to 6.00
Kaiserin.....	2.00 to 6.00
Liberty.....	2.00 to 8.00
Meteor.....	2.00 to 6.00
Perle.....	2.00 to 6.00
Sunrise.....	2.00 to 6.00
Carnations, Commons.....	1.00
Selects.....	2.00 to 2.50
Fancies.....	3.00 to 4.00
Adiantum Cuneatum.....	.50 to 1.00
Asparagus plumosus, strings.....	35.00 to 50.00
sprays.....	4.00 to 5.00
Sprengerl.....	2.00 to 3.00
Callas.....	8.00 to 10.00
Chrysanthemums, ordinary.....	4.00 to 12.50
fancy.....	15.00 to 35.00
Lily of the Valley.....	3.00 to 4.00
Smilax.....	12.50 to 15.00
Violets, ordinary.....	.35 to .50
Extra.....	.75 to 1.00
Galax.....	.15
Leucothoe.....	.50
Common Ferns.....	.15

I WISH to state that I am well pleased with Scott's Manual, which I got last year. It is very helpful. No florist should be without one. JOHN L. MEYER, Devon, Pa.

ENCLOSED is a check for another dollar for subscription. The florist's best friend is his bank account; next comes the FLORISTS' REVIEW. It is a pleasure and a profit to sit down in the shade on a summer day or in one's warm office in winter and read what our brother florists over the whole country are doing.—C. W. EIFLER, Altoona, Pa.

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.

Manufacturers of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

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WHOLESALE
FLORIST,
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ST. LOUIS, MO.

Wm. Murphy,

Grower and Commission
Dealer in.....

Cut Flowers and Florists' Supplies,

Telephone Main 980.

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Consignments solicited. Special attention given to shipping orders.

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For plants, bulbs or cut blooms. Address

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Dahlia Specialist. ATCO, N. J.

Galax 75c a 1000

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our own men
in Banners Elk, N. C.
....CASH....

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Seed....
Florists'... **Catalogues**

87-91 Plymouth Place, Chicago.

Mention the Review when you write.

Wholesale Cut Flower Prices.

St. Louis, Nov. 4.

	Per dozen
Beauties, Specials.....	\$2.50 to \$3.00
Extra.....	1.50 to 2.00
No. 1.....	.75 to 1.00
Shorts.....	.50 to .60
Brides and Maids, Specials.....	4.00 to 5.00
Extra.....	3.00 to 4.00
No. 1.....	1.50 to 2.00
Carnot.....	5.00 to 6.00
Golden Gate.....	3.00 to 4.00
Kaiserin.....	4.00 to 5.00
Liberty.....	3.00 to 4.00
Meteor.....	3.00 to 4.00
Perle.....	3.00 to 4.00
Sunrise.....	3.00 to 4.00
Carnations, Commons.....	1.00 to 1.50
Fancies.....	2.00 to 2.50
Adiantum Cuneatum.....	1.00 to 1.25
Adiantum Parleyense.....	1.00 to 1.25
Asparagus plumosus, Strings.....	35.00 to 50.00
sprays.....	1.00 to 1.50
Sprengerl.....	1.00 to 1.50
Callas.....	12.50 to 15.00
Chrysanthemums, Ordinary.....	4.00 to 6.00
Fancy.....	12.50 to 25.00
Lily of the Valley.....	3.00 to 5.00
Smilax.....	12.50 to 15.00
Violets, ordinary.....	.25 to .35
extra.....	.40 to .50
Galax.....	.15
Common Ferns.....	.15

We feel that we could not get along without the REVIEW, as it gives us valuable information we need every day in our business.—ADGATE & SON, Warren, Ohio.

THERE is no paper that comes to me which is read with more real interest and benefit than your excellent publication, and I trust it may remain with us long, and continue to improve.—WM. M. LINDSAY, Birmingham, Ala.

Two years ago we wrote you to discontinue the REVIEW until such time as McKinley's prosperity should strike the south, and as it has reached our corner now, we hasten to renew our subscription to your valued paper.—A. A. PANTET & Co., Fort Smith, Ark.

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Send for my Floral Album, size 12x11, containing 24 different funeral designs. Sent to any part of the country by express, \$7.00 c. o. d.

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ADRIAN, MICH.

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FRANK M. ELLIS, WHOLESALE FLORIST, ST. LOUIS, MO.

1316 PINE STREET,

LONG DISTANCE TELEPHONE MAIN 2018 M.

THE FINEST OF EVERYTHING IN SEASON. PLENTY OF...SELECT VALLEY and AMERICAN BEAUTIES

Write us when in need of CHOICE STOCK.

A complete line of FLORISTS' SUPPLIES.

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Telegraphic orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.
Cable Address: **ALEXCONNELL.** Telephone Calls: 340 and 341 38th Street.
WESTERN UNION CODE.

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WILL BE FILLED BY

P. J. HAUSWIRTH,
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Auditorium Annex. Telephone Harrison 385.

M.A. Bowe

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IN THE HEART OF

New York City

TEL. 2270 38TH ST.

OUR MOTTO—"THE GOLDEN RULE."

David Clarke's Sons

2139-2141 Broadway,
Tel. 192 Riverside,

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Out-of-town orders for delivery in New York carefully and promptly filled at reasonable prices.

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M. WEILAND,

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Suburb of Chicago.

Out-of-town orders of all kinds given careful and prompt attention.
Long distance phone, Evanston 56.

THE NORTHWEST.

State Nursery Company

HELENA, Mont.

Shibeley The Florist,

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Slevers & Boland.

25-27 Post Street, San Francisco, Cal.

Siebrecht & Son,

409 5th Ave.

New York City,

Fill all orders for Florists
at current prices less the
usual discount. : : :

58TH CONGRESS.

Extra Session, Nov. 8.

Execute your orders through

BLACKISTONE

Cor. 14th and H Sts.,
WASHINGTON, D. C.

ALBANY and NEW YORK

or any place between

SALTFORD

at **POUGHKEEPSIE**

Will take care of your orders. New York deliveries by our own messengers every day. We grow all our own flowers. Phone, wire or write us.

A. WIEGAND & SONS,

FLORISTS.

1810 to 1820 N. Illinois St., Indianapolis, Ind.

A. GUDE & BRO.

1224 F Street, Northwest,

Washington, - D. C.

The J. M. Gasser Company,

EUCLID AVENUE, CLEVELAND, OHIO.

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Century Flower Shop,

112 South 12th Street.

H. H. BATTLES, Proprietor.

FRED C. WEBER,

FLORIST,

4326-28 Olive Street, St. Louis, Mo.

ESTABLISHED 1873.

Long Distance Phone Lindell 196 M.

The Park Floral Co.

J. A. VALENTINE, Pres. DENVER, Colo.

Orders for Chicago and Vicinity

WILL BE FILLED BY

A. LANGE,

Telephone Central 2522. 51 Monroe St., CHICAGO.

Orders for MINNESOTA or the North-west will be properly executed by

AUG. S. SWANSON

ST. PAUL or MINNEAPOLIS.

WILLIAM L. ROCK,

FLORIST,

1116 Walnut St., Kansas City, Mo.

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PORTLAND, ORE.

You buy ribbons here, the ribbons which are the **RIGHT RIBBONS** for florists to use, and you save more—you make more.

You save all between profits because you buy direct from the mill. You make more, for you get perfect ribbons, perfect colors, and the same grades always.

Buying from supply houses and jobbers your ribbons will vary, will be different weaves, and colors will not always be the same. Has not this been your experience? Try our way.

The Pine Tree Silk Mills Company Philadelphia

We shou'd like you to write for samples.

All widths, all colors.

MONARCH—Satin Taffeta—**CLIMAX**.

CONQUEROR—Metallique Taffeta—**CYCLONE**.

OFFICE AND SALESROOMS

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Mention the Review when you write.

RETAIL FLORISTS.

(CONTINUED.)

John Breitmeyer's Sons,

Cor. MIAMI and GRATIOT AVES.
DETROIT, MICH.

WM. SCOTT,

Main and Balcom Sts.

Buffalo, N. Y.

**L. I. NEFF, Florist, 218 6th St.
PITTSBURG, PA.**

Personal attention given to out-of-town orders for delivery in Pittsburg and vicinity.

J. J. Beneke,

1220 Olive Street, ST. LOUIS, MO.

Mrs. Chas. Eickholt,

2319 AVENUE M, Galveston, Tex.

U. J. VIRGIN,

838 Canal Street, NEW ORLEANS, LA.

S. B. Stewart,

119 No. 16th Street, OMAHA, NEB.

My stock is all sold, and all through the REVIEW. I received many orders that I could not fill and had to return the money. I shall be better prepared next season and as soon as I have anything ready for sale you will hear from me.
—ALBERT HAKE, Manchester, Pa.

CINCINNATI

The Market.

We are experiencing what might be called Indian summer, and flowers are again showing that soft growth which is the cause of so much complaint. Business continues very good. The coming month will see several weddings which will call for the best quality of blooms obtainable.

There are not nearly enough 'mums to take care of the trade at present, and consequently good prices rule. The best Col. Appleton bring as high as \$4 per dozen, that being the top price for 'mums so far this season. Bonnaillon is just coming in. Pink is scarce and fancy white are not plentiful. So far this season chrysanthemums have been doing remarkably well. I do not believe that as many 'mums are being grown this season as usual.

Carnations are again scarce. It is impossible to come anywhere near filling orders. With roses it is just the opposite. There is a very large supply, especially of Maids, and they can be bought at almost your own figures. They are short-stemmed stock. The extras usually find buyers without trouble. Red roses are not overly plentiful. Cincinnati is now better supplied with roses than at any time in its history.

Various Notes.

Several florists of this city are going to run over to Indianapolis to see the show next week. Judging from all reports this will be a great one this year.

Everything is ready for the chrysanthemum show of the Cincinnati Florists' Society, and a good exhibition is looked forward to. If you have not received a schedule you can get one by addressing Geo. Murphy.

A visit to J. A. Peterson's establishment found some very promising stock. His 'mums are very good, most of them being the latest varieties. Silver Wedding will be fine, and the Golden Wedding will be extra large flowers. Some Col. Appleton will be ready to cut in a

few days. Carnations were a little backward, but in fine health, and will shortly be in with some very good blooms. Estelle was looking especially well with a large crop of long-stemmed blooms in sight. In roses Mr. Peterson grows Bride, Maid, Gate and Ivory. His Gates are especially fine, and Brides are in good crop. Of course Mr. Peterson's specialty, Begonia Gloire de Lorraine, is to be seen in the finest kind of shape, and they are everywhere. Two large houses filled with larger plants will soon be in great shape. Already they are a mass of bloom. Adiantum Farleyense is also grown here in fine form and a house of this fern was a lovely sight. A large number of pandanuses of all sizes were also seen, besides cyclamen, dracaenas and other plants grown for the retail trade.
C. J. OHMER.

LIGNITE IN BRIQUETTES.

Apropos of Edward Reid's recent remarks before the Florists' Club of Philadelphia, lignite has been used by the settlers on the treeless plains for years, and of late a number of railroad locomotives have been built especially to burn it. With the ordinary locomotives lignite produces too many sparks, but this difficulty has been overcome since proper grates have been constructed for using it. Another objection to lignite has been that by reason of rapid consumption it required extra work in stoking and had a tendency to clog the flues. All this has been obviated by the briquetting process which has been in use for some time in Germany.

Though a process has recently been perfected whereby it will not be necessary to introduce an outside substance as a "binder," the older ordinary form of briquetting is still in general use. The lignite is reduced to a powder, mixed with some other combustible and then pressed into briquettes. Sometimes the combustible is straw, but in any event, because lignite is exceedingly damp and has a tendency to slake on exposure to the air and contains so much sulphur, it has been found desirable to mix it with some more slowly-burning substance and then press it by powerful machinery to expel the moisture and check the tendency to slake. This has been accomplished with such success that in the northwest, at least, briquetted lignite will be acceptable for heating and steaming.

The system of mining lignite is novel, but with recent improvements this coal can be mined for about 40 cents a ton; by the time it is briquetted it costs a little more. This lignite in its crude state has been largely used on the western prairies for years. Experimenters in the briquetting process claim there is no doubt but that this coal in its finished state is likely in large part to take the place of the eastern product.

CATALOGUES RECEIVED.

M. Herb, Naples, Italy, seed novelties; F. C. Heinemann, Erfurt, Germany seeds; Perry, Winchmore Hill, London, England, hardy plants; Philadelphia Lawn Mower Co., Philadelphia, lawn mowers.

I THINK it only right and just to encourage you in your work of editing the best florists' paper in America, by saying that if I could only afford one paper it would be the REVIEW.—A. J. BOOTHMAN, Adams, Mass.

CLASSIFIED PLANT ADVERTISEMENTS.

Rates for advertisements under this head, 10 cents a line net, per insertion. New advs. and changes must reach us by Wednesday morning at latest to secure proper classification in issue of Thursday.

ABUTILONS.

Abutilons in variety, 40c doz., \$2.00 100.
R. Vincent, Jr. & Son, White Marsh, Md.

ACALYPHAS.

Acalypha Macafeana, 40c doz., \$2.50 100.
R. Vincent, Jr. & Son, White Marsh, Md.

ADIANTUM.

ADIANTUM CUNEATUM. A fine lot of heavy 4-inch pot plants, \$1.25 per doz.; \$10.00 per 100.
HENRY A. DREER, Philadelphia, Pa.

AGERATUMS.

Ageratums Stella Gurney and White, 40c doz., \$2.00 100.
R. Vincent, Jr. & Son, White Marsh, Md.

ALTERNANTHERAS.

Brilliantissima, the new alternanthera. The finest of all the varieties. Just what you want if you want the best. \$6 per 100; \$50 per 1000.
A. J. Baldwin, Newark, Ohio.

Alternantheras, 7 varieties, \$2.00 100, \$17.50 1000. R. Vincent, Jr. & Son, White Marsh, Md.

ALYSSUM.

Giant double sweet alyssum, strong rooted cuttings, \$1.00 per 100; 2-in. pots, \$2.00 per 100.
J. A. Keeney, Monongahela, Pa.

Alyssum, double, 3-in., \$2.50 100. Cash.
Converse Greenhouses, Webster, Mass.

AMPELOPSIS.

Ampelopsis Veitchii, 1 to 3 ft., 2-yr., field, transplanted, strong, \$4.00 per 100, \$35.00 per 1000. Honeysuckle, Hall's Japan and Golden, layers, 1 to 2 ft., \$3.50 per 100, \$25.00 per 1000. Cash with order. Walter H. Harrison, 1726 Lindenwood St., Philadelphia, Pa.

Ampelopsis Veitchii, open ground, strictly first-class, 3 years old, twice transplanted, \$7.00 per 100. Sample of ten by mail, prepaid, \$1.00. Cash with order.
E. Ferrand & Son, 379 Vinewood Ave., Detroit, Mich.

100,000 Ampelopsis Veitchii, 1, 2 and 3 years old. Prices on application.
McColgan Bros., Red Bank, N. J.

Ampelopsis Veitchii, 2-yr., 10c; 2nd, size, 5c. Cash.
W. H. Salter, Rochester, N. Y.

ANEMONES.

Anemone Japonica, 10,000 Alba, \$5.00 100; \$45.00 1000. 10,000 Rubra, \$5.00 100; \$45.00 1000. 10,000 Whirlwind, \$5.00 100; \$45.00 1000. 8,000 Queen Charlotte, \$6.00 100; \$50.00 1000. Other perennials, phlox, achillea, iris, monarda, Hemerocallis flava, Clematis paniculata, etc. Write for prices on what you want.
Geo. J. Keller, Rochester, N. Y.

ARAUCARIAS.

ARAUCARIA EXCELSA. Perfect, well-shaped stock.

In. pots.	In. high.	Tiers.	Each.
4	10 to 12	3	\$0.50
6	14 to 16	3 to 4	.75
6	16 to 18	4 to 5	1.00
6	18 to 20	4 to 5	1.25
7	22 to 24	4 to 5	1.50

HENRY A. DREER, Philadelphia, Pa.

Spring importation of Araucaria excelsa, our specialty.

In. pots.	In. high.	Tiers.	Each.
5 1/2	13-16	3-4	\$0.60
5 1/2-6	15-17 very broad		.75

Fall importation of Araucaria excelsa, 8 to 12 inches high, 3 tiers, 50c each.
Godfrey Aschmann, 1012 Ontario St., Phila.

Araucaria excelsa, 2-in. pots, 2 tiers, \$18.00 100. A. imbricata, 2 1/2-in. pots, strong plants, \$10.00 100.

F. LUDEMANN, 3041 Baker St., San Francisco, Cal.

Araucaria excelsa compacta and glauca in all sizes. A postal for price list.
F. H. KRAMER, Washington, D. C.

Araucarias, 2 1/2 ft. to 3 ft., in good condition, cheap. Write
Theo. E. Edwards, Bridgeton, N. J.

ARBOR-VITÆ.

American arbor-vitæ, fine stock, twice transplanted, 3 1/2 to 4 ft., \$15.00 per 100; \$120.00 per 1000. Packing charged at cost.
E. Ferrand & Son, 379 Vinewood Ave., Detroit, Mich.

ARDISIAS.

Ardisias with berries, in 4-in., \$3.50 per doz.
H. Steinmetz, Raleigh, N. C.

ASPARAGUS.

Asparagus plumosus, fine strong plants, from 5-in. and 5 1/2-in. pots, \$15.00 per 100; 200 for \$25.00. 50 Sprengerl, 4-in. for \$3.00. Cash with order.

George Darsley, 176 Claremont Ave., Jersey City, N. J.

Plumosus nanus, 2 1/2-in. pots, \$3.50 per 100. Sprengerl, 2 1/2-in., ready for 3 1/2-in., \$2.00 per 100; \$17.50 per 1000.
JACKSON & PERKINS Co., Newark, New York.

Asparagus plumosus, strong 2 1/2-in., \$3.00 100, \$25.00 1,000; Asparagus Sprengerl, \$2.00 100, \$15.00 1000. Cash.
G. M. Naumann, Doan St., Cleveland, O.

Asparagus plumosus nanus, 3-in., \$6.00 per 100; \$50.00 per 1000. A. Sprengerl, 2 1/2-in., \$18.00 per 1000.
Carl Hagenburger, W. Mentor, Ohio.

Asparagus Sprengerl, 2-in., \$1.50 per 100, \$12.00 per 1000. Well grown stock; satisfaction guaranteed.
C. Winterich, Defiance, Ohio.

Asparagus Sprengerl, strong plants, 2 1/2-in., \$3.00; 3-in., \$4.00; 4-in., \$8.00; 5-in., \$15.00; 6-in., \$25.00 100. J. H. Bornhoeft, Tipton, Ind.

Asparagus plumosus, 2-in., \$5.00; 2 1/2-in., \$8.00. Sprengerl, 2-in., \$3.50; 3-in., \$5.00; 4-in., \$10.00 100. Geo. A. Kuhl, Pekin, Ill.

Asparagus Sprengerl, Strong 2-in., 2c. Cash. See our Boston fern and primula advs. for bargains.
Byer Bros., Chambersburg, Pa.

Asparagus plumosus, 3-inch pots, \$7.00 per 100. Asparagus Sprengerl, 8-inch pots, 50c each.
P. Wagner, Troy Avenue, Flatbush, N. Y.

Asparagus comorensis, extra strong select stock, 3-in., \$10.00 100; 3 1/2-in., \$12.00 100.
F. Dorner & Sons Co., La Fayette, Ind.

Asparagus plumosus, Strong 4-in., stock, ready for 5-in., \$10.00 per 100. Cash with order.
F. A. Imobersteg, Toledo, Ohio.

Asparagus Sprengerl, from flats, \$1.00 100, \$6.00 1000; 2 1/2-in., \$1.50 100, \$12.50 1000.
S. Whitton, 15 Gray Ave., Utica, N. Y.

ASPARAGUS PLUMOSUS NANUS.

Cut strings, 50 cents each.

W. H. ELLIOTT, BRIGHTON, MASS.

Asparagus plumosus, strong plants, 3-in., \$5.00 per 100; 3 1/2-in., \$8.00 per 100.

Maurice J. Brinton, Christiana, Pa.

Asparagus plumosus nanus, 2 1/2-in., fine, \$4.00 100; 4-in. stock at \$8.00 100.

The McGregor Bros. Co., Springfield, O.

Asparagus plumosus, 2 1/2-in., \$3.50 100, \$30.00 1000; 3-in., \$7.00 100, \$65.00 1000.

S. S. Pennock, 1612 Ludlow St., Philadelphia.

Asparagus plumosus, 3-in., 6c; 4-in., 12 1/2c; 6-in., fine, large plants, 25c.

Crown Point Floral Co., Crown Point, Ind.

Asparagus plumosus nanus and Sprengerl, fine plants, 2 1/2-in., \$3.00 100.

Wm. Stuppe, Westbury Station, L. I., N. Y.

Asparagus Sprengerl, 2 1/2-in., \$2.00 100. Plumosus, \$2.50 100. Cash.

Asparagus plumosus, 4-in. pots, \$12.50 per 100. Cash with order.

H. H. BARROWS & SON, Whitman, Mass.

Asparagus Sprengerl, Feb. sown seed, 2-in. pots, \$2.00 100. Cash.

John Brod, Niles Center, Ill.

Plumosus nanus, 3-in., \$8.00 100. Sprengerl, 2 1/2-in., \$3.00 100.

L. H. Foster, Dorchester, Mass.

Asparagus Sprengerl, 400 fine 4-inch plants, \$6.00 per 100.

Kennicott Bros. Co., 44 Randolph St., Chicago.

Asparagus Sprengerl, 2-in., \$2.00 per 100; \$18.00 1000. Dean Ferria, Peekskill, N. Y.

Asparagus Sprengerl, \$2.00 per 100. Fine plants.

Wm. Keir, Pikesville, Md.

Asparagus plumosus, 2 1/2-in., \$3.50 per 100; \$30.00 per 1000. A. Schmitt, Glenville, O.

Asparagus Sprengerl, 4-in., \$6.00; 3-in., \$3.00 100.

C. Whitton, City St., Utica, N. Y.

Asparagus Sprengerl, fine 3-inch stock, \$4.00 100.

National Plant Co., Dayton, O.

Asparagus Sprengerl, 350 in 3 1/2-in., \$4.00 per 100.

Gellon & Wolf, Downers Grove, Ill.

Asparagus Sprengerl, strong 3-in., \$4.00 100.

T. G. Yale, Wellington, O.

Asparagus Sprengerl, 2 1/2-inch, \$3.00 per 100.

Storrs & Harrison Co., Painesville, O.

Asparagus plumosus, 4-in., \$8.00 per 100.

JAMES C. MURRAY, Peoria, Ill.

Asparagus Sprengerl, 2-in., \$1.20 100.

E. I. Rawlings, Quakertown, Pa.

Asparagus plumosus, all sizes.

A. S. MACBEAN, Lakewood, N. J.

AZALEAS.

Azalea indica, for Xmas forcing. Deutsche Perle, dbl. white, Simon Mardner, dbl. pink. Vervaeana, rose variegated, for Easter forcing. Mme. Vander Cruysen, Paul Weber, Niobe, Bernard Andre alba, Imperatrice des Indes and about 12 more good sorts. Price from 40c, 50c, 60c, 75c to \$1.00 each.
Godfrey Aschmann, 1012 Ontario St., Phila.

AZALEAS FOR FORCING. All the standard American varieties, in bushy, well-budded plants.

	Doz.	100.
10 to 12-inch crowns	\$4.50	\$35.00
12 to 14-inch crowns	6.00	45.00
14 to 16-inch crowns	7.50	55.00

HENRY A. DREER, Philadelphia, Pa.

Azalea Indica, shipments arriving in fine condition. We are offering only best American market varieties; no cheap assorted "case lots."

10 to 12-inch crowns	\$35.00 per 100
12 to 14-inch crowns	45.00 per 100
14 to 16-inch crowns	55.00 per 100

Storrs & Harrison Co., Painesville, O.

HARDY AZALEA MOLLIS for forcing early. A fine lot of very bushy plants, 15 inches high, covered with flower buds, \$4.50 per doz.; \$35.00 per 100. For early forcing this type of azalea is becoming more popular every season.
HENRY A. DREER, Philadelphia, Pa.

Azalea indica. We have just received a large consignment of the leading varieties for early and late forcing. Write us for list of varieties and prices.
Ozone Park Nurseries, Ozone Park, L. I., N. Y.

BAY TREES.

Bay Trees. Have just received a fine lot of standards and pyramids.
F. W. O. Schmits, Prince Bay, N. Y.

Among our specialties, bay trees, boxwood, palms, evergreens, etc.
BOBBINK & ATKINS, Rutherford, N. J.

BEGONIAS.

Rex begonias, a number of the best varieties, 2-in., \$4.00 100. Begonia aurea manicata, 2-in., \$4.00 100.
N. O. CASWELL, Delavan, Ill.

Rex begonias, 2 1/2 and 3-in., 8c. Double semperflorens, Triumph de Lorraine, strong, 2 1/2-in., 2 1/2c. H. Ernst & Son, Washington, Mo.

Begonia rubra, fine plants from 2 1/2-in. pots, ready for shifting, \$3.00 100.

The McGregor Bros. Co., Springfield, O.

Gloire de Lorraine begonias, strong, healthy plants, 2-in. pots, \$12.00 100.

Isaac H. Moss, Govanstown, Md.

Begonia rubra and other good varieties, mixed, 2 1/2-in., \$2.50 per 100.

Iola Greenhouses, Iola, Kan.

Begonia de Lorraine, 2 1/2-in., \$15.00 100; \$140.00 1000. Julius Roehrs, Rutherford, N. J.

Mammoth begonias, in flower, 4-in., \$8.00 100.

S. Whitton, 15 Gray Ave., Utica, N. Y.

BERRIED PLANTS.

Jerusalem cherries, field-grown, well set with berries, for 5-in. pots, \$15.00 per 100.

A. Schmitt, Glenville, O.

Solanum or Jerusalem cherries, 5 to 5 1/2-in. pots, strong, full of berries, \$2.00 doz.

Godfrey Aschmann, 1012 Ontario St., Phila.

Jerusalem cherries, dwarf, well-berried; 6-in. \$2.25 doz. Cash.

Converse Greenhouses, Webster, Mass.

Celestial peppers, 5-in., \$1.50 doz., \$12.00 100.

Oechsli Bros., 1888 W. Madison St., Chicago

Jerusalem cherries, from 2 1/2-in., \$2.25 10.

National Plant Co., Dayton, O.

BOW WOOD.

BOW-WOOD. A pretty lot of bushy plant about 12 inches high, just right for use in winter window boxes, \$3.00 per doz.; \$20.00 per 100.

HENRY A. DREER, Philadelphia, Pa.

BOX WOOD.

Among our specialties, boxwood, bay tree, palms, evergreens, etc.

BOBBINK & ATKINS, Rutherford, N. J.

PLEASE MENTION THE REVIEW WHEN WRITING ANY OF THESE ADVERTISERS.

CYCLAMEN—Continued.

Cyclamen giganteum, from select seed, my own growing; thrifty plants, the leading colors, from 2½, 3 and 3½-in. pots, at 4c, 6c and 8c. Cash. W. J. Engle, R. D. 8, Dayton, O.

Cyclamen, per. giganteum; large flowered, 3-in., \$5.00 100; 4-in., \$10.00 100. S. Whitton, 15 Gray Ave., Utica, N. Y.

DAHLIAS.

DAHLIAS FOR EASTER FORCING. Send for cultural leaflet on the forcing of dahlias for Easter (supplied free on application) and consider if it will not pay you to follow one of your chrysanthemum houses when finished cutting with dahlias. We offer especially prepared roots of the following varieties: Storm King, A. D. Livoni and Camellia alba, \$1.00 per doz., \$8.00 per 100; Twentieth Century, \$2.00 per doz., \$15.00 per 100.

HENRY A. DREER, Philadelphia, Pa.

Dahlias. Surplus of field clumps at \$3.00 per 100, cash, of the following varieties: A. D. Livoni, Nympha Electric, C. W. Bruton, Prince Charming, Guinea Hen.

A. Relyea & Son, Poughkeepsie, N. Y.

Dahlias. A. D. Livoni, pink; Mrs. Thatcher, yellow; Marguerite Bruant, white; and 12 other good cut flower sorts, strong field plants, \$5.00 per 100. Geo. J. Koller, Rochester, N. Y.

Dahlias. 25 leading varieties, all under name, guaranteed true. Heavy field clumps, just as dug, \$5.00 100, \$45.00 1000.

DINGEE & CONARD CO., West Grove, Pa.

DAHLIAS. For plants, bulbs or cut blooms, write W. P. PEACOCK, Atco, N. J.

50,000 field clumps named. Send for list. Benj. Connell, West Grove, Pa.

DAISIES.

Double red and white daisies, cutting grown, guaranteed all double; transplanted, in bud, \$1.00 per 100.

A. Wenisch, Williamsbridge, New York City.

Snowball daisies, Giant and Longfellow, \$2.50 1000. Cash. Byer Bros., Chambersburg, Pa.

DRACÆNAS.

Dracaena indivisa, 4-inch pots, 10 cents. Dracaena australis, 5-inch pots, 12 cents, fine strong plants, pot grown.

E. Holley, Hudson, N. Y.

Dracaena indivisa, field-grown, to fill 4-in. and 5-in. pots, \$7.00 per 100. Cash, please.

Wm. N. Blackmon & Son, Centre St., Trenton, N. J.

Dracaena lineata, new, strong plants, 50c each. D. Bruanti, 25 in. up, 6-in. pots, 50c; doz., \$5.00.

Godfrey Aschmann, 1012 Ontario St., Phila.

Dracaena indivisa, strong, from open ground, ready for 5 and 6-in. pots, 20 to 24 inches high, \$15.00 per 100. E. F. Rose, Taunton, Mass.

1500 Dracaena indivisa, strong field-grown plants, \$10.00 per 100.

W. & T. Cass, Geneva, N. Y.

Dracaena canes. Fresh terminalls canes, 20c a foot.

Wm. Elliott & Sons, 54 Dey St., N. Y.

Dracaena indivisa seedlings, \$5.00 1000. Wm. Stuppe, Westbury Station, L. I., N. Y.

FERNS.

CIBOTIUM SCHIEDII. The belle of horticulture. The hardest and most valuable tree fern in cultivation.

5-in. pots.....\$1.25 each, \$14.00 doz.
7-in. pots.....3.00 each, 35.00 doz.
8-in. pots.....4.00 each, 46.00 doz.

For large specimens, prices on application.

FERNS FOR DISHES. From 2½-in. pots, first-class stock, \$3.00 per 100; \$25.00 per 1000; 5000 for \$100.00. 3-in. pots, \$6.00 100, \$55.00 1000. 4-in. pots, \$12.00 100, \$110.00 1000.

ADIANTUM CUNEATUM, very bushy, 4-in. pots, \$12.00 100; \$110.00 1000; 500 at 1000 rate.

FERN SPORES, of all good commercial varieties gathered from our own stock, 35c per trade pkt.; 12 pkts., \$4.00.

ANDERSON & CHRISTENSEN,

Telephone Call 29-1. Short Hills, N. J.

FERNS IN FLATS. We can still supply, of good quality, flats containing about 200 each of the following varieties: Aspidium tsussimense, Lastrea aristata variegata, Nephrolepis cordata compacta, Pteris critica albo-lineata, Pteris adiantoides, Pteris serrulata, Pteris serrulata cristata, Pteris magnifica at \$2.00 per flat. Not less than 200 of a variety will be furnished.

HENRY A. DREER, Philadelphia, Pa.

BOSTON FERNS. Extra good stock. 2-in., \$3.00 per 100, \$25.00 per 1000. 2½-in., \$5.00 per 100, \$40.00 per 1000. 6-in., \$5.00 per doz., \$35.00 per 100. 7-in., \$7.20 per doz., \$50.00 per 100. 10-in., \$1.50 each.

HAMILTON FLORAL CO., 1180 N. Hamilton Ave., Chicago.

Boston ferns, 2½-in., \$5.00 100; 3-in., \$10.00; 4-in., \$15.00; 5-in., \$25.00; 6-in., \$40.00; 7-in., \$60.00; 8-in., \$1.00 to \$1.50 each; 10-in., \$2.00 to \$2.50. Piersoni ferns, 2½-in., 25c each; 3-in., 50c ea.; 4-in., 75c; 5-in., \$1.00; 6-in., \$1.50; 7-in., \$2.50; 8-in., \$3.00.

GEO. A. KUHL, Pekin, Ill.

Boston ferns. Let us quote you prices on extra strong stock, cut from bench, fit for 6 and 7-in. pots. Also while they last strong rooted runners from bench at \$25.00 per 100. Anna Foster from 2½-in. pots, \$5.00 per 100.

BEARD BROS., 1248 West Fort St., Detroit, Mich.

Alsophila australis, specimen plants in 6-in. pots at \$1.00 each. Lomaria gibba, 6-in. pots, 25c each; the above are a snap. Mixed ferns for ferneries at \$3.00 per 100. Get our snap prices for Piersoni ferns for spring delivery. Terms cash. F. H. KRAMER, Washington, D. C.

100,000 small ferns for fern dishes. Best commercial var. in 2½-in. pots, \$3.00 100; \$25.00 1000. Nephrolepis Piersoni, strong plants, 2½-in., \$3.00 doz., \$22.00 100. Anna Foster, strong plants, 2½-in., 75c doz., \$6.00 100. Cash. Oechslein Bros., 1688 W. Madison St., Chicago.

Boston ferns, 6-in. pots, very strong, 25 to 30 fronds to a plant, from 25 in. up, 50c, worth 75c. Ferns for fern dishes, finest var., 2½-in. pots, \$4.00 100, worth \$5.00.

Godfrey Aschmann, 1012 Ontario St., Phila.

Piersoni ferns by the 1000 at dead easy prices for spring delivery. Get my confidential prices. Get my price list for palms and ferns before buying, free for the asking.

F. H. KRAMER, Washington, D. C.

BOSTON FERNS. I make a specialty of Nephrolepis Exaltata Bostoniensis, \$10.00, \$15.00, \$20.00 and \$25.00 per 100. Taken from bench; extra fine plants.

WM. A. BOCK, North Cambridge, Mass.

Boston ferns from bench, \$25.00 per 100; 2½-in., \$4.00 per 100. Piersoni from bench, \$20.00 per 100. Small ferns for dishes, \$25.00 per 1000.

Carl Hagenburger, W. Mentor, Ohio.

500 Piersoni ferns from 3-in. pots, fine low plants, beautiful color, \$25.00 per 100. Less than 100, 30c each.

WILLIAM L. ROCK FLOWER CO., Kansas City, Mo.

The ANNA FOSTER fern, from bench, for 6-in., \$35.00 100. Pot plants, from 50 to \$5.00 each.

BOSTONS, large plants, cut from bench, \$50.00 100.

L. H. Foster, Dorchester, Mass.

Boston ferns. Strong, from bench for 5-in. pots, 10c. Some extra big value in plants for 7-in. pots, 20c. Cash. A bargain on primulas. See our adv. Byer Bros., Chambersburg, Pa.

100 Boston ferns from bench. Fine, strong plants from 5 to 7-in. pots, \$20.00 cash, if taken at once. Must have this room.

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Boston sword ferns. Strong, bushy plants from bench, ready for 7 and 8-inch pots, 50c each. Cash with order.

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Adiantum cuneatum, 2½-in., \$2.50 100. Assorted ferns for dishes, \$2.50 100. Boston ferns, 2½-in., \$4.00 100.

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Boston ferns, 2½-in., \$3.50 per 100; 3½-in., \$6.00 per 100; 4-in., \$8.00 per 100; 5-in., \$12.00 per 100. Fine stock.

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Bostons from benches, for 6 and 7-in., \$25.00 100. Will exchange for anything we can use. Write us.

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Boston ferns, 3, 4, 5, 6, 7 and 8 inch, at \$8.00, \$12.00, \$25.00, \$40.00, \$60.00, \$75.00 per 100. Cash, please. A. THORNHILL, Rosedale, Kan.

Boston ferns, 25c, 35c, 50c, 75c, \$1.00 to \$2.00 each. Piersoni Fern, from \$1.00 to \$2.00 each. P. Wagner, Troy Ave., Flatbush, N. Y.

Boston ferns, choice stock, well grown. Per 100: 150 3-in., \$8.00; 75 4-in., \$15.00; 75 5-in., \$30.00. Gellon & Wolf, Downers Grove, Ill.

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Boston ferns, all sizes. Fine Piersoni, in 2 in. pots.

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Boston ferns, all sizes.

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BUSINESS BRINGERS—

Review

Classified Advs.

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Fine, 2½-inch pots, \$2.50 100. Jean Vland, Mme. Bruant, L. Swartling, S. A. Nutt, Atlantis W. L. Gunn, Madonna, Mme. St. Pol, Bridoux, Columbia, Blanche Moulas, Rev. Atkinson, Mme. Chas. Molin, Dr. Blanche, Thos. Meehan, Bucharie's White, Tamative, Glorie Bondeau, Castellane, Ricard.

National Plant Co., Dayton, O.

Geranium rooted cuttings. Chantemarle, the new hydrangea-flowered geranium, agl., salmon, very fine; L. Francis, new dbl. salmon; Flancee, Champ de Niede, new dbl. whites, \$2.00 per 100. Kleber, La Fraicheur, Noizet, J. Vland, Bellerophon, \$1.25 per 100. Cash.

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Geranium cuttings, Nutt, Jean Vland, Mme. Beaulaire, \$1.50 per 100, \$12.50 per 1000. Le Soleil, Poltevine, Mme. Landry, Rieman, Countess de Castris and Perkins, \$1.75 per 100, \$15.00 per 1000. Money with order from unknown parties.

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Well rooted cuttings true to name. Jean Vland, S. A. Nutt, Mme. Buchner, \$1.25 per 100; \$10.00 per 1000. Le Soleil, Ricard, Poltevine, Mme. Landry, Perkins, Countess de Harcourt, \$1.50 per 100; \$12.00 per 1000.

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Rooted cuttings of the famous A. H. Trego geranium for \$3.50 per 100. This is by far the best scarlet geranium ever sent out. Every cutting guaranteed or money refunded. Strong, 2½-in. plants, \$5.00 per 100.

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Geraniums 100 1000
Double General Grant, best scarlet, \$1.25 \$10.00
S. A. Nutt, best crimson, 1.50 12.00
Poltevine, best salmon pink, 1.75 15.00
Cash only.

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PLANTS FOR TABLE USES.

A friend of mine once entered a competition at a large show for six table plants. His plants were all first-class, and he seemed certain of gaining the first prize, when, lo and behold, the judges disqualified his exhibit because he had included a fern—a pretty, well-balanced plant of *Pteris cretica albolineata* in the regulation 5-inch pot, says a writer in the *Gardening World*. After that one feels inclined to ask the question, "What is a table plant?" Well, I maintain that a table plant is a well-balanced plant in a pot of 5 inches or less in diameter, whether a foliage or flowering plant or fern.

We are all acquainted with the stereotyped half-dozen table plants of our shows, which invariably include an *Aralia Veitchii*, *Pandanus Veitchii*, two crotons, and generally two dracenas; they, however, are hard to beat as foliage plants. The first named is a light and graceful plant; the second, with green and white foliage, is an ideal table plant. Some of the dracenas are very useful, such as *Miss Glendinning*, *Mr. Freake*, *Salmonia*, *Aurantia* and *Goldiana*, which make nice, well-balanced plants. The croton, when well grown to bring out the exquisite coloring, cannot be surpassed as a table plant, the variety is so great and the coloring so rich and telling. Among the best, with narrow, graceful leaves, may be mentioned *Golden Ring* (a superb variety), *Golden Gem*, *Warrenii*, *Picturata*, *Aigburth Gem*, *Her Majesty*, *Mrs. Dorman*, *Mrs. McLeod*, *Weismannii* and *Hawkeri*.

A splendid table plant is *Panax Victoræ*, with green and white leaves, making a light and elegant plant. *Panax plumosa* is a green variety, and makes a well-balanced plant. *Evodia elegans* is another neat green-leaved plant; *Asparagus plumosus nanus*, *Chirita asparagoides*, *Maranta major*, *Maranta*

lutea, and *Cyperus alternifolius variegatus* are a few more suitable subjects from the stove. Many of the palms are useful in their early stage, the best being *Cocos Weddelliana* and *plumosa*, *Kentia Belmoreana* and *Forsteriana*, and some of the caryotas, especially *sobolifera*.

Some of the berry-bearing plants are very effective. Mention may be made of *Ardisia crenulata*, a scarlet-berried plant which retains its berries all the year around; *Solanum crispum*, a well-known plant, and *Calicarpa purpurea*, with long, slender branches laden with small purple berries in mid-winter. Among the hardier green-leaved plants that do well in a cool greenhouse may be mentioned *Aralia Sieboldii*, *Draena congesta*, *D. Haageana*, *D. rubra*, *D. australis*, *Carex japonica variegata*, *Eulalia japonica*, *Grevillea robusta* and *Abutilon Savitzii*, all making nice, evenly balanced plants. One objection to ferns in, say, 5-inch pots is that they are usually too dense for table work, though, of course, there are exceptions, and the varieties of the *Pteris cretica*, *Pteris tremula*, *Adiantum cuneatum*, *A. c. grandiceps* and *A. c. gracillimum* make good shapely plants, and would look well on a large table.

Where flowering plants are wanted, during the winter months for table work nothing can be better than the winter flowering begonias, which can be flowered in almost any size of pot. Some of the best are *Gloire de Lorraine*, the white variety, *Caledonia*, *Corallina* and *Ideala*, *Acalypha hispida*, *Gardenia radicans*, *Euphorbia jacquiniæflora*, *Poinsettia pulcherrima*, with its bright scarlet bracts, *ericas* in variety, *Aphelandra aurantiaca*, *Roezii*, with a flower spike much resembling a miniature *Lobelia cardinalis*, *Calanthe Veitchii*, *Clerodendron fallax*, and *nutans*, the white variety, and *Cattleya Bowringiana*.

For low-growing plants, for use in saucers, which are often very useful and

effective, some of the selaginellas are well adapted, such as *S. apoda*, *S. Kraussiana*, and *S. Kraussiana aurea*; *Nertera depressa*, a delightful little plant when covered with its scarlet berries, and *Panicum variegatum*, as small plants in thumb-pots, can be made into miniature groups on a large table. The most suitable subjects for the purpose are crotons, which will need to be kept plunged in boxes well up to the light tops of well-colored coleus, which root very quickly; *Asparagus plumosus* and *A. Sprengeri* seedlings, *Pteris serrulata* and *cretica*, *Adiantum cuneatum* seedlings, *Panax Victoræ*, dracenas in variety, and *Caladium argyrites* and *C. erubescens minus*. When calanthes are used they should be flanked with asparagus or *Adiantum cuneatum* to hide the bare stems, which combination produces a charming effect as a centerpiece in a silver bowl.

MEDIA, PA.—Jerome Harley, of Village View, is adding two new greenhouses to his plant.

CHARLESTON, ILL.—After two firms had failed in the flower business here, Miss Etta J. Nott started in eight years ago and has built up a very prosperous trade, producing part of her supplies under 3,500 feet of glass. She has been having an "opening" this week and entertained many visitors.

PHOENIX, ARIZONA.—There is no commercial glass in this locality. What few flowers are grown here are produced either outdoors or under lath. American Beauty and many other roses grow to perfection under these conditions, except for about two months, January and February, when we depend on Los Angeles. Ream Brothers say that nursery business only awaits a more uniform water supply, the building of the Tinto dam.

THE FLORISTS' MANUAL, BY WM. SCOTT.

Is a book of 224 large pages (same size as those of the *Florists' Review*) and contains about 200 articles on commercial plants and cultural operations, each giving "the meat" only, from the personal experience of a thoroughly practical man who is in daily touch with each department of the business, and who has that rare quality of being able to tell others **what they want to know**. The articles are arranged alphabetically, like those in an encyclopædia, and in an instant one can turn to the subject upon which light is desired at the moment. The book is illustrated by over 200 fine half-tone engravings. It is

A Complete Reference Book for Commercial Florists

and is a whole library on practical commercial floriculture in one volume. It is very handsomely and substantially bound in half leather, with specially designed title in gold. Following we print a few extracts from letters received from buyers of the book:

After reading Mr. Wm. Scott's Manual, we wish to say that we consider it without equal as a book of reference for busy florists.
GEORGE M. KELLOGG.
Pleasant Hill, Mo.

Mr. Scott's superb work, "The Florists' Manual," was indeed worth waiting for. When compared with the amount of practical information it contains, the selling price, \$5.00, seems a mere bagatelle.
H. WEBER & SONS.
Oakland, Md.

It is the best book of the kind ever published. There is more in it than in any other book I have ever seen. I am delighted with it.
JOHN THORPE.
Chicago.

No progressive florist, old or young, can afford to be without the *Florists' Manual*. The old florist needs it, for reference, to aid a defective memory, and the young florist wants it as a guide in this progressive era of the florists' business.
J. T. TEMPLE.
Davenport, Ia.

The *Florists' Manual* is worth five times the price. It is just what a busy florist wants.
Columbus, O. B. BUEHLER & SON.

Am well pleased with the Manual. It is a practical, everyday helper, concise and to the point.
W. A. KENNEDY.
Milwaukee, Wis.

Am very much pleased with the book; it is very handy for reference.
Macomb, Ill. F. E. BONHAM.

Unlike so many of our books, it has the very flavor and essence of actual experience.
Ithaca, N. Y. L. H. BAILEY.

We have gotten much valuable instruction from the *Florists' Manual* and prize it highly.
Franklin, Tenn. TRUETT BROS.

Am much pleased with the Manual. It is just what I have been looking for. Something that we can understand, and enjoy reading.
Etna, Pa. M. NAUMAN.

I greatly appreciate the *Florists' Manual*. It is a splendid text-book.

JOHN WELSH YOUNG.
Germantown, Pa.

The *Florists' Manual* is a gem. No florist can afford to be without it.
Madison, N. J. A. J. BAUR.

If everyone has enjoyed your book as I have it's a successful publication. It is different from our usual horticultural works, being plain and concise—just what one wants.
Flushing, N. Y. H. D. DARLINGTON.

The copy of the "Florists' Manual" was duly received. I am very well pleased with same. The more I read it the better satisfied I am with it, and there are one or two articles alone in it that are each worth all you ask for the book, for everything is made so plain and all details are right to the point. I trust you may have a good and ready sale for the same.
M. S. WORDEN.
North Adams, Mass.

Price \$5.00, Carriage Prepaid.

FLORISTS' PUBLISHING CO., Caxton Building, CHICAGO.



DREER'S GOLDEN PANDANUS

PANDANUS SANDERI

IF YOU have not yet secured a supply of this grand new Decorative Plant, not only the finest of all the Pandanuses, but the most important addition to our list of Foliage Plants in many years, you should do so at once. The plant is of strong rapid growth, making a finished plant in one-third less time than Veitchii; it is rich in color throughout the winter months, and being much hardier than Veitchii it can be recommended to your retail customer for house decoration.

We offer for immediate delivery:

Strong Plants, in	3-inch pots	each, \$	0.75
"	4-inch	"	1.00
"	6-inch	"	2.00
Beautiful Specimens, in	7-inch	"	3.50
"	8-inch	"	7.50
"	10-inch	"	10.00
"	12-inch	"	15.00
"	15-inch tubs	"	25.00

HENRY A. DREER, 714 Chestnut Street, Phila.

SAN FRANCISCO.

The Market.

Business has been very quiet during the past week. There has been a great scarcity of funeral work among the stores that generally have their hands full at this time of the year. There have been several weddings, but on the whole everything is flat in the stores. The weather has been so warm and bright that flowers are still very low in price. Carnations are good and very cheap. Portia, Scott, Joost and Crocker can be had in any quantity at from 15 to 20 cents per dozen wholesale. Lawson, Hill, Estelle, Prosperity, Crane, Triumph and other good sellers do not bring over 25 cents per dozen, and fancy stock can be had about three dozen for a dollar. Roses are fairly plentiful, and of good size and color, but the prices remain about the same as they have been for the last month. Chrysanthemums are a glut, and can be had for almost any price offered. This is outdoor-grown stock; the greenhouse flowers are considerably cheaper than they were last week. The best whites and yellows can be had at from 75 cents to \$1.50 per dozen and small flowers much cheaper. Violets have come down in price during the last week. They wholesale at 75 cents per dozen bunches. Owing to the continued warm weather they do not keep very well, but as soon as we have some rain they will make a much better appearance.

Notes.

Miss Montpelier, associated for several years with the Misses Worn, has started in business for herself as a decorator. She has formed a partnership with Miss Wallenberg, of Berkeley.

The chrysanthemum show at San Rafael during the past week was a very fine exhibit, and well attended. The cup for the finest white variety shown was awarded to Martin Miller. Paul Ackerman won both the second and third prizes.

Much interest is felt among the gardening fraternity regarding the Scottish bowling green at Golden Gate park. John McLaren, the superintendent, is an enthusiastic advocate of the sport, but luck was against him on Sunday last, and he met his defeat in the final game. His opponent, Wallace Cook, is also a

Kennicott Bros. Co.

WHOLESALE FLORISTS,

40, 42 and 44
Randolph Street, CHICAGO, ILL.

Current Price List.

	Per doz.		Per 100
Beauties, 30-36-in.	\$3.00 to \$4.00	Carnations, Common	\$1.00 to \$1.50
" 20-24-in.	2.50	" Fancy	2.00 to 2.50
" 15-18-in.	1.50 to 2.00	Mums, Small, per doz.	.60 to 1.00
Short Stemmed	.75 to 1.00	" Medium "	1.25 to 1.75
	Per 100	" Large "	2.00 to 2.50
Brides	\$3.00 to \$6.00	Callas . . per doz.	1.50
Maids	3.00 to 5.00	Violets . . per 100	.75 to 1.00
Gates	3.00 to 5.00	Valley . . "	3.00 to 4.00
Meteor	4.00 to 7.00	Asparagus Strings }	35.00 to 50.00
Perle	4.00 to 5.00	Asparagus Sprengeri }	1.50 to 2.50
Liberty	4.00 to 10.00	Smilax . . "	12.50 to 15.00
Roses — our selection, \$3.00 per 100; \$20.00 per 1000		Common Ferns, per 1000,	1.50
		Galax	1.25

400 4-inch Asparagus Sprengeri, \$6 per 100

Mention the Review when you write.

well known bowler. The score was McLaren, 14; Cook, 21.

The Misses Worn had several swell decorations on board the steamer Sierra during the past week. G.

PETOSKEY, MICH.

S. J. Long began in the florists' business here ten years ago. His friends tried to dissuade him, by saying a man would starve to death growing flowers up here, but he has steadily added to his plant each year. Mr. Long has now changed the name of his firm, and will

do business as The Northern Michigan Floral Co. He has five houses, the average length of which is seventy-five feet, and is erecting another rose house 18x100 and a show and fern house combined 24x32. He contemplates a new Furman No. 8 heater. There is not an inch of the plant that Mrs. Long does not understand, often taking full charge. She is a good maker-up, doing all the party, wedding and funeral work. The plant is said to be the largest north of Grand Rapids and both the local and shipping trade is steadily increasing.

NURSERY NEWS.

AMERICAN ASSOCIATION OF NURSEYMEN.

Pres., N. W. Hale, Knoxville, Tenn.; Vice-Pres. F. A. Weber, St. Louis; Sec'y, Geo. C. Seager, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-eighth annual convention will be held at Atlanta, Ga., June, 1904.

PROF. L. C. CORBETT, in American Gardening, endorses a recent recommendation of the ginkgo as a street tree.

THE Greening Bros. Nursery Co., at Monroe, Mich., has put in a switch from the Michigan Central. Last spring they shipped over a million peach trees.

D. J. MUNCY is proprietor of the Llano Estacado Nursery, about five miles from Floydada, Tex. He has about 200,000 apple, peach and plum ready for delivery this fall.

STURGEON BAY, WIS.—The season's output of evergreen trees for Christmas promises to be not so large as usual, with a strong demand, and the dealers are well supplied with orders.

THIS is the open season for nursery stock in Canada and quite a little stock has gone north, with still larger quantities to follow in the spring. Fumigation is required at the port of entry.

J. H. HALE, orchardist, nurseryman and president of the American Pomological Society, addressed the Rhode Island Horticultural Society at Providence, October 22, on "The New England Fruit Growers' Opportunity." He said there is in this country a market for twice the quantity of apples now produced and that the European market is right at the hand of the New Englander.

THE HILL PLANS.

The reports of the attempts of the E. G. Hill Company to acquire, by exchange or purchase, a tract of city property adjoining their own at Richmond, Ind., has given rise to many rumors as to the firm's intention which might well be set at rest. Fred H. Lemon, while in Chicago recently, stated that there is no truth in the report that the failure of the negotiations with the city may lead to their removal from Richmond. He says they have no such thought. Their proposition to the city was to exchange some property, held under option and adjoining one side of the city property, for a tract of unused city land adjoining the Hill property, a suitable sum of money being paid to equalize any difference in values. The deal seemed well on the way to consummation when a political division took place on the question in the council, and the newspapers, blocking the plan. Then it was that a Richmond newspaper made the unauthorized statement that if additional room for development could not be obtained, the greenhouses might be removed from Richmond.

Mr. Lemon states that the plan was to erect a large range of cut flower houses, the present plant not being large enough to afford scope for the talents of the several ambitious members of the firm. He says that the general plan has by no means been abandoned, the intention being to materially widen the lines on which they operate, but the failure to secure the desired land will probably delay expansion for a season or so.

The GLENWOOD NURSERIES

EVERGREENS.

The largest and most complete assortment of Specimens, sheared and of natural form. All roots pruned and carefully grown.

Evergreen Trees, Evergreen Shrubs and Vines for window boxes and Winter decorations.

DECIDUOUS TREES.

20,000 Oriental Plane Trees, 6 to 14 feet.

25,000 Oaks, in variety, 6 to 14 feet.

100,000 Maples, in variety, 8 to 18 feet.

Beech, Birch, Ash, Elms, Ginkgo Poplars and other leading varieties.

HEDGE PLANTS.

200,000 California Privet, 1 to 4 feet. The finest grown.

Osage Orange, Berberry, Thunbergii, Altheas, etc.

Special Quotations to large buyers. New Trade List now ready.

Descriptive Illustrated Catalogue on application.

THE WM. H. MOON CO., MORRISVILLE, PA.

60 miles from New York!

30 miles from Philadelphia.

Mention the Review when you write.

80,000 TWO-YEAR-OLD PRIVET

Well branched, will sell in row or block. Plants are very fine.

WANTED. 100 strong plants
G. H. CRANE CARNATIONS
and 1000 MARIE LOUISE VIOLETS.
Quote Price.

C. Ribsam & Son

TRENTON, N. J.

Mention the Review when you write.

PEONIES

FRAGRANS (Sometimes called Thurbecki).

\$6.00 per 100.

For 1000 rate or other varieties write

GILBERT H. WILD, - - Sarcoxie, Mo.

Mention the Review when you write.

The Hill Company has among its seedling roses one from Liberty, with the Liberty color and form, but with many more petals which they think is much the most promising subject they have ever raised. They have not yet tested its habit.

PHILADELPHIA, PA.—Godfrey Aschmann has returned from a two months' trip to the plant producing centers in Europe.

CANANDAIGUA, N. Y.—The chrysanthemum show of the Florists' and Gardeners' Association is on at the town hall this week. Robert H. McKerr is secretary.

LOUISVILLE, KY.—The fourteenth annual chrysanthemum show by the florists of Louisville will be held here November 11 to 14. Copies of the premium list will be forwarded promptly to those who request it of Henry Nanz or E. G. Reimers.

FLOWERING SHRUBS.

15,000 Hydrangea Paniculata Grandiflora, 1 to 4 feet.

5,000 Deutzias (Gracilis and Lemoinel) for forcing.

A complete assortment of shrubs of all sizes, including quantities of large shrubs for immediate effect plantings, as well as smaller grades.

Climbing Vines.

5,000 Ampelopsis Veitchii, 1 and 2 years.

20,000 Hall's Japan Honeysuckle.

20,000 Clematis Paniculata.

English and Irish Ivies, Wistarias and other vines.

Crimson Rambler, Wichuriana and other climbing and running roses.

Special Quotations to large buyers. New Trade List now ready.

Descriptive Illustrated Catalogue on application.

THE WM. H. MOON CO., MORRISVILLE, PA.

60 miles from New York!

30 miles from Philadelphia.

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McCOLGAN BROS. Red Bank, N. J.

Successors to JAMES McCOLGAN & CO.

Offer to the trade a large stock of

California Privet

IN SEVERAL GRADES.

100,000 Ampelopsis Veitchii,
1, 2 AND 3 YEARS.

PRICES ON APPLICATION.

Mention Review when you write

Peterson Nursery,

164 La Salle St., CHICAGO.

PEONIES

And HARDY ORNAMENTAL STOCK.

Write for illustrated price list.

Mention the Review when you write

W. & T. SMITH COMPANY, GENEVA, N. Y.

Wholesale Growers of **O** RNAMENTAL TREES, Shrubs, Roses, Clematis, Fruit Trees and Small Fruits in great variety

Send for our Wholesale Price List.

Mention the Review when you write.

MANETTI ROSE STOCKS

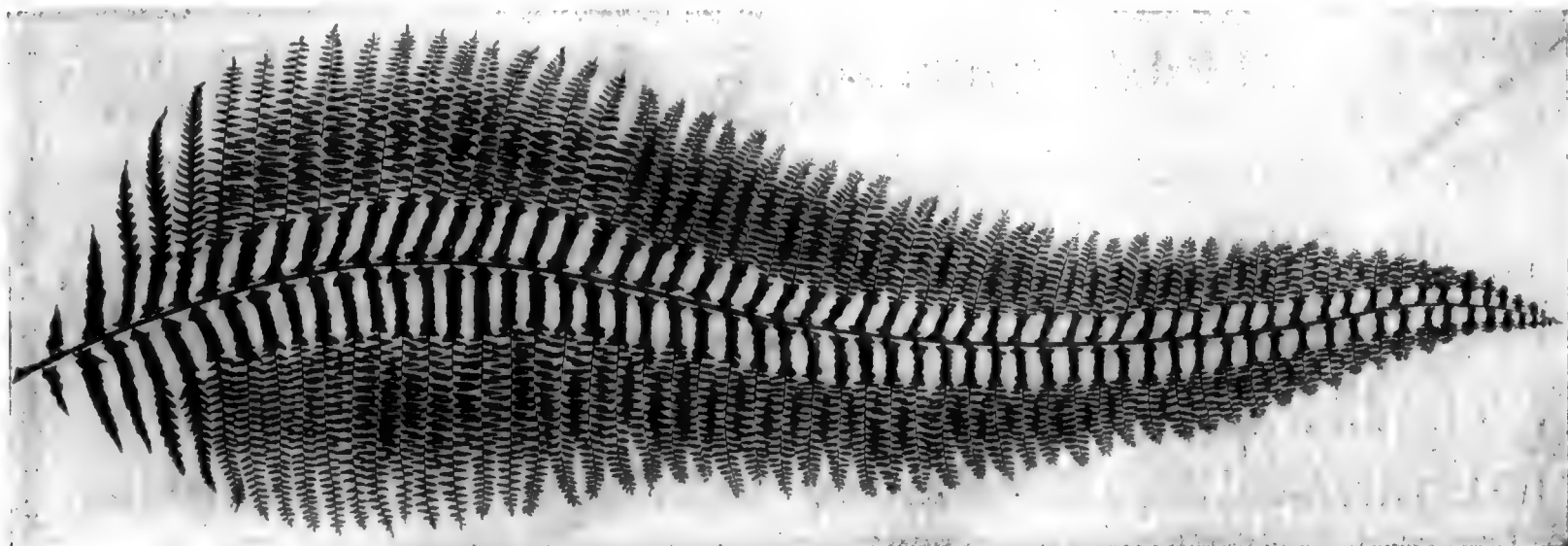
WRITE TO-DAY.

THOMAS MEEHAN & SONS

DRESHERTOWN, PA.

Mention the Review when you write.

You will find **ALL** the **BEST** offers **ALL** the time
IN THE Review's Classified Advs.



The Anna Foster Fern.

LARGE STOCK. BEAUTIFUL PLANTS. VERY LOW PRICES.

Cut from bench for 6-inch, \$35.00 per 100. In pots, 5-inch, \$4.00; 6-inch, \$9.00; 7-inch, \$15.00; 8-inch, \$24.00 9-inch \$36.00 per doz.; 10-inch, \$4.00; 12-inch, \$5.00 each. Very full, long fronds.

Boston Ferns Very fine, full plants, long fronds, or short, bushy, as desired. Cut from bench, \$50.00 per 100.

Asparagus Plumosus Nanus 3-inch, \$8.00; **SPRENGERI**, 3-inch, \$5.00 per 100. Very fine, just right for pans.

KENTIA PALMS AND FICUS.

L. H. FOSTER, 45 King St., Dorchester, Mass.

Mention the Review when you write.

Cyclamen gigan.—Large flowering, 3-in., ready for 4-in., \$5.00 per 100; 4-in., \$10.00 per 100.

Asparagus Sprengeri—From flats, \$1.00 per 100; \$6.00 per 1000. 2½-inch, \$1.50 per 100; \$12.50 per 1000.

Primroses, Chinese and Obconica. 2½-inch, 2.00 per 100; 300 for \$5.00; 8-inch, \$3.00 per 100; 4-inch, \$6.00 per 100.

Cinerarias—2½-inch, \$2.00 per 100.

SAMUEL WHITTON, 15-17 Gray Ave., UTICA, N. Y.

Mention the Review when you write.

CLEVELAND.

The Market.

We have been having ideal summer weather for the past week, and outdoor flowers are still in evidence to such an extent that the florists have not had the usual demand for stock. Most of the chrysanthemum growers are sending in fine stock, but the prices realized are not up to last year, and the demand from a retailer's view is not as good as in past years.

All of the down-town stores were decorated on Saturday with farm produce, corn stalks, pumpkins and fruits, and were very attractive.

The rose and carnation growers are all impatiently waiting for the chrysanthemum season to pass, as that stock is hard to move.

J. M. Gasser Co. has been reglazing their conservatory in the rear of the Euclid avenue store. E.

We enclose a dollar for another year of the REVIEW. Your paper we consider the best paper, for both the experienced and inexperienced, of any of the florists' papers; we could not think of doing business without.—W. J. MILLER & SON, Pontiac, Ill.

DAHLIAS

25 leading varieties, all under name, guaranteed true, including the best sorts in cultivation, such as Clifford W. Broton, A. D. Livoni, Nymphaea, Lemon Giant, Fern Leaf Beauty, Snow Glad, White Swan, Frank Smith, etc.

We offer **HEAVY FIELD CLUMPS**, JUST AS DUG, \$5 00 per hundred; \$45.00 per thousand.

THE DINGEE & CONARD CO.
WEST GROVE, PA.

Mention the Review when you write.

BOSTON AND PIERSONI FERNS

	Per 100	In.	Each
2½-in. Bostons....	\$ 5.00	2½ Pierioni Ferns, \$0.25	
3-in.	10.00	" " .50	
4-in.	15.00	" " .75	
5-in.	25.00	" " 1.00	
" n.	40.00	" " 1.50	
6-in.	60.00	" " 2.50	
	Each	8 extra specimen.	3.00
8-in.	\$1.00 to 1.50		
10-in.	2.00 to 2.50		

Best value for your money in the West.

GEO. A. KUHL, Pek n , I.

Mention the Review when you write.

The Florists' Manual



Is a book that you need in your business.

If you haven't a copy already, order one now.

Mention the Review when you write.

Primroses..

	Per 100
Chinese, single, mixed, 2½-inch pots.....	\$1.50
Obconica, alba and rosea, 2½-inch pots....	1.50
Asparagus Sprengeri, 2½-inch pots.....	2.00
" Plumosus.....	2.50
P. W. Narcissus, bulbs.....	1.00
Pansy Plants, \$3.00 per 1000.....	.50

CASH.

JOS. H. CUNNINGHAM

DELAWARE, OHIO.

Mention the Review when you write.

Commercial Violet Culture.

BY B. T. GALLOWAY.

This is the Second Edition of this very successful book, revised and brought up to date.

Fully illustrated and handsomely printed.

Sent postpaid on receipt of \$1.50.

FLORISTS' PUBLISHING CO.

520 Caxton Building, Chicago.
334 Dearborn St.,

Mention the Review when you write.

GALAX 50 cents a 1000

LEUCOTHOE SPRAYS \$2.00 a 1000

Cash with order.

Liberal discount on large orders.

C. L. HOWE, - Banners Elk, N. C.

Mention the Review when you write.

CHRISTMAS BELLS.

Last week we called your attention to NEW AND RARE BOHEMIAN VASES. Many florists are profiting by our suggestion.

This week we want to tell you about our CHRISTMAS BELLS. They are not the common, ordinary bells, but a superior article, combining the best material with perfect workmanship. They will do you credit anywhere. We have them in five sizes and advise you to order now and have them ready for next month. You will make no mistake by doing this.

H. BAYERSDORFER & CO.,

The Largest Florists' Supply House in America. 50, 52, 54 and 56 North Fourth St., Philadelphia.

Mention the Review when you write.

ROCKFORD, ILL.

The exhibit of chrysanthemums at the Buckbee greenhouse this afternoon, says the Star of October 31, will give the people of Rockford an opportunity to see one of the finest exhibits of these flowers in the United States. The exhibition is free and this afternoon from 1 to 5 o'clock the greenhouse will be open for all who wish to look at the assortment of blooms before the selections are made for the exhibit for the New York show.

The Buckbee 'mums last year pretty nearly swept the deck at the big shows and this year there is a better assortment than ever. Nearly a carload will be sent to New York and among them will be some new varieties that promise well. One is called the Rockford and was hybridized here. It scored 89 points at the recent show in Chicago. It is a handsome yellow, incurved bloom. Another new variety is the Mrs. H. W. Buckbee that scored 91 points at the same show. It is a white bloom of great beauty.

The Buckbees have another new one, a yellow blossom, which has not yet been named and which looks like a winner. It will be shown for the first time at the New York show.

The Buckbee 'mums will be shown at the exhibits at Fort Smith, Ark., and Joliet November 5 and at New York and Indianapolis November 9. Viewed by the experience of last season there should be a large winning of premiums on the blooms from the Forest City.

CANTON, O.

During the past summer Charles Brown has built 35,000 feet of glass, having it stocked with carnations, roses and a few miscellaneous plants; 20,000 carnation plants are housed and healthy. Charles Lindacher has returned from a trip to Germany and is now busy putting his greenhouses in shape for winter. Business was very good here last week. More carnations are sold in Canton than any other flower. Scott, Hill, Lawson Prosperity and Roosevelt are the popular sorts. C. B.

NEW ORLEANS, LA.—Ernest St. Armand & Son had a big crop of chrysanthemums ready for All Saints' day. They grew nearly 50,000 flowers this year, protecting each bloom in a tissue bag. There is a big sale for All Saints' day, but after that the demand for chrysanthemums falls off.

CHRYSANTHEMUM STOCK PLANTS.

Ready for immediate shipment—White Fitzwygram, Yellow Fitzwygram, Opah, Willowbrook, Omega, Monrovia, Lady Harriet, Halliday, R. H. Pearson, Vivland-Morel, Robinson, Col. Appleton, Timothy Eaton, Fee du Champsaur, at \$8.00 per 100.

Yellow Eaton and Marie Liger, \$10.00 per 100.

Glory Pacific, Polly Rose, Ivory, Dalskov and Parr, at \$5.00 per 100.

ROSE PLANTS.

200 4-inch American Beauties.....\$10.00 per 100
300 4-inch Meteors..... 7.00 per 100
50 4-inch Bridesmaids..... 7.00 per 100
200 2½-inch Balduins..... 4.00 per 100

Boston Ferns—7-inch; \$1.00 each; 8-inch, \$1.25 each; 9-inch, \$1.50 each. OASH OR C. O. D.

W. J. & M. S. VESEY, Ft. Wayne, Ind.

Mention the Review when you write.

500,000 Verbenas

60 FINEST VARIETIES.

Perfectly Healthy. Free from Rust.

Rooted Cuttings, 60c per 100; \$5.00 per 1000
Plants \$2.50 per 100; \$20.00 per 1000.

Our list is the choice of millions of seedlings.

SEND FOR CIRCULAR.

J. L. DILLON, Bloomsburg, Pa.

Mention the Review when you write.

We want you to know

that we have a bargain for you better than gold mine stock.

Smilax—2-in., 75c per 100.

Asparagus Sprengeri—2-in., \$1.20 per 100.

E. I. RAWLINGS, Quakertown, Pa.

Mention the Review when you write.

Pelargoniums

ROOTED CUTTINGS.

15 varieties, all named, \$2.25 per 100, prepaid.
Cash with order. Write—

S. D. BRANT, - CLAY CENTER, KAN.

Mention the Review when you write.

ROSES. CARNATIONS.

Very strong 3-inch Brides, fine stock to follow Mums, \$1.00 per 100; \$35.00 per 1000. Stock sure to please. Joost Scott, Triumph Carnations, field, \$5.00 per 100 for strong stock. 4-inch Hot Water Pipe \$10.00 per 100 feet.

W. H. GULLETT & SONS, - Lincoln, Ill.

Mention the Review when you write.

NOTICE.

THE ROSE is, and will continue to be, the leading flower. Very many are grown and cultivated for our Northern market, but few that will stand our rigorous climate. I have been watching the Rose and have had a great deal of experience with it for many years. My object now is to get up a company, at as light expense as possible, and grow all the leading varieties that are perfectly hardy. The price will be a great object as well as good stock. The place where I will locate will be where we can grow No 1 stock the first year; that is, in one year. There will be no potting, no firing, no coal to pay for. The cuttings will be grown outdoors. We shall also grow Gardenias in bush form like the imported Azaleas. The fragrance of the Gardenia will put all other flowers in the shade, to a certain extent. The Camellia is a nice bushy plant and ought to be in every collection. NOW, my plan is, to form a stock company of members of the craft each to subscribe so much for the first year. All parties wishing to take up shares will get full particulars by applying to

CHARLES LONG,

277 Jefferson Ave., Rochester, N. Y.

Mention the Review when you write.

ROOTED CARNATIONS NOW READY

	100	1000
Queen Louise, white.....	\$1.20	\$11.00
Flora Hill, white.....	1.20	11.00
Bon Homme Richard, white.....	1.20	10.00
Mrs. Thos. Lawson, pink.....	1.40	12.50
Ethel Crocker, pink.....	1.20	11.00
Morning Glory, pink.....	1.20	11.00
Cressbrook, pink.....	2.50	20.00
Mermaid, pink.....	1.00	10.00
Mrs. Higginbotham, pink.....	1.40	14.00
G. H. Crane, scarlet.....	1.40	12.50
Mrs. Potter Palmer, scarlet.....	1.50	14.00
Estelle, scarlet.....	1.00	14.00
Eldorado, yellow.....	1.20	11.00
Gold Nugget, yellow.....	1.01	10.00
Prosperity, variegated.....	1.40	12.50
Mrs. Bratt, variegated.....	1.00	10.00

Cash with order, express paid.

THE KNOLL NURSERIES, PENRYN, CAL.

Mention the Review when you write.

New Carnation..... LOUISE NAUMANN

DON'T MISS to send your orders in for February delivery. \$1.25 per doz; \$8.00 per hundred; \$70.00 per thousand.

G. M. NAUMANN,

Doan Street, CLEVELAND, OHIO.

Mention the Review when you write.

EXTRA FINE CINERARIAS

2½, 3 and 4-inch.

PRIMULA OBCONICA—2½ and 3-in. PLUMOSUS and SPRENGERI—2, 3 and 4-in. 10,000 Sprengeri at special prices. Write:

GEO. A. KUHL, Pekin, Ill.

Mention the Review when you write.

PANSY plants, giant mixed, per 100, 40c; per 1000, \$2.00. Rex Begonia, 2½ and 3-in., 3c. Begonia Double Semperflorens, Triumph de Lorraine, strong 2½-in., 2½c. Primula Chinensis, 2½-in., 2c. Obconica, 2½-in., strong 1½c. Cinerarias, 2½-in., \$2.00 per 100.

HENRY ERNST & SON, Washington, Mo.

We are all sold out of the stock advertised in your paper. We certainly get good results from our advs. in the REVIEW.—Livingston Seed Co., Columbus, Ohio.

The REVIEW does the selling and this time most orders have come from the east and south.—Joseph Heint, Jacksonville, Ill.

I am very well pleased with the returns from my advertisements in the Weekly Florists' REVIEW.—A. N. Pierson, Cromwell, Conn.

We have more orders than we can fill. The REVIEW is the best paper to advertise in.—Bentzen Floral Co., St. Louis, Mo.

**Thanksgiving
Number
Nov. 12,
1903.**

I am very pleased
with the advertise-
ment. : : : :

93%

of the orders re-
ceived

**MENTION
THE
REVIEW.**

**ANT. C. ZVOLANEK,
GRAND VIEW, N. J.**

**Please Mail
Advertising
"Copy"
Now.**

The REVIEW is a wonder-worker in these two respects, that it reaches everybody, and it influences them to buy. It has brought me orders from the Atlantic seaboard and all through to the western states; and everyone says, "Saw it in the REVIEW," as if that in itself were a guarantee.—Alfred B. Everett, Chicago.

Your paper is O. K.; sold plants very quickly.—C. B. Flick, Fort Wayne, Ind.

All plants sold; the REVIEW does the business.—Kring Bros., Fairbury, Ill.

What we have done for these advertisers we can do for you.

THE CYPRESS MARKET.

The cypress market may be said to be weak. Although no price concessions are offered on the best grade of lumber, a reduction of \$1.50 to \$2 per thousand feet is made on the second grade, which is not suitable for greenhouse use, and there are plenty of salesmen out looking for orders on the best air-dried clear stock, something which has not been known for years. Several southern mills, which have heretofore been supposed to sell through the trust, are opening offices in Chicago, and everything indicates an anxiety for orders, which will certainly head off the rise in price which has been an annual event for the past few seasons, if it does not bring about an actual reduction. However, cheaper cypress will not mean a perceptible reduction on small greenhouses, for the builders have not in the last two or three years raised their prices in the same ratio that material and labor has advanced.

FRENCH "CHRYSANTHEMISTES."

The Chrysanthemum Society of France will hold its eighth congress at Lille, November 6 to 8. The society has 723 members and among the distinguished persons whose names appear on the list is "M. Elmer D. Smith, nurseryman, Adrian, Mich." There is a list of essays on both practical and purely scientific topics, and provision is made on the program for visiting the establishments of several near-by growers. Of course there will be a large exhibition at the same time. The floral committee judged several new sorts on October 13, most notable of which was Calvat's Amateur Conseil, which scored 90 points. It is an incurved Japanese, rose with bronze reverse, and most strikingly effective. The secretary of the society is M. Philippe Rivoire, 16 Rue d'Algerie, Lyon.

If YOUR stock and prices are right you can find a purchaser through the columns of the REVIEW.

THE AMERICAN CARNATION

HOW TO GROW IT.
FULLY ILLUSTRATED.

By C. W. WARD.

A PRACTICAL work on Carnation growing: complete in every particular, including the full calendar of operations for the year, with chapters on Soils, Fertilizers, Insects, Diseases, Heating. Each and every phase of commercial Carnation culture treated clearly and comprehensively. The book contains 290 large pages, finely printed. It should be in the hands of every grower.

Sent carriage paid on receipt of \$3.50.

Florists' Publishing Company,
Caxton Bldg., Chicago.

ARAUCARIA EXCELSA

2-inch pots, two tiers, \$16.00 per 100.

Araucaria Imbricata

2½-inch pots, strong plants, \$10 per 100.

F. LUDEMANN,

3041 Baker St., SAN FRANCISCO, CAL.
Mention The Review when you write.

Fine New White Carnation for 1904.

"Moonlight"

\$10.00 per hundred; \$75.00 per thousand

JOHN HARTJE,

3129 North Illinois Street, INDIANAPOLIS, IND.

Mention Review when you write.

STRONGLY ROOTED CARNATIONS -- Now Ready.

NOVELTIES of 1903

	100	1000
Harlowarden, crimson.....	\$5.00	\$45.00
Marshall Field, red and white variegated.	5.00	45.00
Lillian Pond, white.....	6.00	55.00
Enchantress, light pink.....	6.00	55.00
President McKinley, pink.....	6.00	55.00
Success, pink.....	5.00	45.00
Adonis, rich scarlet.....	7.00	65.00
Mrs. Theodore Roosevelt, pink.....	6.00	55.00

INTRODUCTIONS, 1902

	100	1000
Cressbrook, light pink.....	\$2.50	\$20.00
Gov. Wolcott, white.....	3.40	30.00
Alba, white.....	3.40	30.00
J. H. Manley, scarlet.....	3.50	30.00
Apollo, brilliant scarlet.....	3.50	30.00
Gaiety, white striped scarlet.....	3.00	25.00
Stella, variegated white.....	3.00	25.00
Viola Allen, white.....	3.00	25.00

STANDARD VARIETIES

	100	1000
Norway, white.....	\$1.20	\$11.00
Prosperity, white overlaid with pink..	1.40	12.50
Estelle, scarlet.....	1.50	14.00
Mrs. Thos. Lawson, pink.....	1.40	12.50
Gov. Roosevelt crimson.....	1.20	11.00
G. H. Crane, scarlet.....	1.40	12.50
Flora Hill, white.....	1.20	11.00
Mermaid, salmon pink.....	1.20	11.00
Eldorado, white.....	1.20	11.00
Queen Louise, white.....	1.20	11.00
Chicot, white.....	1.20	11.00
Armazindy, variegated.....	1.20	11.00
Palmer, scarlet.....	1.50	14.00
America, scarlet.....	1.20	11.00

25 at 100 rate.

250 at 1000 rate.

CASH WITH ORDER.

The above prices are what the plants will cost you delivered.
We pay express charges and guarantee satisfaction.

LOOMIS FLORAL CO., LOOMIS, CAL.

Mention Review when you write.

Chrysanthemums!

Stock plants, early varieties, now ready.
Write for varieties and prices.

H. WEBER & SONS,
OAKLAND, MD.

Mention the Review when you write.

WE MUST HAVE ROOM.

Double Alyssum 3-in., \$2.50 per 100. Hydrangeas, field-grown, 8 to 12 flowering shoots, \$15.00 per 100. Jerusalem Cherries, dwarf, bushy, well berried, 6-in. pots, \$2.25 per doz. 500 Wm. Scott Carnation Plants, from field, make me an offer for the lot; or \$3.50 per 100. Boston Ferns, very bushy, 5 in. pots, \$2.50 per doz.; 6-in., \$4.00 per doz. English Ivy, field-grown, \$4.00 per 100. Violets, field-grown, large plants, California \$1.00; Campbell \$3.00 per 100. Cash please.

Converse Greenhouses, Webster, Mass.

Mention the Review when you write.

A CHOICE LOT OF Boston Ferns

In 5 and 6-inch pots, 25c each

Wagner Park Conservatories,
SIDNEY, OHIO.

Mention the Review when you write.

SMILAX

5000 extra strong Smilax plants, 2-inch, at.....\$1.00 per 100
Asparagus Sprengerii—From February sown seed, 2-inch pots..... 2.00 "
1000 Norway Carnation Plants, to close out..... 3.50 "

JOHN BROD, - - Niles Center, Ill.
Mention the Review when you write.

Field-Grown

Carnation ...Plants

Per 100 Per 1000

12,000 Joost, \$3.00 \$25 00

15,000 Marquis 3.00 25.00

Fine strong, healthy plants.

GEO. REINBERG,

51 Wabash Avenue, CHICAGO.

STOCK MUMS, \$3.00 per 100.

Delivered as soon as flowers are cut.

Willowbrook, Halliday, Shaw, Ivory, Pink Ivory, Mrs. Robinson, Sunderbruch, Bloodgood, Pres. Smith, Appleton, Goldmine, Golden Wedding, Bonnafton, Modesto, Timothy Eaton, Niveus, Indiana, Rieman, Dailedouze, Lavender Queen, Murdock, Violescent.

J. LOUIS LOOSÉ, - Washington, D. C.

Mention the Review when you write.

You Will Find...

ALL the BEST offers
ALL the time in the
REVIEW'S
CLASSIFIED ADVS.

Bouquet Green.

A WISCONSIN PRODUCT.

Place your orders
with us and you will
not be disappointed.

HOLLY.

Best that the market
affords.

C. C. POLLWORTH CO.

MILWAUKEE, WIS.

Mention the Review when you write.

Clematis, Hardy Shrubs ROSES, Etc.

Buy now and get first choice of stock. Prices will be higher and stock not so select in the spring. If not planted now these hardy plants keep well trenched in the open ground, and will be ready in spring when wanted.

Clematis--Finest large-flowered sorts, purple, white, lavender, red, etc. 2-year 18c, 1-year 9c.

Clematis Paniculata--Extra fine, 10c, 2-year 6c, second size 4c.

Ampelopsis Vetchil--2-year, fine, 10c, second size 5c.

American Ivy--2-year, fine, 8c.

Iris Japanese--8c.

Roses--Assorted H. P. varieties--Coquette des Alps, Jules Margottin, Gen'l Jacqueminot, etc. Also Crimson and Yellow Rambler, Queen of Prairie, and the newer trailing roses. 2-year, first size 12c, second size 7c.

Clothilde Soupert--Finest pot rose grown. 2-year 10c, second size 7c.

Crimson Rambler--XXX selected long canes for forcing. 20c.

Hydrangea Pan. Grand--Finest hardy shrub; bushy plants. 10c; fine tree-shaped specimens, very handsome, 25c.

Golden Glow--Most popular perennial, 5c.

Hardy Phlox--Choicest varieties 10c.

Peonies--In fine assortment, 12c. Deutzias, including Lemolnei and Gracilis, Altheas, Weigelas, Honeysuckles, Spireas, Japan Quince, etc. Best sorts and sizes 10c. Also California Privet, Fruit and Ornamental Trees, etc. Careful attention to large or small orders, with expert packing, which is free, and light as consistent with safety. Cash, please.

W. H. SALTER, Rochester, N. Y.

Mention The Review when you write.

Kentia Belmoreana!

Pots.	Leaves.	Height.	Per 100	Per 1000
2 1/2-in.	4 to 5	18 to 20 in.	\$10.00	\$85.00
3-in.	4 to 6	20 to 24 in.	15.00	115.00
4-in.			20.00	160.00

Asparagus Plumosus.

2 1/2-in. pots	\$3.50 per 100	\$30.00 per 1000
3-in. pots	7.00	65.00

Rooted Carnation Cuttings.

Lillian Pond	\$5.00 per 100	\$40.00 per 1000
Enchantress	6.00	50.00

Delivery November 1st.

The Queen	\$5.00 per 100	\$40.00 per 1000
Lawson	3.00	25.00
Prosperity	3.00	25.00

Delivery December 1st.

SAMUEL S. PENNOCK,

1612 Ludlow St., Philadelphia.

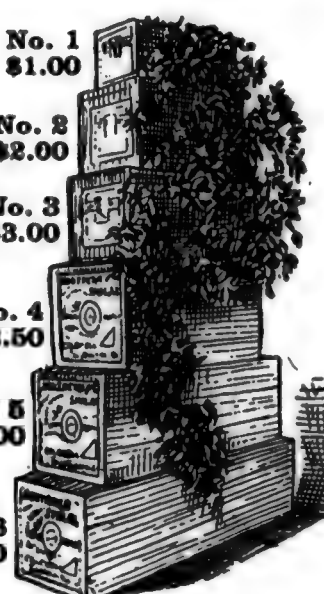
Mention the Review when you write.

ORCHIDS.

We offer a fine lot of Cattleya Dowiana in sheath and bud. Importations expected of Dendrobium nobile, D. densiflorum, Cypripedium insigne, C. hirsutissimum, Cattleya gigas and C. trianae.

Lager & Hurrell, Growers and Importers... Summit, N. J.

Mention the Review when you write.



No. 1 \$1.00
No. 2 \$2.00
No. 3 \$3.00
No. 4 \$3.50
No. 5 \$4.00
No. 6 \$4.50

Caldwell's Quality Brands
Southern WILD SMILAX.

Terms--Cash with orders from unknown correspondents.

And we will do it again! What?

WHY--FILL ALL OF YOUR ORDERS AT ALL TIMES

So will our Agents:

J. B. DEAMUD,
Chicago, Ill.

LEO NIESSEN,
Philadelphia.

J. M. McCULLOUGH'S SONS,
Cincinnati, Ohio.

W. F. KASTING,
Buffalo, N. Y.

H. G. BERNING,
St. Louis, Mo.

A full supply always on hand at these points and prices same as ours -- plus cost of carriage.

Caldwell The Woodsman Co.
EVERGREEN, ALABAMA.

Mention the Review when you write.

KENTIA Belmoreana.

Size	Doz.	100
3-in., 10 to 12 in. high, 4 to 5 leaves.	\$2.00	\$15.00
4-in., 14 to 16 " 5 to 6 "	4.00	30.00
5-in., 20 to 22 " 5 to 6 "	\$.75	\$7.50

FINE STOCK.

Size	Each	Doz.
6-in., 24 to 28 in. high, 5 to 7 leaves.	\$1.25	\$15.00
7-in., 30 to 32 " 5 to 7 "	2.25	25.00
8-in., 30 to 36 " 6 to 7 "	3.00	
9-in., 52 to 64 " 5 to 6 "	6.50	

BOSTON FERNS.

Size	per doz.	per 100
4-inch	\$2.00	\$16.00
5-inch	3.00	25.00
6-inch	\$6.00	\$50.00

Larger sizes up to..... 5.00 each.

Send for complete illustrated price list, mailed free.

THE GEO. WITTBOLD CO.,

1657 Buckingham Place, CHICAGO

Mention The Review when you write.

Geraniums. READY NOW.

Vlaud and Castellane....\$15.00 per 1000
Buchner and Nutt..... 10.00 "

ROOTED CUTTINGS--Send for list.

ALBERT M. HERR, Lancaster, Pa.

Mention the Review when you write.

JOHN SCOTT,

Keep St. Greenhouses, Brooklyn, N. Y.

Headquarters **Bostons**

Fine "PIERSONI" in 2 1/2-inch pots.

The Cottage Gardens' Collection of Cannas. Grand stock. Send for particulars.

Mention Review when you write.

KALAMAZOO, MICH.

State of Trade.

During the past month there was a good demand for both roses and carnations, and the supply was ample and of good quality. Beauties also, were in good demand, and up till two weeks ago the supply was plentiful. They are now rather scarce, but quality good. Since 'mums became plentiful the demand for both roses and carnations has somewhat fallen off. Roses are plentiful and of excellent quality, carnations are also plentiful and for the season are of a high grade. Prices have ruled fair.

'Mums are nearly "the whole thing" just now, and the display by the various growers, in size, color and finish, is much beyond the usual. The demand is brisk and prices good. Violets are as yet scarce and poor, the warm spell having injured them considerably.

Various Notes.

At the Dunkley establishment roses and carnations are looking well, and give promise of a heavy cut by holiday time.

Sam Batson is highly pleased with his prospects and reports a smaller percentage of stem-rot this year. He still grows carnations exclusively. The postal routes having been reorganized, he is now on Route 11, R. F. D.

At Van Bochoves' roses are, as usual, the prime attraction, their Beauties and Meteors being especially fine. They have planted their entire new range to carnations, which are evidently thoroughly suited with their handsome quarters. Among the varieties are to be found a large proportion of last year's introductions. A particular feature of their place is a house of callas which is really splendid. They express themselves as being satisfied with the prospects and are confident that with their large increase and other modern improvements they are in a better position to handle their customers than they ever were before.

The Central Michigan Nursery Co.'s greenhouses are now in charge of A. J. Smith, a gentleman from New York state. He has recently reorganized his working staff and has imported a lot of eastern talent.

The weather during the month has been ideal. R.

WHILE I take other trade papers, the REVIEW is my standby; could not do without it.—ETTA J. NOTT, Charleston, Ill.

TWO NEW WHITE CARNATIONS FOR 1904

Lady Bountiful and The Belle.

Strong and healthy growers. Earliest and most productive of all White Carnations. The two best commercial sorts.

\$12.00 per 100; \$100.00 per 1000.
2500 at \$95.00 per 1000; 5000 at \$90.00 per 1000

Asparagus Comorensis,

Extra strong, select stock, 3-inch, \$10.00 per 100; 3½-inch, \$12.00 per 100.

F. DORNER & SONS CO., LA FAYETTE, IND.

Mention the Review when you write.

CARNATION CUTTINGS -- 400,000 Now Ready.

White.	Per 100	Per 1000	Per 5000
Queen Louise	\$1.20	\$11.00	\$50.00
Flora Hill	1.20	11.00	50.00
Alba	3.40	30.00	125.00
Wolcott	3.40	30.00	125.00
Los Angeles	3.00	25.00	100.00
Norway	1.20	11.00	50.00
Lillian Pond	6.00	50.00	225.00
White Cloud	1.20	11.00	50.00

Pink.	Per 100	Per 1000	Per 5000
Lawson	\$1.40	\$12.50	\$50.00
Marquis	1.20	11.00	50.00
Genevieve Lord	1.20	11.00	50.00
Argyle	1.20	11.00	50.00
Mrs. Joost	1.20	11.00	50.00
Mermaid	1.20	11.00	50.00
Guardian Angel	1.20	11.00	50.00
Mrs. Higginbotham	2.50	20.00	90.00
Cressbrook	2.50	20.00	90.00
Mrs. Roosevelt	6.00	55.00	250.00
Enchantress	6.00	55.00	250.00
Success	5.00	45.00	200.00

Scarlet.	Per 100	Per 1000	Per 5000
G. H. Crane	\$1.40	\$12.50	\$50.00
America	1.20	11.00	50.00

Scarlet.	Per 100	Per 1000	Per 5000
Estelle	\$1.50	\$14.00	\$65.00
Mrs. Palmer	1.50	14.00	65.00
Apollo	3.50	30.00	125.00
Adonis	7.00	65.00	300.00

Crimson.	Per 100	Per 1000	Per 5000
Harlowarden	\$5.00	\$45.00	\$200.00
Gov. Roosevelt	1.20	11.00	50.00
Gen. Maceo	1.20	11.00	50.00
Gen. Gomez	1.20	11.00	50.00
Harry Penn	3.00	25.00	100.00

Yellow.	Per 100	Per 1000	Per 5000
Golden Beauty	\$1.75	\$16.00	\$75.00
Eldorado	1.20	11.00	50.00
Gold Nugget	1.50	14.00	65.00

Variegated.	Per 100	Per 1000	Per 5000
Violania (4-inch bloom)	\$13.00	\$100.00	\$450.00
Marshall Field	5.00	45.00	200.00
Tiger (Fancy)	5.00	45.00	200.00
Stella	3.00	25.00	100.00
Bradt	1.75	15.00	70.00
Armazindy	1.20	11.00	50.00
Prosperity	1.20	11.00	50.00

25 at 100 rate. 250 at 1000 rate. 2500 at 5000 rate.

TERMS:—Spot Cash. No discount given, no matter how large the order. We prepay express charges at above figures to your city. If on arrival they are not satisfactory return at once and money will be returned at once: we cannot vary from these terms.

California Carnation Co., Lock Box 103. Loomis, Cal.

Mention Review when you write.

100,000 SMALL FERNS.

Best commercial varieties, in 2½-inch pots, \$3.00 per 100; \$25.00 per 1000.

NEPHROLEPIS PIERSONI, strong plants 2½-inch pots, \$3.00 per doz.; \$22.00 per 100
NEPHROLEPIS ANNA POSTER, strong plants, 2½-inch pots, 75c per doz.; \$6.00 per 100

PRIMROSES. OEBONICA GRANDIFLORA, ALBA, ROSEA, FIMBRIATA, \$3.00 per 100; \$25.00 per 1000

Cash. OECHSLIN BROS., 1688 W. Madison St., Chicago.

Mention the Review when you write.

500,000 Herbaceous Plants

IN ALL THE LEADING VARIETIES at ridiculously Low Prices.

ASK FOR OUR SPECIAL OFFER.

BOBBINK & ATKINS, Rutherford, N. J.

Mention the Review when you write.

CARNATION CUTTINGS

We are now booking orders for Carnation Cuttings. All orders will be filled strictly in rotation as received. Send in your orders at once and get the early plants.

We have the following varieties from which we can supply cuttings and will sell at the market prices for good stock:

Enchantress	Fair Maid	The Queen
Boston Market	Gov. Wolcott	Eldorado
Bradt	Prosperity	Manley
E. Sheppard	Adonis	Joost
Lawson	Harlowarden	
Harry Penn	Fragrance	

All our plants are vigorous and healthy and having the best facilities for rooting we are prepared to fill large or small orders.
Long Distance Telephone.

BACKER & CO., Billerica, Mass.

Mention Review when you write.

BEGONIA — Gloire de Lorraine

Strong, healthy plants, in 2-inch pots,
\$12.00 per 100.

Hardy English Ivy,

Strong, 3-inch pots, \$5.00 per 100;
\$40.00 per 1000.

I. H. MOSS, Govanstown, Baltimore, Md.

Mention The Review when you write.

Always mention the Florists' Review when writing advertisers.

75,000 Geranium Cuttings.

Our cuttings this fall are perfection. Order now and secure the best stock of the only ones to grow for profit. Jean Vlaud (pink), S. A. Nutt (crimson), Alp. Ricard (scarlet), Mme. Buchner (white), Mrs. E. G. Hill, Beaute Poitevine (salmons), all semi-double, strong rooted cuttings, \$1.25 per 100; \$12.00 per 1000.

Petunias—Double fringed, 12 varieties selected from Henderson's and Dreer's latests sets, including Snow Storm, strong rooted cuttings, \$1.00 per 100; \$9.00 per 1000.

Salvia—The two best, St. Louis and Bonfire, rooted cuttings, \$1.00 per 100; \$8.00 per 1000.

Smilax—Strong plants from 2½-inch pots, \$1.00 per 100; \$8.00 per 1000. Samples gladly sent.

Carnations—Cut blooms of all the standard sorts. First quality, \$1.50 per 100; seconds, short stem for design work \$1.00 per 100.

THE W. T. BUCKLEY PLANT CO. SPRINGFIELD, ILL.

Mention Review when you write.

A Bargain in

Latania Borbonica.

Fine, Strong 4-inch Stock.
\$10.00 per hundred.

J. B. HEISS, The Exotic Nurseries, DAYTON, Ohio.

CASH WITH ORDER.
Mention Review when you write.

HOME AGAIN-ROOM NEEDED

I and my son Howard have just returned from our annual business trip to Europe. Amongst the 700 or 800 florists which we visited in the Azalea district in Ghent, Belgium, we secured the cream of the market. In Azalea India we were successful in getting the best sorts—Mme. Van der Cruyssen and other best varieties that money could buy; all leading American varieties. Have enough to supply all wants. For Xmas forcing are Deutsche Perle (double white), Simon Mardner (d. pink), Vervaeana (d. rose variegated). For Easter, also the same varieties Mme. Van der Cruyssen, Paul Weber, Niobe, Barnard Andre Alba, Imperatrice des Indes and about 12 more good sorts. Prices from 40c, 50c, 60c, 75c to \$1.00 each.

Spring Importation of Araucarias.

Araucaria Excelsa our specialty—5½-inch pots, 3 to 4 tiers, 18 to 16 inches high, 60c each. 5½ to 6-in. pots, 15 to 17 inches high, very broad, 75c each. 6-in. pots, 4 to 5 tiers, 17 to 20 inches high, 80c, 90c to \$1.00 each.

Fall Importation of Araucarias—Excelsa, 8 to 12 inches high, 3 tiers, 50c each.

Ficus Elastica, Rubber Plants (have 2000), fine, strong plants, 6-in. pots, 20 to 25 inches high, \$4.00 to \$5.00 per doz. 5-in. pots, strong, 25c each; \$3.00 per doz.

Kentia Forsteriana and Belmoreana, 6-in. pots, 30 to 40 inches high, \$1.00 each. 4-inch pots, fine, clean stock, \$5.00 per 100.

Areca Lutescens, 4-in. pots, \$10.00 per 100.

Cycas Revoluta (Sago Palm), perfect, 6-7-in. pots, from 4 to 8 leaves at 9c per leaf.

Boston Ferns, 6-inch pots, very strong, 25 to 30 fronds to a plant, from 25 inches up in height, 50c, worth 75c.

Ferns (for fern dishes), finest varieties, 2½-inch pots, only \$4.00 per 100, worth \$5.00.

Primula Chinensis, for Xmas blooming, all colors, 4-in. pots, \$6.00 to \$7.00 per 100. 5-in. pots, \$1.80 per doz.

Cineraria Hybrida (Michell's finest strain), 3-in. pots, \$4.00 per 100.

Dracaena Lineata, new, strong plants, 50c each.

Dracaena Bruni, just right plants for stores, ballrooms, etc., 25 inches up, 6-inch pots, 50c each; per doz., \$5.00.

Solanum or Jerusalem Cherries, 5 to 5½-in. pots, strong, full of berries, \$2.00 per doz.

Vinea Variegata and English Ivy, field-grown, large plants for 4-in. pots, only \$5.00 per 100.

Cash with order please. Plants are shipped at purchaser's risk. Please state if pots are wanted.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants,
1012 Ontario St., PHILADELPHIA, Pa.
Bell Phone Tioga 3669 A.

Mention the Review when you write.

Geraniums, Etc.

From 2½-inch pots. GOOD STOCK.

Not less than FIVE of any one variety sold.

Alternanthera, 7 varieties, \$2.00 per 100; \$17.50 per 1000.	Per doz.	Per 100
Abutilon in variety.....	40c	\$2.00
Acalypha Macaeseana.....	40c	2.50
Ageratum, Stella Gurney and white, 40c	40c	2.00
Baby Primrose, "Primula Forbesii", 40c	40c	2.00
Coleus, 10 varieties.....	40c	2.00
GERANIUMS, double, single and scented, in good variety, young, healthy stock.....	40c	2.00
Hardy English Ivy.....	40c	2.00
Holt's Mammoth Sage.....	40c	2.00
Lemon Verbena.....	40c	2.50
Lantanas, 10 varieties.....	40c	2.00
Parler Ivy.....	40c	2.00
Pilogyne Suavis.....	50c	2.50
Strobilanthes Dyerianus.....	50c	2.50
Swainsona Alba.....	40c	2.00
" Rosea.....	40c	2.00
Tritoma Pfitzeri, 2½-inch pots.....	75c	4.00
" Uvaria, 2½-inch pots.....	60c	2.50

Notice our Vegetable Plant advertisement in this issue. Cash with order please.

Write for prices on large lots for future delivery. Send for Trade Price List.

R. VINCENT, JR. & SON,

WHITE MARSH, MD.

Mention the Review when you write.

CHINESE PRIMROSES!

In bud and bloom, 4-in. pots, \$6.00 per 100; 3-in. pots, \$3.00 per 100.

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C. WHITTON, City St., Utica, N. Y.

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Pat'd
Mar. 26,
1901.

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(Improved Van Reyper Perfect)

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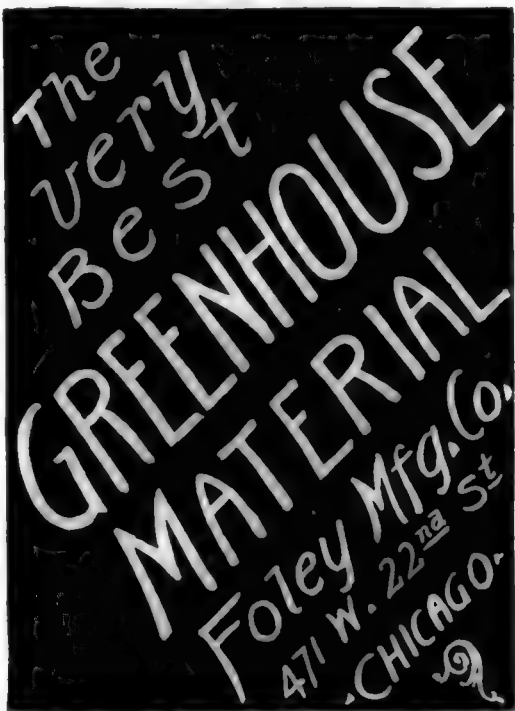
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I have used your FUMIGATING POWDER for some years and I have always found it first-class; there is no danger of it killing anything except the green fly, which it does with dispatch. I never use anything else for insecticide, nor do I wish anything better.
Yours truly,
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NEW HAVEN, CONN.

The cut flower business has taken a little jump in the right direction since the outdoor supply has been cut off. Wednesday night, October 28, brought with it a heavy dew, followed by killing frosts which finished all outdoor flowers. From all reports, violets seem to be shortening up considerably all over the eastern cities and in this city, the home of the wearers of the blue, violets are in good demand, selling at \$1.50 per 100 and not enough to go around.

Roses are coming in better and the demand for them is increasing slowly, as chrysanthemums seem to hold the lead and are coming in better grades than last week. Among the larger ones Col. D. Appleton and Maj. Bonaffon are coming in, also a few Timothy Eaton were seen this week. Some small plants are also to be had at 35 cents each. Carnations have been selling well at 50 cents per dozen, but for some unknown reason one or two places have been selling them at 25 cents per dozen, special.

The growers are busy getting in the outdoor bulbs and roots before the cold weather sets in and are also looking forward to the coming exhibition, November 10 to 12, in which there is over \$400 in cash prizes, two silver cups, two silver medals, one bronze medal, one ton of coal, one parlor lamp, one silver fruit dish, one mirror and a box of good cigars. The ladies' committee of the Florence Crittenden Mission has most kindly consented to act in conjunction with members of the New Haven County Horticultural Society, with the object of making the exhibition a thorough success, by assisting in the sale of tickets and taking an active part in other work during the exhibition, for which the society agrees to give one-third of the net profit.

S. H. W.

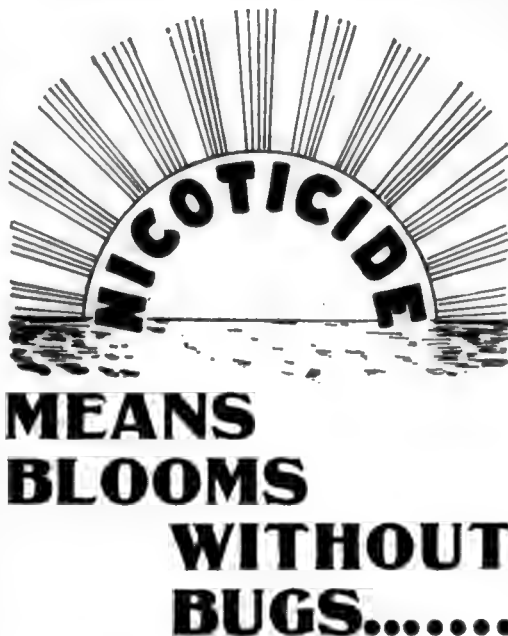
PEORIA, ILL.

The corn carnival at Peoria has just closed, after a fairly successful two weeks' run. The exhibition was considered very fine. These carnivals are held for the purpose of helping the local merchants, but the florists, and many others, denounce the carnivals and street fairs as a detriment to trade; our experience has been a loss of business.

J. C. Murray is still on the sick list, but improving slowly.

A killing frost a week ago has made the bulb trade boom.

TOLEDO, O.—At the Scottwood Greenhouse the chrysanthemum show is attracting many visitors and Manager Magee is well pleased with trade.



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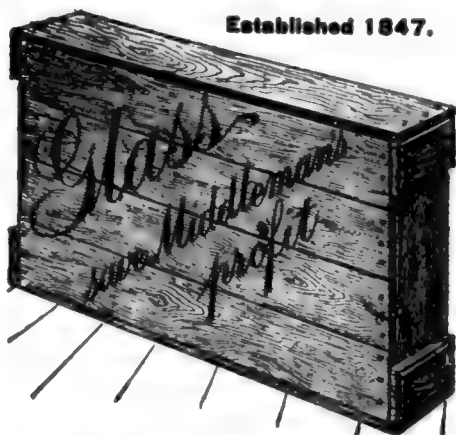
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G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

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Entered at the Chicago post-office as mail matter of the second class.

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INDEX TO ADVERTISERS.

This index covers only those having displayed advertisements. There is a host of others making offers in our classified ads. and they will be found there under their proper headings.

Allen, J. H. 974	Gullett & Sons 990
Am. Wooden Ware Co. 996	Guttman, A. J. 978
Amling, E. C. 989	Hammond, J. A. 974
Aschmann, Godfrey 995	Hartje, John 992
Bache, Semon & Co. 997	Hauswirth, P. J. 978
Backer & Co. 994	Heacock, Jos. 984
Baker, W. J. 978	Helas, J. B. 994
Ball, C. D. 978	Heller Bros. 973
Barnard & Co. 983	Helios-Upton 995
Bassett & Washburn 976	Herr, A. M. 993
Bayeradorfer & Co. 986-90	Herrmann, A. 986
Beckert, W. O. 971	Hicks & Crawbuck. 973
Bencke, J. J. 979	Hill Co. E. G. 973
Bentley & Co. 976	Hippard, E. 999
Berger, H. H. & Co. 986	Hitchings & Co. 996-998-10 0
Bernheimer, E. 973	Holton & Hunkel Co. 978
Berning, H. G. 977	Howe, C. L. 977-59
Blackstone, Z. D. 978	Hunt, E. H. 976-96
Bobbink & Atkins. 994	Igoe Bros. 997
Bonnot Bros. 974	Jacobs & Son. 999
Bowe, M. A. 978	Johnson & Stokes. 973
Bradshaw & Hartman .. 974	Jurgens, Aug. 976
Brague, L. B. 973	Kasting, W. F. 968
Brant & Noe. 976	Kellogg, Geo. M. 973
Brant, S. D. 990	Kennicott Bros. Co. 953-87
Brettmeyer's Sons .. 979	Kentucky Tobacco Product Co. 997
Brod, J. 992	Knoll Nurseries. 990
Bruns, H. N. 976	Kramer & Son. 999
Buckley Plant Co. 994	Kreshover, L. J. 974
Budlong, J. A. 976	Kroeschell Bros. Co. 10 0
Burpee, W. Atlee & Co. 971	Kuehn, O. A. 977
Caldwell Co., W. E. 998	Kuhl, Geo. A. 989-90
Caldwell The Woodsman Co. 993	Kurzman-Dacre Co. 975
California Carnation Co. 994	Lager & Hurrell. 993
Century Flower Shop .. 978	Lake View Rose Gardens 989
Chicago Carnation Co. 953	Lange, A. 978
Clarke Bros. 978	Langjahr, A. J. 974
Clarke's Sons, David 978	Larkin Soap Co. 996
Classified Ads. 980	Lecakes & Co., N. 969
Comey Co., R. H. 971	Lehman Bros. 996
Converse Green-houses. 992	Lilly-Lilly Chemical 996
Cottage Gardens. 973	Limbach, C. 997
Cowee, W. J. 997	Livingston Seed Co. 999
Crowl Fern Co. 975	Long, C. 990
Crooke Co., J. J. 997	Loomis Floral Co. 992
Cunningham, J. H. 989	Loose, J. L. 992
Dearborn Engraving Co. 956	Lord & Burnham. 10 0
Dickinson Co., Albert 971	Ludemann, F. 992
Dietsch, A. & Co. 999	McColgan Bros. 988
Diller, Caskey & Co. 998	McConnell, Alex. 978
Dillon, J. L. 990	McCullough's Sons. 977
Dillon Greenhouse Mfg. Co. 1000	McManus, Jas. 974
Dingee & Conard Co. 999	McMorrin & Co. 999
Dorner, F. & Sons Co 994	Meehan & Sons 988
Dreer, H. A. 987-95	Mitchell Co., H. F. 956
Dunn & Co., C. A. 973	Michigan Cut Flower Exchange 977
Dunne & Co. 966	Millang, A. 973
Eickholt, Mrs. Chas. 978	Millang, C. 974
Elliott, J. L. 999	Millang, F. 973
Elliott & Sons. 971	Moninger Co., J. C. 999
Ellis, F. M. 977	Montana Fertilizer Co. 996
Ernst & Son. 990	Moon Co., W. H. 988
Finley, O. E. 997	Moore, Hentz & Nash 974
Florists' Hall Asso. 998	Moss, Isaac H. 994
Foley, J. J. 977	Muno, John 976
Foley Mfg. Co. 995	Murphy, Wm. 977
Ford Bros. 973	National Florists' Board of Trade 973
Foster, L. H. 989	Naumann, G. M. 990
Garland, Geo. M. 1000	Neff, L. I. 979
Garland, Frank. 976	N. Y. Cut Flower Co. 974
Gasser Co., J. M. 978	Niessen, Leo. 955
Geller, Sigmund 956	Oechslein Bros. 994
Ghormley, W. 974	Park Floral Co. 978
Giblin & Co. 999	Parker-Bruen Co. 996-99
Gude & Bro., A. 978	Peacock, W. P. 977
	Pennock, S. S. 954-93
	Perkins, J. J. 976
	Peterson Nursery. 988

Philadelphia Wholesale Flower Market 955	Pierce Co., F. O. 1000
Pierson Co., F. R. 953	Pierson-Heston Co. 1000
Pine Tree Silk Mills 979	Pittsburg Cut Flower Co. 978
Pittsburgh Plate Glass Co. 997	Poehlmann Bros. 976
Pollworth Co. 993	Quaker City Machine Works 999
Randall, A. L. 976	Rawlings, E. I. 990
Rawson & Co. 971	Raynor, J. I. 973
Reed & Keller 956	Regan Ptg. House. 977
Reid, Edw. 973	Reinberg, Geo. 976-92
Reinberg, P. 969	Rice Bros. 973
Rice, M. & Co. 956	Ribsam & Son. 988
Riedel & Spicer. 974	Robinson & Co. 956
Rock, W. L. 978	Roehrs, Julius. 993
Ryerson, U. O. 995	Salter, W. H. 998
Saltford 978	Saltford, Geo. 974
Schmidt, E. S. 956	Schmitts, F. W. O. 956
Scollay, J. A. 1000	Scott, John. 993
Scott, W. 979	Sharp, Partridge & Co. 1000
Sheridan, W. F. 974	Shibeley 978
Siebert, C. T. 999	Siebrecht & Son 978

Sievers & Boland. 978	Sinner Bros. 976
Skidelsky, S. S. 995	Slinn & Hughes. 974
Smith & Son, N. 977	Smith Co., W. & T. 988
South Park Floral Co. 973	Sprague Smith Co. 997
State Nursery Co. 978	Stern & Co., J. 966
Stewart, S. B. 979	Stoothoff, H. A. 998
Storrs & Harrison Co. 971	Stumpp & Walter Co. 971
Superior Machine & Boiler Works. 1000	Swanson, Aug. S. 978
Thorburn, J. M. & Co. 971	Tobacco Warehouse-Ing & Trading Co. 996
Traendly & Schenck 973	Vosey, W. J. & M. S. 990
Vincent, Jr. E. & Son. 995	Virgin, U. J. 979
Vredenburg & Co. 971	Wabash, R. R. 997 99
Wagner Park Conservatories. 992	Weber, F. O. 978
Weber & Sons. 992	Weiland, M. 978
Weiland & Risch. 976	Whitton, O. 995
Whitton, S. 989	Wiegand & Sons 978
Wielor Bros. 976	Wild, G. H. 988
Wilks Mfg. Co. 998	Williams Co., F. E. 973
Winterson Co., E. F. 975	Wittbold Co. 978-98
Young, John. 974	Young, J. W. 973
Young & Nugent. 974	

ANONYMOUS queries cannot receive attention. Names and addresses are necessary.

PLEASE change our adv. in the classified department of the REVIEW, as the Boston ferns were all sold with the first insertion of the adv.—SOAR BROS., Little River, Fla.

See That Ledge.

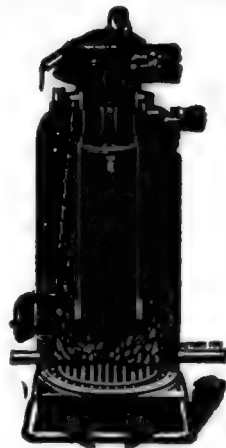
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No. 6...	4x8	x28	3.75	36.00
No. 7...	6x16	x20	5.50	54.00
No. 8...	3x7	x21	3.00	28.50
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Pure Pulverized Sheep Manure and Unleached Hard Wood Ashes

for sale by the **BAG, TON OR CARLOAD.**

Send for sample and price list.

Office: 120 E 3rd St., **So. Bethlehem, Pa.**

Factory: 8 Mechanic St.

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SHORT-ROOF GREENHOUSES. (PATENTED.)

WRITE FOR CATALOGUE.

A. DIETSCH & CO., PATENTEES.

Manufacturers of

Washington Red Cedar and Louisiana Cypress Greenhouse Material and Hotbed Sash.

615-621 Sheffield Avenue, - - - CHICAGO, ILL.

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GULF CYPRESS

Greenhouse Materials, Hotbed Sash.

S. JACOBS & SONS, MANUFACTURERS, 1365 to 1373 Flushing Ave. BROOKLYN, N. Y.

Glass at Wholesale. EVERYTHING FOR BUILDING.

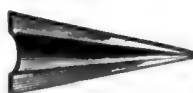
"NOTHING THE FLORIST NEEDS THAT WE CANNOT SUPPLY."

Send for Catalogue.

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"THE MODEL" GLAZING POINT.

Pat. Nov. 25, 1902. No Rights or Lefts.

Zinc. Practical. Durable.

By Mail, package of 1050 points, 45c.

Western Agent, Vaughan's Seed Store, Chicago.

THE PARKER-BRUEN MFG. CO.,

(Inc.) Mfg. Model Extension Carnation Support,

206-8 Jersey St., Harrison, N. J.

High Grade BOILERS

Get our Catalogue.

For GREENHOUSES.

STEAM AND HOT WATER.

GIBLIN & CO., Utica, N. Y.

Through Sleepers to Galveston, Texas, via the Wabash.

The Wabash road has inaugurated a line of first-class Pullman sleepers between Chicago and Galveston, leaving Chicago daily at 11:03 a.m. and arriving at Galveston the second morning at 7:30—a convenient leaving and arriving time. The route is Wabash to St. Louis, Iron Mountain to Texarkana, T. & P. to Longview and thence I. & G. N. R. R.

For sleeping car reservations, folders, etc., apply to your nearest ticket agent, or to

F. A. Palmer, A. G. P. A., Chicago.

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PEERLESS SULPHUR BLOWER.

"A great improvement over the bellows."

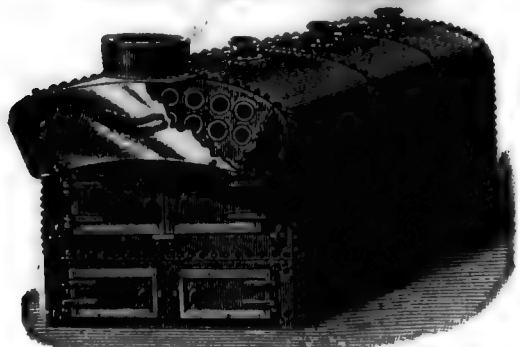
Price, \$4 00 F. O. B. Chicago.

McMORRAN & CO., 15-21 N. Clinton St., CHICAGO, ILL.

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IMPROVED
Greenhouse Boiler,
51 Erie Street, CHICAGO.

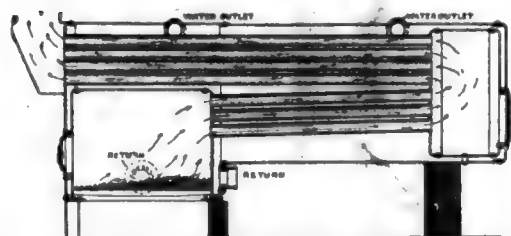


Boilers made of the best material; shell, firebox sheets and heads of steel; water space all around, front, sides and back. Write for information.

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The "Superlor" Boiler

BEST FOR GREENHOUSE HEATING.



WE claim this to be the most **ECONOMICAL BOILER** on the market. The simplicity of construction is apparent from the illustration; built throughout of first-class steel plate; no cast iron rings or legs to crack—all solid steel. Made in five sizes, for 4,000, 5,000, 6,000, 7,500 and 9,000 lineal feet of 4-inch pipe. Every boiler built to order. Send for price list and full information.

SUPERIOR MACHINE AND BOILER WORKS,
129-133 W. Superior St., CHICAGO.

Mention the Review when you write.

GLASS

QUICK SHIPMENTS.

No order too large for us to handle; no order too small to receive our careful attention. :

BE SURE TO GET OUR PRICES.

SHARP, PARTRIDGE & CO.

22nd and Union Place, CHICAGO.
WAREHOUSE ON RAILROAD SWITCH.

Mention the Review when you write.



JOHN A. SCOLLAY,

Greenhouse Heating, Hot Water and
Ventilating Apparatus. Steam Boilers.

JOHN A. SCOLLAY,
74-76 Myrtle Ave., Brooklyn, N. Y.
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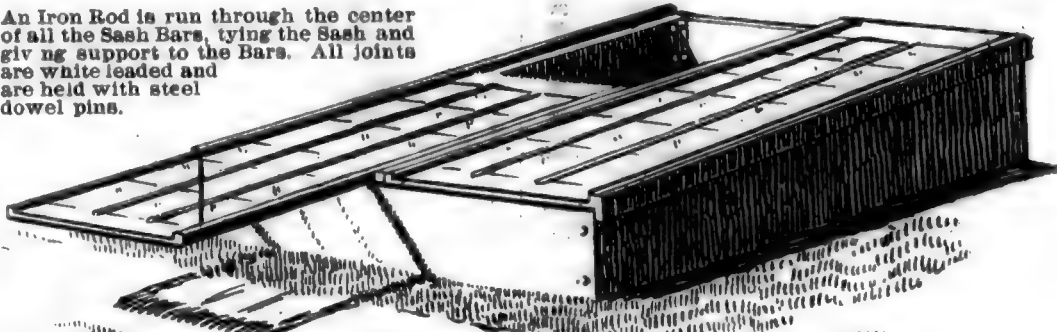
Cypress Hotbed Sash and Frames

FOR GROWING VEGETABLES, VIOLETS, etc.

Our Sash are Strong and Durable, Constructed of Red Gulf Cypress.

"THE BEST IS THE CHEAPEST."

An Iron Rod is run through the center of all the Sash Bars, tying the Sash and giving support to the Bars. All joints are white leaded and are held with steel dowel pins.



Freight allowance covers freight to most Eastern and Middle States.

Greenhouse Material, "Special Putty" and Greenhouse Glass always carried in Stock. Greenhouse Construction Catalogue, also Greenhouse Heating and Ventilating Catalogue, mailed from New York Office on receipt of 5 cents postage for each.

LORD & BURNHAM CO., New York Office: St. James Bldg., Broadway & 26th St., New York
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Mention the Review when you write.

THE PIERSON-SEFTON COMPANY,

Designers, Manufacturers and Builders of
HORTICULTURAL STRUCTURES,

West Side Ave., South, JERSEY CITY, N. J.

MANUFACTURERS OF

"PIERSON" BOILERS

SECTIONAL and ROUND. STEAM or WATER.

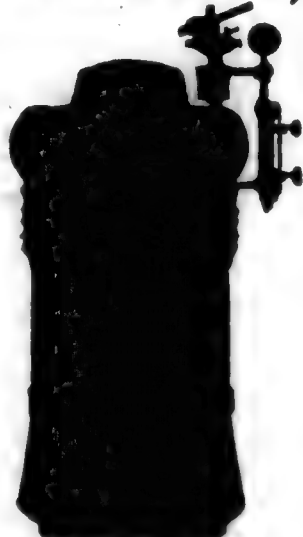
For Large and Small Ranges.

Iron Frame { GREENHOUSES, } Red
BENCHES, } Gulf Cypress.

HOTBED SASH AND FRAMES.

GREENHOUSE CONSTRUCTION SUPPLIES

Plans, Specifications and Estimates on application.



REDUCTION IN PRICE OF Iron Gutters and Posts.

Improved method of manufacture, and lower pig iron market, enable me to offer **IRON GUTTERS AND POSTS** at greatly reduced prices.

SEND FOR PAMPHLET OF MY No. 4 GUTTER.

GEO. M. GARLAND, Des Plaines, Ill.

DILLON'S GREENHOUSE MFG. CO. BLOOMSBURG, PA.

MANUFACTURERS OF HOTBED SASH, AIR-DRIED GULF CYPRESS SASH BARS AND OTHER GREENHOUSE MATERIAL.

BUILDERS of DURABLE and PRACTICAL GREENHOUSES at a LOW COST.

Our descriptive circular contains valuable information for every florist. Send for it.



HITCHINGS & CO.
233 MERCER ST. NEW YORK
GREENHOUSE BUILDERS
Hot Water Boilers, Pipes, Fittings
And Ventilating Apparatus

Mention the Review when you write.

5

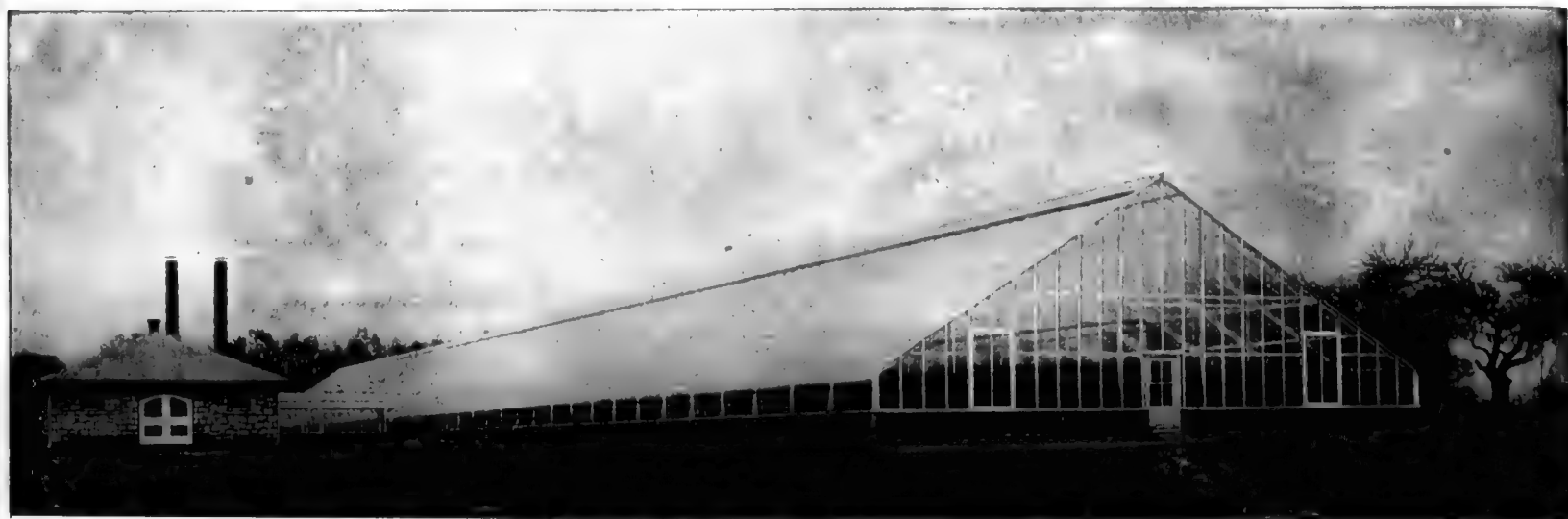
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THE WEEKLY FLORISTS' REVIEW



THANKSGIVING NUMBER

CHICAGO, NOVEMBER 12, 1903



DESIGNED AND ERECTED BY US FOR E. G. ASMUS, CLOSTER, N. J.

Greenhouses, Rose Houses, Carnation Houses, &c.

Designed and erected complete with our Patent Iron Construction or material only furnished ready for erection.

PLANS embrace latest improvements, our facilities are unequalled.

Hitchings Hot Water Boilers

The standard for
**Greenhouse
Heating**

They are unexcelled
for economy and ease in
caretaking



Patented Iron Self-Locking Sash Operating Apparatus

ESTIMATES and PLANS
for your proposed
houses cheerfully
submitted

Send four cents postage
for fully illustrated
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Heating and
Ventilating

Hitchings & Co., HORTICULTURAL ARCHITECTS AND BUILDERS
233 Mercer St., New York

THE WEEKLY FLORISTS' REVIEW

A JOURNAL FOR FLORISTS, SEEDSMEN AND NURSERYMEN.

FLORISTS' PUBLISHING CO., 530-535 Carlton Building, CHICAGO.

Vol. XII.

CHICAGO AND NEW YORK, NOVEMBER 12, 1903.

No. 311.

Lilium Harrisii

As is well known, we are headquarters for Lilium Harrisii. We have completed filling our early orders and now offer a limited quantity of late-dug bulbs, which we can supply as long as stock remains unsold. No finer bulbs reach this market — well matured, carefully selected, packed in cocoanut fibre.

6 to 7-in. bulbs (not 5 to 7s as usually packed) 350 to the case, \$4.00 per 100; \$35.00 per 1000.

7 to 9-in. bulbs, 200 to the case.....\$8.00 per 100; \$70.00 per 1000

9 to 11-in. bulbs, 100 to the case..\$15.00 " \$140.00 "

Full case lots at 1000 rate. 5 per cent. discount for cash with order.

F. R. PIERSON CO.

Tarrytown-on-Hudson, NEW YORK.

Xmas Bells

ORNEMILLE OR IMMORTELLLES

DON'T BUY anywhere else until you see me, because I will furnish you the best shape and most artistic.

No. 1.....5½ inches.....\$6 00 per doz.

No. 2.....6½ " 9 00 "

No. 3.....8 " 12 00 "

Compare the size with those of other dealers. Write for SPECIAL DISCOUNT ON LARGE ORDER.

WM. F. KASTING,

481 Washington Street, BUFFALO, N. Y.

KENNICOTT BROS. COMPANY

SEE PRICE LIST ON PAGE 1006 OF THIS PAPER

WHOLESALE COMMISSION FLORISTS, 40-44 Randolph St., CHICAGO

CARNATIONS!

BLOOMS AND CUTTINGS.

CHICAGO CARNATION CO., JOLIET, ILL.

Begonia Lorraine,

2½-inch pots, \$15.00 per 100; \$140.00 per 1000.

ORCHIDS,

JUST RECEIVED: ONCIDIUM VARICOSUM,
ONCIDIUM BARBATUM.

PALMS for Florists.

Kentias, Latantias, Livistonas, Arecas, Phoenix,
Rhapis, Dracaenas, Crotons, Boston Ferns, etc.

JULIUS ROEHRS, RUTHERFORD, N. J.

Green and Holly.

Evergreen Wreathing, Holly Wreaths, Etc.

Let us figure with you on your requirements.

BULBS are selling rapidly. To avoid disappointment place order at once.

READY SOON: Lily of the Valley and Spireas,

W. W. BARNARD & CO., SEEDSMEN, 161-163 Kinzie St., CHICAGO.

GEORGE REINBERG,

Wholesale Cut Flowers

“George Reinberg’s cut is remarkably steady this year.” So it is. I will have plenty of fine Beauties right along, also Tea Roses and Carnations. Send me your order for Thanksgiving.

51 Wabash Ave., **CHICAGO.**

THANKSGIVING PRICE LIST.

NOTICE—To make the ordering of Beauties simple and saving in words by telegraph, I have adopted the following system and standard sizes. The letters following after the length of stem, thus in wiring say: **Twenty-five Beauties X, fifty A, and so on down.**

American Beauties.		
Select 36-inch or longer—X.....	per doz ,	\$5 00
“ 30-32-inch—A.....	“	4 00
“ 28-inch—B.....	“	3 50
“ 24-inch—C.....	“	3 00
“ 21-inch—D.....	“	2 50
“ 15-18-inch—E.....	“ \$1 50-2 00	
“ 10-12-inch—F.....	“ 1 00-1 25	
“ 8-inch—G.....	“	75
Short Stem—H.....	per 100,	4 00

Roses.		
Maids.....	per 100,	\$5 00-\$8 00
Brides.....	“	5 00- 8 00
Golden Gates.....	“	5 00- 8 00
Meteors.....	“	5 00- 8 00
Liberty.....	“	5 00-10 00
Perles.....	“	4 00- 6 00
Ivory.....	“	5 00- 8 00

The above price for select stock ; when cheaper stock is wanted, it can be supplied, **our selection, \$4.00** per 100.

Carnations.		
Red, pink, and white.....	per 100,	\$2 00-\$4 00
Chrysanthemums.		
Yellow.....	Per doz.,	\$1 00-\$3 00
White.....	“	1 00- 3 00
Pink.....	“	1 00- 3 00
Select Lily of the Valley.....	per 100,	4 00- 5 00
Select Violets.....	“	1 00- 2 00

Green Goods.		
Smilax.....	per doz.,	\$1 50
Adiantum.....	per 100,	1 00
Ferns.....	per 1000,	1 50
Asparagus Plumosus.....	per string,	40c-60c
“ “ sprays.....	per bunch,	50c-75c
“ Sprenger, “.....	“	35c-75c

Prices subject to change without notice.
No charge for boxes or C. O. D. returns from \$3.00 up.



AL RANDALL

19 and 21
Randolph St., **CHICAGO.**

Wholesale Florist.

WHY SHOULD WE NOT LOOK FOR YOUR ORDERS?

Is not 14 years of constantly furnishing the best the market affords a sufficient guarantee that we will still continue?

We now have an acre, more or less, of floor space and, with your orders, we hope to double it in a short time.

We can now, without any hesitation, claim the foremost rank as a shipping commission house, and always at your service.

Hoping to get your **Thanksgiving Orders** as early as possible, I remain, as ever,
Your obedient servant,

A. L. RANDALL, 19 and 21 Randolph St., CHICAGO.

E. C. AMLING

WANTS YOUR BUSINESS.

A considerable number of buyers have found that with us they can depend on getting the most satisfactory service in wholesale cut flowers, but we would like to impress upon others the fact that we can serve them also, and serve them well.

In seven years of business-like dealing we have gained and held the loyal support of some of the very best growers for the Chicago market. We have large supplies at all times, in all grades wanted.

Beauties, Fine Tea Roses, Carnations,
in fact everything seasonable. Plenty Violets.

Chrysanthemums for all needs, including the best exhibition stock.

Best Cattleyas, Choicest Valley.

Adiantum and an unlimited supply of
Asparagus, Smilax and Sprengeri.

While it is business for every day that we seek, we want to call the attention of the trade to the fact that this is the place to look for anything out of the ordinary requirements. We have, and always aim to have, besides the stock to be found in the ordinary commission house, various seasonable specialties to be found nowhere but here.

We cater especially to the shipping trade, finding it to give a steadiness to demand in times of large supply which compensates for the effort necessary to meet requirements in time of scarcity. Our space is large, our facilities adequate to all needs in the line of prompt service and the experience of our employes is a guarantee of careful selection, packing and shipment.

Try our service for Thanksgiving.

WRITE US YOUR NEEDS.

E. C. AMLING

THE LARGEST, BEST EQUIPPED AND MOST CENTRALLY
LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32-36 Randolph St., CHICAGO, ILL.

LONG DISTANCE PHONES 1978 and 1977 CENTRAL.

THANKSGIVING

Mums, Valley, Violets.

Thanksgiving Price List.

SUBJECT TO CHANGE WITHOUT NOTICE.

BEAUTIES		Per doz.	PERLES.....		Per 100	ADIANTUM.....		Per 100
24-inch and over billed accordingly.			ROSES, our selection		\$3 00 to \$6 00	SMILAX, per doz		\$1 00 to \$1 25
20-inch stems.....		\$2 50 to \$3 00	CHRYSANTHEMUMS		10 00 to 20 00	GALAX, gr., per 1000, \$1		1 25 to 1 75
15-inch stems.....		1 75 to 2 00	CARNATIONS.....		1 50 to 2 00	" br., " \$1 50		20
12-inch stems.....		1 50	" fancy.....		2 50 to 4 00	FERNS, per 1000, 1 50		20
BRIDES.....		Per 100 \$4 00 to \$8 00	VIOLETS.....		75 to 1 50	Asparagus Sprengeri		2 00 to 3 00
BRIDESMAIDS.....		4 00 to 8 00	VALLEY.....		3 00 to 5 00	" Plumosus		2 00 to 3 00
METEORS.....		6 00 to 10 00	ASPARAGUS.....		35 00 to 50 00	" strings		50 00 to 75 00

Kennicott Bros. Co.

Wholesale Commission Florists, 40-42-44 Randolph Street, Chicago.

FINE Beauties in quantity.

SELECT ROSES, A No. 1. SELECT ROSES, No. 1.
ROSES, SECONDS.
CHOICE CARNATIONS, all the standard sorts.
CHRYSANTHEMUMS, Fancy.
CHRYSANTHEMUMS, different grades, all colors.
VIOLETS. VALLEY.
ASPARAGUS.
ADIANTUM.
SMILAX.
FERNS.

J. A. BUDLONG
WHOLESALE GROWER AND SHIPPER OF CUT FLOWERS,
37-39 Randolph Street, CHICAGO

Special attention given to shipping orders. We can fill your orders when others fail. When you fail to get satisfaction elsewhere, just give us a trial. You'll find our service prompt. Remember we make no charge for "P. & D." on orders of \$4.00 and over.

Store open from 7:30 a. m. to 6:00 p. m. Sundays and Holidays to 12:00 m.

ETER REINBERG

51 Wabash Ave., CHICAGO, ILL.

The Largest Grower of Cut Flowers IN AMERICA.

A million feet of
glass in full crop for **Thanksgiving.**

We have been disbudding for months and have our plants in better shape than ever before. The **quality of our cut** this winter will insure the greatest satisfaction for every customer—and the **quantity will enable us to take care of some new trade.**

Besides Beauties and the
staple roses and carnations
we are headquarters for

CHATENAY and SUNRISE.

THANKSGIVING PRICE LIST.

BEAUTIES.		Per doz.			Per 100.			Per 100
Extra select.....		\$6 00	BRIDE.....		\$5 00 to \$8 00	SUNRISE.....		\$5 00 to \$8 00
36-inch stems.....		5 00	MAIDS.....		5 00 to 8 00	LIBERTY.....		4 00 to 10 00
30-inch stems.....		4 00	METEORS.....		5 00 to 8 00	IVORY.....		5 00 to 8 00
24-inch stems.....		3 00	GOLDEN GATE.....		5 00 to 8 00	PEELE.....		4 00 to 6 00
20-inch stems.....		2 50	CHATENAY, best grade.		8 00 to 10 00	CARNATIONS.....		2 00 to 3 00
15-inch stems.....		2 00	" good grade.		4 00 to 6 00	" fancy.		4 00
12-inch stems.....		1 50						
Short stems.....		1 00						

SUBJECT TO CHANGE WITHOUT NOTICE.

ROSES, OUR SELECTION, \$4.00.

Order from us to get the freshest stock, with best keeping quality and have the assurance of supplies such as can only come from a million feet of glass.

SINNER BROS.

58-60 Wabash Ave.

CHICAGO.

**Give us your
Thanksgiving Order.**

**Headquarters for
Violets and Hardy Ferns**

Being located in the Growers' Market, with large supplies from our own greenhouses and the stock of thirty-eight of the best growers to draw upon, we have facilities second to none for the prompt and satisfactory handling of shipping orders. Give us a trial order and you will

Let us have your standing order this season



A YEAR OF Phenomenal Success!

A Happy Thanksgiving to our many customers, with our thanks for past favors and assurance of our most careful attention to their interests in the future.

H. C. RIEDEL.

F. D. SPICER.

RIEDEL & SPICER

**Wholesale
Florists,**

34 West 29th St., NEW YORK CITY.

A Full Line of

Seasonable Flowers.

**Our Specialties are
Roses, Violets, Orchids,
Carnations and Smilax.**

Headquarters for the Famous Goethe Carnation.

Special attention given to shipping orders.

Consignments Solicited.

TELEPHONE 3039 MADISON SQUARE.



WETTOR BROS.
51
Wabash Ave., **Chicago**

Wholesale Growers of

CUT FLOWERS

**IN HEAVY CROP FOR
THANKSGIVING.....**

We produce first grade stock in such great quantities that we can fill shipping orders for **Select Stock** at any time.

Our American Beauties

Are always in the lead and we also grow all the **Standard Varieties of Roses.**

In Carnations We have all the standard and best new sorts, and can supply best quality in quantity.

Chrysanthemums We are cutting a large lot of fine blooms and can give you the best the market affords.

By buying of the grower you save the rehandling charges of the middleman, save the injury to stock due to rehandling and are sure of getting fresh stock, for we know the whole history of every flower we ship.

THANKSGIVING PRICE LIST.

American Beauty—				Perle.....	per 100, \$4 00 to \$6 00
Extra long stem.....	per doz.,	\$5 00 to \$6 00		Ivory.....	" 5 00 to 8 00
24-inch stem.....	"	3 00 to 4 00		Liberty.....	" 5 00 to 10 00
20 ".....	"	2 50 to 3 00		La France.....	" 6 00 to 10 00
15 ".....	"	2 00		Meteor.....	" 5 00 to 8 00
12 ".....	"	1 50		Roses, our selection.....	" 4 00
8 ".....	"	1 00		Carnations, ordinary.....	" 2 00 to 3 00
Bridesmaids.....	per 100,	5 00 to 8 00		" fancy.....	" 4 00
Bride.....	"	5 00 to 8 00		Mums, fancy.....	per doz., 2 50 to 3 00
Golden Gates.....	"	5 00 to 8 00		" ordinary.....	" 1 50 to 2 00

All other stock at lowest market rates.

No charge for packing.

Prices subject to change without notice.

Thanksgiving is Coming!

You will need **Cut Flowers**
There is no Reason

Why you should not have the

Finest Cut Flowers for Thanksgiving

When you can get what you want at the **Right Prices.** Get in line to-day and **prepare** for the event which is to come. Price list mailed on application.

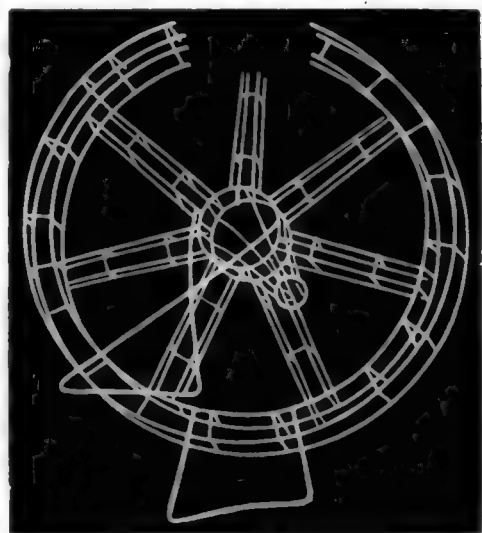
E. H. HUNT

76-78 Wabash Ave.,

CHICAGO, ILL.

E. F. WINTERSON CO.

MODERN SUPPLY HOUSE.



"Perfection Shape"
Wire Work.

We carry the largest stock of made up wire work in Chicago, and can fill all orders, large or small, promptly. Special discounts for cash in 10 days.

Write for
Illustrated Price List.

Headquarters for
the Celebrated

"Superior Quality"
Wild Smilax

(NONE BETTER)

Bouquet Green
Choicest Holly

EVERGREEN WREATHING
HOLLY WREATHS

IMMORTELLES
CAPE FLOWERS

And all **FLORISTS'**
SUPPLIES

"Good Goods
at Reasonable Prices"

CATALOGUE FREE.

For Thanksgiving

Cut Flowers

We are handling the cut of many of the largest and best growers around Chicago, and you will make no mistake in placing your order with us. We make a specialty of

"Regular Orders"

and buyers will find our stock to be

Grown Right }
Cut Right } All Right
Packed Right }
Shipped Right }
Priced Right }

45, 47, 49 Wabash Ave.

CHICAGO

For **Thanksgiving**

BUY DIRECT FROM THE GROWERS.

We shall have a large CUT and the QUALITY will be the very BEST in the market. There is always a heavy demand for A-1 flowers. Send at once for our **Weekly Price List** and **Book Orders early.**

Our plantings of **Beauties, Grafted Roses, Fancy Carnations, Asparagus, Sprenger, Smilax, etc.,** are unexcelled for quality and quantity in this country.

We now have THOUSANDS OF THE FINEST
EASTER LILIES IN BLOOM

And will have them until next summer. **PRICES VERY LOW.**

Bassett & Washburn

STORE and OFFICE: 76 Wabash Ave., CHICAGO.
GREENHOUSES: HINSDALE, ILL.

Mention the Review when you write.

Chrysanthemums.

HEADQUARTERS for NOVELTIES

AND ALL STANDARD SORTS.

LAST WEEK WE TOOK FIRST PREMIUM ON TWENTY-FIVE BLOOMS AT FORT SMITH, ARK., AND AT JOLIET, ILL., FIRST ON FORTY VARIETIES.

NATHAN SMITH & SON, = = Adrian, Mich.

—ESTABLISHED 1882—

Walter F. Sheridan

WHOLESALE FLORIST,

39 West 28th Street, NEW YORK CITY.

AMERICAN BEAUTIES-The Best.

BRIDESMAIDS and BRIDES.

CARNATIONS - Novelties and Standard Grades.

VIOLETS of Extra Grade in any quantity.

PRICE LIST ON APPLICATION.

Telephone 902 Madison Square.

WE SHALL HAVE LARGE SUPPLIES
IN ALL LINES OF STOCK

For **Thanksgiving.**
FINE BEAUTIES,

Plenty TEA ROSES in all grades, FANCY CARNATIONS in quantity,

Chrysanthemums for all requirements,
all seasonable varieties.

Choice Valley, Violets, Asparagus, Smilax, Adiantum.

GIVE US YOUR ORDER and we will ship good stock,
Well packed, and billed at LOWEST MARKET RATES.

BENTHEY & CO.

WHOLESALE FLORISTS,

35-37 Randolph Street, CHICAGO
Greenhouses -- New Castle, Ind.

J. K. ALLEN.

THE PIONEER HOUSE,

106 West 28th Street, New York.

Telephone 167 Madison Sq.

PERSONAL ATTENTION GIVEN TO ALL ORDERS.

Specialties: BRIDE, BRIDESMAID,
American Beauty

And every other popular variety of Roses,

Violets, Carnations, Orchids and other varieties not mentioned.

Can fill out-of-town orders at all times. Consignments solicited. We ship all over the United States. Consignments realize with us THE BEST MARKET PRICES.

Our Thanksgiving Greeting to all our friends of all the years.

Open at 6 o'clock every morning.

A. H. LANGJAHR,

55 West 28th Street, NEW YORK.

WHOLESALE FLORIST.

 SPECIAL advantages to——

GROWERS of
VIOLETS, ROSES,
and CARNATIONS.

Call and see our facilities for good service -- the most convenient and complete in New York.

Growers or visitors to the city cordially welcome to our office courtesies. Have your mail sent in my care and write your letters here. DON'T FAIL TO CALL WHEN IN THE CITY.

Telephone No. 3924 Madison Sq.

IF YOU SELL

stock, supplies, or anything else to Florists throughout the United States you ought to supplement your own knowledge of the Trade--no matter how extensive and thorough it may be--with the information given in our

Credit and Information List.

We don't claim to know any more about the Trade than you do, but we may know certain facts about some party you are thinking of trusting for a considerable amount which you don't happen to know. The Credit and Information List gives the experience of this office in all parts of the United States for more than five years past and you need the information. The book will be almost certain to save you many times its cost in the course of a year.

PUBLISHED QUARTERLY IN JANUARY, APRIL, JULY AND OCTOBER.

REGULAR SUBSCRIPTION PRICE, \$10.00 A YEAR.

Special Thanksgiving Offer to New Subscribers.

Subscribe now, and for \$10.00 we will send you the October Book to use in your fall and winter trade, in addition to the four books which will be issued in 1904.

NEW MANAGEMENT. NEW METHODS. PROMPT AND CAREFUL ATTENTION TO ALL BUSINESS.

National Florists' Board of Trade, ⁵⁶Pine St., New York.



"THE LILY KING."

FOR SALE

**Handsome open
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THE EXHIBITIONS

NEW YORK.

The second annual exhibition of the Chrysanthemum Society of America, held in co-operation with the American Institute, is on this week in New York city, held in the grandest room which has ever been available for a flower show. It is in the new Herald Square hall, at the top of the Macy building, Broadway, between Thirty-fourth and Thirty-fifth streets, and the space of over 70,000 square feet is well filled.

The doors were opened promptly at the scheduled hour, and the management was at once in receipt of congratulations on the complete success of the exhibition, for the general effect was excellent, the showing of high grade novelties the grandest ever staged in this country, and the early attendance most gratifyingly large. All that was needed from the opening hour was good weather to insure a most pleasing outcome.

Probably the center of interest was the contest for the silver cup offered by the C. S. A. for the best ten blooms of any variety. It brought out a wonderful lot of flowers, but none was equal to the new pink, Wm. Duckham, exhibited by Mr. Duckham himself. The F. R. Pierson silver cup for best twenty-five blooms in twenty-five varieties was also won by Mr. Duckham, his set including many of the new sorts, described in recent chrysanthemum notes in the REVIEW. A. Herrington won the Pierson cup for twelve blooms of twelve varieties with many of the novelties in his set. These two were the principal prize winners, Mr. Herrington capturing fourteen firsts and four seconds, Mr. Duckham ten firsts and two seconds. F. R. Pierson Co. was first on its new pink 'mum, Dr. Englehardt.

There were fine bush plants of chrysanthemums from the Boston gardeners. Lager & Hurrell make a very fine display of orchids. Pompon chrysanthemums are shown by R. Vincent, Jr. & Son, White Marsh, Md. Julius Roehrs staged a fine group of decorative plants. John Lewis Childs showed crotons and plants. There are evergreens from Siebrecht & Son and box trees from Bobbink & Atkins.

A good showing of carnations is made by such growers as C. H. Allen, J. J. Hayden, L. H. Marquisee, J. N. May and Peter Fisher. Violets came from G. T. Schuneman. The rose exhibitors were Mitchell, Noe, McArthur, May, Williams and Adams. New roses were shown by John Breitmeyer's Sons, J. N. May and John Cook. H. T. Clinkaberry shows cyripediums. Mr. Wells, the English chrysanthemum grower, sent an exhibit of twenty novelties.

Among the best blooms shown, taking the exhibits as a whole, are Wm. Duckham, the grand pink; Eaton, white and yellow; Col. Appleton in fine form and F. A. Cobbold, one of the novelties. Among the exhibitors from a distance are E. G. Hill Co., Richmond, Ind.; Nathan Smith & Son, Adrian, Mich.; H. W. Buckbee, Rockford, Ill.; W. J. & M. S. Vesey, Fort Wayne, Ind. The trade visitors include all the principal chrysanthemum growers in the country.

The judges were: Eugene Dailedouze, Prof. Nicholson, Edwin Lonsdale, Wm. Turner and Elmer D. Smith.

PHILADELPHIA.

Beautiful weather greeted the opening of the great Philadelphia flower show on Tuesday evening, drawing a large crowd of flower lovers to Horticultural Hall. They found a grand collection of plants and cut blooms of chrysanthemums that deserved careful examination. The larger sized chrysanthemum plants were numerous. They were, as a rule, rather stockier than usual, with an abundance of well-formed flowers of good substance and size. They nearly filled the main hall, being grouped about a Japanese temple, which was arranged with arches and supported by columns, a temple of chrysanthemums, ferns, autumn leaves and red Japanese lanterns, put together in William Graham's best style. Some fine specimens of *Areca lutescens* were along the walls and at one end two splendid crotons in tubs, the broad-leaved Queen Victoria yielding the blue ribbon to *Superbus*. A specimen *Rhapis flabelliformis* in a big tub was much admired. Near by was another of *Cycas Siamensis*, not often seen. In ferns John H. Ley had his challenge exhibit of *Adiantum hybridum* in good form. Thomas Long has

being crowded into the lower hall, with the vegetables. Secretary Rust stated that exhibitors and experts agreed in praising the exhibition. All seemed well pleased. PHIL.

INDIANAPOLIS.

The fourteenth annual chrysanthemum show opened November 10 with the grandest display of cut blooms and plants ever seen in this city. Never before were such uniformly fine blooms on exhibition here, and since the last show two years ago there certainly has been a great improvement in the 'mum. Those large and gorgeous Australians are almost beyond description, but they are having a hard tussle in their endeavor to displace our own Eatons and Appleton, and a few others. Perhaps the grandest show in the hall are two big vases of equally big Appleton done to perfection, one by Mrs. Vesey and the other by the E. G. Hill Co. They received first and second in the order named, but it took some fine judging to decide between them. We have three good judges, though, in the persons of Messrs. Buettner and Wienhoeber, of Chicago, and Theo. Bock, of Hamilton, Ohio.

H. W. Rieman has several seedlings and they are laying the other varieties out in good shape. Consequently Henry wears that "smile that won't come off." H. W. Buckbee, of Rockford, is here with some grand stock. The mossed banks were introduced at this show and the blooms show up fine this way. Especially is this way effective with those large, reflexed Australians, with their long and spreading petals. Bare necks



Wm. Scott's Exhibit, Winner of Silver Cup at the Tarrytown Exhibition.

some grand specimens, for which he is famous.

To return to chrysanthemums, the cut flowers were shown in great profusion. The largest single bloom was said to be John Mitchell's Madame Carnot, which was apparently a record-breaker. The best three vases were Colonel Appleton, yellow; Nellie Pockett, white, and Marie Liger, pink, all from William Robertson. There is a nice collection of orchids, also many fine decorative plants and evergreens.

The show is very large, many foliage plants and the hardy chrysanthemums

do not detract from the beauty of the blooms as they do when in vases. While we do not like to see varieties with good foliage shown in this way, there is no doubt that for many varieties this method is to be preferred. Among the older varieties we notice Morel and it looms up better than ever. A vase of this variety shown by Mrs. Vesey carried off the prize in the pink class, H. W. Rieman's seedling running a close second.

There is very close competition in the classes calling for six blooms each of the various colors, and many vases that are well worthy of a first prize will be

turned down. Gunnar Teilmann, of Marion, is here with some great stock, and so is G. R. Gause, from Richmond. N. Smith & Son are upholding their reputation as one of the strongest competitors in the business. Alvin Schreiber, of Bertermann's, is showing some fine stock.

The orchid display is attracting crowds and it is well placed in the center of the hall, so that people can walk all around it. The 'mum plants are hardly up to the high standard we are used to at our shows, but they are not bad. Vaughan's Golden Chain attracts the crowds continually, while his other plants are also fine. The display of plants is also less extensive than usual. The groups of single stems are sadly lacking in number, quality high, however. J. Hartje has some single-stemmed plants that are superb, good foliage and large blooms. E. Huckreide is also showing fine stock in these classes.

H. W. Rieman is showing some fine Lorraines and cyclamens. There is a nice exhibit from W. A. Manda, South Orange, N. J., of their golden privet and a nice pink 'mum.

Tomlinson hall has been remodeled during the past summer and with the fine decorations it shows up prettier than ever. Ed Bertermann deserves much credit for the arrangement of the decorations and the displays.

The Smith & Young Co. is showing a fine lot of violets and there is also a fine lot from Swan Peterson, of Gibson City, Ill.

The weather is fine and the low railroad rates has brought many visitors to the city and this show will certainly be a financial success.

Among the visitors are, besides the judges, E. G. Hill, of Richmond; Mrs.

Fifty pink 'mums, Mrs. Vesey first, H. W. Rieman second, Hill third.

Fifty red, G. Teilmann first.

Fifty white, Rieman first, Hill second, Teilmann third.

Twenty white, Rieman first, Teilmann second, Bertermann Bros. third.

Twenty yellow, Bertermann first, Rieman second, Hill third.

Twenty pink, Buckbee first, Hill second, Vesey third.

Twenty red, Hill first, Bertermann second, Buckbee third.

Twenty bronze, Hill first, Teilmann second, Rieman third.

Six white, Teilmann first, Smith & Son second, Rieman third.

Six yellow, Hill first, Teilmann second, Bertermann third.

Six pink, Smith & Son first, Hill second, Vesey third.

Six red, G. R. Gause first, Smith & Son second.

Six "any other color," Smith & Son first, J. Hartje second.

Australian varieties, ten sorts, two blooms each, Smith & Son first, Hill second, Buckbee third.

Thirty-six blooms, one of each variety, Hill first, Smith & Son second, Buckbee third.

Twenty-four varieties, same conditions, Smith & Son first, Teilmann second, Buckbee third.

Twelve varieties, same conditions, Hill first, Bertermann second, Hartje third.

Pompons, Smith & Son first.

Ten blooms Convention Hall, Smith & Son first.

Twelve oddities, Smith & Son, first, Hill second.

Violets, Smith & Young Co., first.

A. F. J. BAUR.

TARRYTOWN, N. Y.

The fifth annual exhibition of the Tarrytown Horticultural Society was held in the Music Hall, Tarrytown, N. Y., November 4 to 6 and was quite up to the high standard of former years. The competition in both plants and cut blooms was keen and in many of the classes very close. The only falling off was in bush chrysanthemum plants and in a number of groups of chrysanthemum plants. No doubt the C. S. A. show to be held in New York the next week made some of

Mrs. Geo. Lewis, Tarrytown; and Wm. Scott, gardener to Joseph Eastman, Tarrytown.

In the cut bloom classes the most noticeable of the newer varieties were Lord Salisbury, Mrs. Thirkell, Chas. Longley, Durban's Pride, Millicent Richardson, Queen Alexandra, W. R. Church, Mrs. G. Mileham and Yellow Eaton.

For the largest bloom in the show, two Madam Carnot, one Lord Salisbury and one Mrs. Thirkell were put up, Lord Salisbury winning out, the overhead measurement being twenty-three inches. The flower, though a little light in color, was well finished and full centered.

Some of the older varieties prominently shown were: J. R. Upton, T. Carrington, Mrs. Weeks, Col. D. Appleton, Kate Broomhead, Merza, Golden Wedding and Mutual Friend.

Among the commercial exhibitors were F. R. Pierson Co., of Tarrytown, showing Beauty roses and several promising seedling chrysanthemums. Main & Fear, of Gloversville, N. Y., showed a good vase of assorted carnations, and John E. Haines, of Bethlehem, Pa., showed a number of seedling carnations of merit, prominent among which was a clear yellow of good form and stem, named Star of Bethlehem. In new carnations, the most prominently shown were Gov. Wolcott, Harlowarden, Enchantress and J. H. Manley, while in the old varieties Mrs. Lawson and Prosperity were most in evidence.

The first premiums on plants and cut flowers:

David McFarlane, gardener for Mrs. Walter Webb, Scarborough, was first on group to cover seventy-five square feet; on thirty-six carnations; on twelve white carnations.

Howard Nicola, gardener to Mrs. J. B. Trevor, Yonkers, was first on group of foliage plants; on specimen fern; on Adiantum Farleyense; on twelve Beauties; on twelve Brides; on single violets; on table centerpiece.

W. C. Roberts, gardener to Frederick Potter, Ossining, was first on bush plant, white, yellow and "any other color"; on two distinct varieties; on six cyclamens.

Wm. Scott, gardener to Joseph Eastman, Tarrytown, was first on twelve single-stemmed plants; on six table plants; on six table ferns; on three specimen ferns; on selaginella and lycopodiums; on adiantum other than Farleyense; on twelve chrysanthemum blooms, distinct varieties.

George Middleton, gardener to Wm. Rockefeller, was first on thirty-six chrysanthemum blooms in six varieties; on twenty-five in distinct varieties; on twelve Bridesmaids; on twelve pink carnations.

J. S. Wahlquist, gardener to J. D. Archbold, was first on six white chrysanthemum blooms.

Wm. Nye, gardener to Miss Blanche Potter, Ossining, was first for six blooms, yellow, pink and crimson; on twelve Perle and twelve Liberty.

John Henry, gardener to Samuel Goodman, was first on twenty-five chrysanthemum blooms arranged for effect.

Robert Allen, gardener to E. C. Benedict, Greenwich, Conn., was first on eighteen carnations; on twelve scarlet and twelve variegated.

Richard Langle, White Plains, was first on double and on single violets.

John Johnson, gardener to B. S. Clark, Greenwich, Conn., was first on double violets in the gardener's class.

James Ballantyne, gardener for Mrs. George Lewis, Tarrytown, was first on palms.

Samuel Untermeyer was first on foliage plant.

There was also a good showing of fruits and vegetables. The silver medal for new decorative plant went to Samuel Untermeyer, the Pierson silver cup for display of chrysanthemums to Wm. Scott, as did the prize for table of decorative plants, for Asparagus Sprengeri and for largest bloom in the show. The Pierson prize for Nephrolepis Piersoni went to S. Untermeyer and Samuel Riddle had the best Lorraine begonia. John Henry had the best grown plant other than fern and L. A. Martin the best pompon chrysanthemums.

Certificates were awarded to J. Breitmeyer's Sons, Detroit, for seedling rose; to Geo. N. Hay, for seedling carnation; to J. E. Haines, Bethlehem, Pa., for car-



The Pierson Exhibits at the Tarrytown Show.

Vesey, of Fort Wayne; J. A. E. Haugh, of Anderson; F. Wardell, of Richmond; Mr. Reisig, from N. Smith & Son, Adrian; Geo. Shulz and his nephew, of Louisville; S. S. Skidelsky, of Philadelphia; E. Schray, of St. Louis; G. Teilmann and wife, of Marion; H. W. Buckbee and wife, of Rockford; O. Benthey and H. Heller, of Newcastle, and several others. A partial list of the awards follows:

One hundred Eaton, Mrs. Vesey first.
One hundred Appleton, Mrs. Vesey first, E. G. Hill second.

the boys hold back some of their best plants.

W. C. Roberts, gardener to Fred Potter, Ossining, N. Y., was the principal exhibitor in bush plants, and David McFarlane, gardener to Mrs. H. Walter Webb, Scarborough, N. Y., put up a very neat group, the plants being finely foliaged and blooms well finished.

The principal exhibitors in plants were H. Nicols, gardener to Mrs. J. B. Trevor, Yonkers; Samuel Untermeyer, Yonkers; James Ballantyne, gardener to

nation Star of Bethlehem; to Main & Fear, Gloversville, for carnations; to F. R. & P. M. Pierson, for Beauties; to F. R. Pierson for carnation Daheim.

The judges were William Turner, Oceanic, N. J.; James G. McNicoll, Cedarhurst, N. Y.; Patrick O'Mara, New York City; Peter McDonald, Yonkers, N. Y.; Thomas Harrison, Glen Cove, N. Y.; M. J. Connelian, Bayshore, N. Y.

MADISON, N. J.

The eighth annual show of the Morris County Gardeners' and Florists' Society was held here on November 5 and 6 and proved to be the most successful yet held by that society. The attendance on the second day was gratifying and the quality and quantity of the exhibits left nothing to be desired. In the chrysanthemum classes were seen many of the novelties and some exceptionally fine varieties were noted. In the class for thirty-six flowers, six varieties, the two ancient rivals, William Duckham and Arthur Herrington, put up a grand competition, the first named scoring first, with splendid vases of Maynell, Ben Wells, Thirkell, F. S. Vallis, Mrs. G. Mileham and Mrs. Weeks. The most conspicuous of Mr. Herrington's lot were the Eatons, H. J. Jones and Appleton.

For eighteen flowers, three varieties, Peter Duff, gardener to J. Crosby Brown, won an easy first with splendid flowers of Merza, T. Carrington and Nellie Pockett. Mr. Duff also got first for twelve flowers in four varieties with A. Herrington second, and he also won first for ten white, with Merza.

For ten yellow A. Herrington was first, with Yellow Eaton, and also first for ten Appleton and ten Eaton, all splendid vases. Six flowers any variety first went to W. F. Thomas and for ten flowers in five varieties was captured by Peter Duff, with Mr. Thomas second. Mr. Duff got another first on six pink, with fine Balfour, O. Kock scoring second. Six white was won by O. Kock, and six yellow by C. H. Totty, with Lord Salisbury.

Six Appleton gave Peter Duff another first, as did also six "any other variety," W. H. Hand running second in each case. Mr. Hand got first on the vase for effect, with Geo. Bird second. In the class for pompons conditions were reversed and Geo. Bird got first, with Mr. Hand second.

The competition in the rose classes was worthy of the rose city, eight, nine and ten exhibitors showing in each class, and the quality was very fine. For eighteen Beauties and twelve Beauties, L. A. Noe was first and L. M. Noe was second in each case.

For twenty-five Maids L. A. Noe was first, L. M. Noe second, and Mrs. R. B. Holmes third. For twenty-five Brides L. A. Noe was first, Henry Hentz second, and L. M. Noe third. For twelve Maids Brant Bros., Utica, N. Y., were first, L. A. Noe second, and Mrs. R. B. Holmes third. For twelve Brides L. A. Noe was first, C. G. Cook second and Brant Bros. third.

One exhibitor, J. T. Wagner, of Chatham, would have been easily first in several classes, but owing to the fact that he staged more flowers in each instance than the schedule called for, he was disqualified.

In carnations Wm. Duckham got first with very fine vases of Enchantress, Mrs. Bradt and Gov. Roosevelt. In violets W. H. Thomas got first for the doubles and Peter Duff for the singles.



View of the Madison, N. J., Exhibition Last Week.

For the groups of plants H. L. Hand was first, W. H. Thomas second and S. Herremans third.

For three specimen chrysanthemum plants Peter Duff was first, with very well finished pots of Balfour, Garza and Molatsch. Mr. Duff was also first for one specimen plant and for twelve 6-inch pot plants.

The medals offered by Moore, Hentz & Nash to the actual growers of the flowers were won this year by Samuel Redstone, foreman for William Duckham, and Joseph Rusicka, foreman for L. A. Noe. This awarding medals to the actual growers of the flowers might well be followed by other societies, offering, as it does, an incentive to the grower to do the best he knows how.

In the vegetable classes Messrs. Coombes and Downing and Herremans were conspicuous.

A certificate was awarded W. Duckham for a stand of new mums, some of the finest being W. Duckham, Cheltoni, Mary Inglis, Maynell, Henry Barnes, Ben Wells, F. A. Cobbold and Mildred Ware. This is the first time any of these varieties have been exhibited in the east and enthusiasts hovered around them notebook in hand, W. Duckham being a favorite with everyone.

Certificates were awarded to John N. May for Bride carnation and seedling No. 45 chrysanthemum. Also to the Breitmeyer rose, which was very well received by the rose men generally.

Wm. Duckham was recognized for a splendid plant of Ficus pandurata and Acalypha Sanderiana, and A. Herrington for a splendid plant of Caryota urens, two Cocos plumosa (undoubtedly the two finest plants in the country), and a grand specimen of Pierson fern.

Mrs. R. B. Holmes set up a vase of President Carnot rose that was really splendid. As grown at that establishment Carnot is a fine paying rose and Mr. Gary, the foreman, can shake hands with himself.

Lager & Hurrell were given a certificate for a table of orchids, among which were Cypripedium insigne Sanderæ and other rarities.

M. Tilden made a splendid exhibit of

Beauties and Dr. McAlpin, of Morristown, showed Bridesmaid very well done.

John Haines, of Bethlehem, Pa., sent a half dozen seedling carnations, Star of Bethlehem being perhaps the best of the lot. A certificate was awarded him, and also to F. R. Pierson for carnations Daheim and Mrs. M. A. Patten.

E. Jenkins and A. H. Wingett, or Lenox, Mass., with William Turner, of Oceanic, N. J., were the judges and their work showed careful and accurate judgment.

Taken generally, the show was very fine and in quality will hardly be equaled in the country. B.

JOLIET, ILL.

The second annual flower show, November 5 to 7, in point of exhibition and attendance was a great success, and financially there will be a little surplus to go into the treasury. The principal exhibitors were the Chicago Carnation Company, the J. D. Thompson Carnation Company, the E. G. Hill Company, Nathan Smith & Son, H. W. Buckbee, Joseph Labo, Carter, Johnson & Goranson, Colonel Lambert, George Kuhl, Vaughn's greenhouses and George Wittbold Company. But there were many others. We should also mention the school exhibits, four of them, also the Illinois State Penitentiary, William Tip-lady, gardener, put up a fine group of plants not for competition.

Nathan Smith & Son captured first prize for forty varieties of 'mums, with the Hill company a close second and Buckbee third. Gunnar Teilmann, of Marion, Ind., was first on twelve white, twelve pink and twelve yellow. In plants Vaughan sent six and got more firsts than Buckbee. The latter's were well grown, large flowered, bushy plants, but not large enough to compete against the other plants, which were also well grown. Kuhl was first on Piersoni and Boston ferns.

The carnations were not very strong, only the two local firms exhibiting. There were only five classes open to them. The Chicago Carnation Company was easily first on the best vase, any color,

with Fiancee, also first on pink. The Thompson company got first on white and red. Medals were awarded, Fiancee winning the gold one. The others were silver. Fiancee also won the silver cup on Friday for the best novelty in plants or flowers. This is certainly a great carnation and was in much better form than when shown in Chicago last year.

Joseph Labo took first on table decorations. The Chicago Carnation Company put up a splendid table of Sunrise rose, not for competition. The same firm had a magnificent display of plants and cut blooms to advertise their retail department, which opened with the flower show.

Peter Reinberg won first prize on roses, Mme. Chatenay, Sunrise and Perle. The Chicago Carnation Company first on Beauties, their only entry, Colonel Lambert second. Joseph Labo had the flower booth and did a good business. A. Lange, of Chicago, sent down a beautiful bride's bouquet. Joseph Labo and Johnson & Goranson divided honors in bouquets and designs.

The full list of awards was:

Forty named varieties, one bloom each, N. Smith & Son, first; E. G. Hill Co., second; H. W. Buckbee, third.

Twelve varieties, one bloom each, E. G. Hill Co., first.

Twelve yellow, white, pink, Gunnar Tellmann, first on each.

W. N. Rudd was first on carnations, competition open only to outside growers, with a fine vase of Phyllis.

Sweepstakes, open to all, Chicago Carnation Co. first on Fiancee; also first on fifty pinks.

Fifty white and fifty red, Thompson Carnation Co., first.

On twenty-five Beauties the Chicago Carnation Co. was first, Lambert second. Peter Reinberg was first in all other rose classes.

Mrs. Pearson was first on violets; Joseph Labo on pansies, basket roses, bride's bouquet and on funeral piece and table decorations. A. Lange was first on bridesmaid's bouquet.

Vaughan's greenhouses were first on specimen chrysanthemum plants, white, yellow, red and "any other color." H. W. Buckbee was first for pink and for bronze. Vaughan was first for berried plant and second for fern, other than Boston, with Pieroni. They were first on grafted plant.

George A. Kuhl, Pekin, Ill., was first for Boston and Pieroni.

of three. At 10:30 they were taken across the street to the Elks' clubrooms, which, by the way, are the finest in America, where a good repast was awaiting them, and to which they did full justice. About forty sat down, including Mayor Crolius. After speeches and songs the mayor pressed the button and the whole fire department of the city was there in two minutes. After a show of their skill, which was great, equal if not better than seen in larger cities, the Chicago boys were hoisted into the patrol wagon and driven to the new police station and other interesting places, and put off at their hotel at 2 a. m., well pleased that they had taken in the Joliet flower show.

Among the visitors were W. N. Rudd, P. J. Foley, F. F. Benthley, Robert Johnstone, Leonard Kill, Archie Spencer, J. S. Lubliner, Walter Kreitling, P. J. Hauswirth, George Asmus, C. A. Balluff, E. F. Winterson, J. B. Deamud, A. Lange, William Kidwell, Joseph Foerster, and many others whose names were not taken.

Following were the bowling scores:

Chicago.	1st.	2d.	3d.
P. J. Hauswirth.....	142	177	106
John Lambros.....	146	140	127
Charles Balluff.....	140	145	169
George Asmus.....	162	183	193
E. F. Winterson.....	89	125	112
Jos. Foerster.....	158	149	160

Totals.....	837	919	867
Joliet.....	1st.	2d.	3d.
F. Fritz.....	152	145	188
Schick.....	186	158	171
Listero.....	145	148	131
P. Olsen.....	118	148	150
Ferris.....	145	117	144
Hoffman.....	138	159	153

Totals.....884 875 937
At the end Joseph Foerster and George Asmus bowled 317 against Schiek and Hoffman 310, in one game.

RED BANK, N. J.

The sixth annual exhibition of the Monmouth County Horticultural Society

On six yellows N. Butterbach, gardener for C. N. Bliss, was first, with Mrs. E. Thirkell, a grand yellow over nine inches in diameter. William Turner was second with Lord Salisbury, also a new one like the foregoing and a beautifully built bloom. Appleton was shown in several classes, and in the best shape, but could not compete with the newer varieties.

On crimson George Hale was first with H. J. Jones and Mr. Tierney, gardener for Mr. Hartshorn, second with W. R. Church.

On pink George Hale was first, with Balfour. This is certainly the best pink in commerce.

On "any other color" George Hale was first, with Brutus.

On twelve specimen blooms Geo. Hale was first, with Chas. Longley, Mrs. T. W. Pockett, Merza, Appleton, John Pockett, Carrington, G. J. Warren, White Carnot, Brutus, Peter Kay and Dazzler. William Turner was second in this class.

On the thirty-six blooms in six varieties, William Turner was first, with Mabel Morgan, H. J. Jones, Merza, Carrington, Nellie Pockett and Peter Kay. Geo. Hale was second in this class. There was a great deal of interest among the exhibitors as to which of the two gentlemen above would get first prize in this class, and the judges had a long critical examination. Mr. Turner got first by two points. Mr. Hale's White Carnot, without artificial support, could not stand up with a bloom ten inches in diameter.

There were four entries on the vase of twenty-five blooms for effect, Geo. Hale winning first and N. Butterbach second.

For chrysanthemums in pots, a group of seventy-five square feet, N. Butterbach won an easy first. A. G. Williams, gardener for Selmar Hess, was second.

In roses Geo. Hale was first for Beauties and W. W. Kennedy, gardener for A. Freidman, Red Bank, second. On Brides Mr. Tierney was first and N. Butterbach second. On Maids Mr. Tierney was first and Geo. Hale second. On "any other variety" Geo. Hale was first for Morgan.

In carnations, pink, Wm. Turner was first and W. W. Kennedy second. On white Wm. Turner was first with Queen and Tierney second with Flora Hill. On red Wm. Turner was first with Harlowarden and Mr. Tierney second with Maceo. In yellow Wm. Turner was first, also on "any other color." Enchantress was shown by Mr. Turner for exhibition only. They showed good stems and the blooms were three and a half inches in diameter.

Two big vases of Brides and Maids were shown by Frank McMahon, for exhibition only. They were the best the writer had ever seen at this time of the year. They reminded one of the great blooms from Canada, shown at the Eden Musée, at the American Rose Society's show.

For greenhouse grapes Geo. Hale was first for two fine bunches of Lady Downe's Seedling.

For foliage plants on a group of 100 square feet, H. A. Kettel, gardener for James Loeb, and James Dowlen, gardener for General Terrell, had a very close competition, and after a critical examination Mr. Dowlen was awarded first and Mr. Kettel second.

For specimen palm N. Butterbach was first and Geo. Hale second. For "any other" specimen foliage plant Geo. Hale was first and N. Butterbach second. For six specimen ferns James Dowlen was



View of the Madison, N. J., Exhibition Last Week.

The Foley silver cup for best undisseminated plant was awarded to the Chicago Carnation Co. for Fiancee carnation.

The amateurs made good displays and there was a long list of premiums awarded to them.

A large number of florists were down from Chicago during the week and enjoyed the show and entertainment. At the close of the show on Saturday evening the Chicago bowlers, at the invitation of James Hartshorne, brought down a crack team, but only got one game out

was held in the town hall at Red Bank, N. J., on November 3 and 4. Some wonderful blooms were seen. George Hale, manager of E. D. Adams' place, had some White Carnot two and one-half feet in circumference. His exhibits were a show in themselves.

On the six whites, George Hale was first, with Merza, and William Turner, manager of the M. C. D. Borden estate, second, with Nellie Pockett.

first. For a specimen fern A. G. Williams got first. For six table plants J. Dowlen was first and A. G. Williams second.

The vegetable classes were well filled. In the collection of twelve varieties Combs & Downing, Madison, N. J., had the finest collection to be seen at this time of the year, but were disqualified on account of too many varieties, still the committee decided to give them a special prize for their exhibit. Other prize winners in vegetables were W. W. Kennedy, H. A. Kettel, J. Dowlen, Geo. Kuhn, Wm. Turner and Hugh McCarron. Mr. W. W. Kennedy and Mrs. Frank Hodges, of Red Bank, had some fine fancy pigeons on exhibition, which were a great attraction. H. A. Kettel received special mention for a pan of well-grown lily of the valley. B.

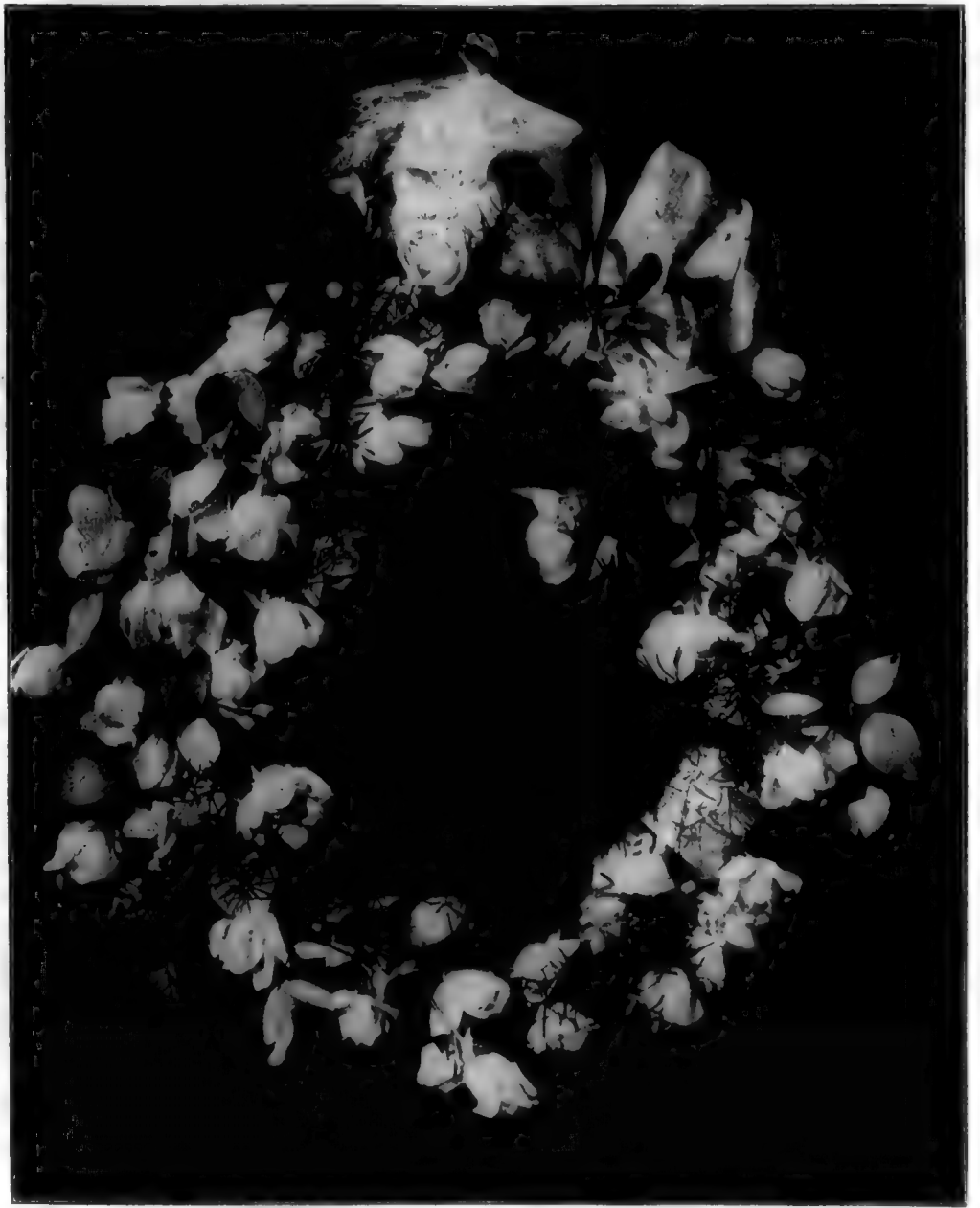
PITTSBURG.

The last meeting of the Florists' Club was held on November 3, and, although it was election night, we had a very large meeting and a magnificent display of chrysanthemums. Four new names were proposed for membership. Christmas plants and flowers and materials used in Christmas work is to be our subject for the next meeting, December 1.

One hundred and sixty-three distinct varieties of named chrysanthemums were shown at our meeting and of these seventy-five varieties came from the Phipps conservatories, Schenley park. They were simply grand, with massive blossoms, fat and perfect foliage and strong, stiff stems. When we consider that every one of these flowers was grown in pots and not one planted out on benches we appreciate more and more the masterly hand of John Jones, the conservatory foreman, as a cultivator. Some of his round-headed blooms were eleven and three-fourths inches in diameter and his extended Rider Haggard flowers were half an inch larger than that. D. Fraser, of H. C. Frick's private greenhouses, sent a number of last year's new varieties, but they showed no marked advance over older sorts. Blind Brothers had fine flowers. They grow them on benches in three inches of soil, and plant them right out there in June, from the cutting bed. Goodwin Brothers, Bridgeville, Pa., had a lot of an extra vigorous form of Ivory which looked very good and the cut flower men pronounced it a great advance on the plain Ivory. The Cut Flower Co. brought examples of every variety consigned to their store. And from the railroad greenhouses at Sewickly and Mr. Wilde, at Beaver Falls, we had fine exhibits.

Our distant friends treated us most generously. F. R. Pierson Co., Tarrytown, N. Y., sent a splendid lot of the finest kind of chrysanthemums, with beautiful flower heads, stems as stiff as pokers and luxuriant foliage up to the necks of the blossoms, and they sent a letter describing these and their manner of growing them which was read in meeting. Mr. Clark, the 'mum man of the Cut Flower Co., spoke up very ardently in favor of these Pierson 'mums.

Nathan Smith & Son, Adrian, Mich., sent numerous varieties of flowers. One named Vera is a pure white pompon, very full double and of most refined and substantial appearance. Almost every man in the room wrote down its name. Nita, pink; Zenobia, yellow; Julia, red, and Alena, pink, were also



Wreath with Flowers and Green Wrapped to Frame.
(Ribbon used—no filling with sphagnum no stemming.)

good. Among the large-bloomed sorts were F. S. Vallis, pale yellow; Millicent Richardson, blood crimson, pale reverse; M. Paul Labbe, Mme. Waldeck Rosseau, Surprise, a splendid yellow seedling of theirs called Golden Age, and others.

Dr. B. F. Galloway, of the Agricultural Department, Washington, D. C., sent very interesting flowers. Among the standard sorts Col. W. J. Bryan was superb. Why don't the people grow more of this variety? It is silvery white, faintly flushed with pink inside. John Jones is a Republican but he thinks the world of Col. W. J. Bryan and grows it in quantity. Dr. Galloway also sent a large, full double, silvery white, broad flower raised by Mr. Byrnes, the head gardener at the Department. It has been named Mrs. J. M. Wilson, in compliment to the wife of the Secretary of Agriculture.

R. Vincent, Jr. & Son, of White Marsh, sent a great variety of pompon sorts from their outdoor fields, also a lot of blooms of seedlings raised by them. They very kindly sent us some notes regarding the cultivation of these flowers: "Plant out good stock from two-inch pots in early spring, in rows wide enough apart to be worked by horse-power and fourteen inches apart in the row. Lift these in fall, before they come into bloom, and place them as close together as they can stand on a bench in the

greenhouse for early flowers. For late blooms plant them in a cold frame, or anywhere where they can be protected from severe freezing."

When we opened the boxes from the E. G. Hill Company, Richmond, Ind., we stared in wonder at the beauty of the contents. They contained fourteen varieties, namely, Lord Hopetoun, S. T. Wright, Mme. Von Andre, Leila Filkins, Mme. J. H. Perraud, Mrs. Tranter, C. J. Salter, Mrs. Popham, Ben Wells, Ethel Fitzroy, Silver Queen, Australia, Mrs. T. W. Pockett and F. A. Cobbold. By actual measurement Mrs. T. W. Pockett was twelve and one-fourth inches in diameter. Mr. Hill writes: "Never before has one single season brought out such a large number of magnificent varieties. Of those sent you will easily see many of them show marked merits. Ethel Fitzroy is slightly weak in the neck, otherwise the grandest bronze we have seen. Mme. J. H. Perraud we consider very fine. Mme. Von Andre is a yellow sport of Mutual Friend. The blooms we have sent of Lord Hopetoun and S. T. Wright are only medium sized, but they show you the variety's characteristics. Australia produces flowers almost twice as large as the one sent you." PA.

Your paper is the only paper,—J. SANDSTROM, Momence, Ill.

MISCELLANEOUS SEASONABLE HINTS.



Tulips and Hyacinths.

Most of our patrons, as soon as the geraniums and cannas are gone, are anxious to get their tulips planted, and may think they are neglected if there is any delay. But really it is a mistake to plant too early. The best tulips I ever saw bloom in the spring were not planted until the end of November, and, if the weather remained open, a few weeks later would be just as well. The reason for late planting of these hardy bulbs is, I think, that when they have too long a time for root growth in the fall they flower very early in the spring, have few more roots to make and are soon exhausted, while the late planted bulbs make roots in the spring and the flowers are not only finer but continue longer.

Begonia Rex.

This once valued foliage plant seems to have gone out of favor both as an indoor decorative plant and as a plant for veranda boxes and vases in shady positions. If they still enter into your business they should be propagated just as soon as the sand in your propagating bed is warm from fire heat. If you don't propagate early you won't have plants of any size in the spring. Choose strong, well-matured leaves, but not by any means those that are about to decay. Slice them up into small pieces, say two inches long, having at the base of each piece a mid-rib, and insert in the sand half their length. In four or five weeks they will send up a small leaf and will have a bunch of roots, when they should be potted and will grow freely if the soil is light and the temperature not below 60 degrees at night.

Begonia Vernon is now established as a good bedding plant. Seed of it can be sown now or soon. The seed is very minute, so avoid sowing thickly, or the little plants will smother before you can get them transplanted. This class of begonias is most useful for many purposes.

Lily of the Valley.

Very shortly the import orders of pips of this very important florists' flower will be arriving. The man who grows 50,000 and more knows how to handle the pips, but there are many who force weekly only perhaps 500 and have not the conveniences or experience. Unpack as soon as they arrive and stand the bunches in a box an inch or two deeper than the top of the pips. If the roots are dry, dip them in water for a moment. Between each row of bunches pack some soil and cover the pips with an inch of soil. Where to store these boxes is of importance. Whether it is necessary that the pips be frozen before being brought in to force is a question I will not venture to decide, but I hardly believe it is an essential. Too much moisture in the condition they are in, with their roots packed in bunches, is known to be injurious to them; therefore the boxes should be placed in a frame and covered with sash or shutters to keep out the

rains. When very hard freezing begins four or five inches of leaves or stable litter can be thrown over them. Whatever quantity you force weekly, it is most advisable that you should have that quantity in one box, so that you know just what you are bringing in. If they should be frozen, which certainly does not hurt them, it is easy to get out a box, or may be two or three, but it is not so easy to pick out so many bunches from a box or bed. It has been advised, and doubtless is a good plan with large growers, to sort the roots on arrival, sorting out the strongest pips for early forcing and the weaker for later months, but the quality of roots we have been getting for some years we believe this would be a waste of labor, as by the tenth of January we have cut ninety per cent of good spikes. Don't attempt to force the fall imported roots before December 20; that is, don't put them in

the sand until that date. Although we have had them in flower by New Year's it is better to depend on cold storage stock until early January.

It is amusing to recall the many early theories about the forcing of this delicate flower. Sphagnum moss, crushed coke and other mediums had their advocates, with more or less success, but the correct conditions were not understood. I think it is understood that any old sand is good enough, provided the conditions are right, which are, briefly, warm sand and cool air overhead, but I hope to have more to say later on.

Forcing Iris.

A week or two ago I had something to say about Spanish iris and unfortunately I was made to say that "as they do not flower out of doors till the middle of June they would force the same as early tulips." It is evident that I meant to say they would not force. Possibly I did say so, but the printer made the omission. However, don't waste any bulbs, even if they are very cheap, in trying to get them before Easter, and if Easter is early even that may be a failure. Planted now or any time before a freeze up, they bloom out of doors with us about the middle of June and are a beautiful orchid-like flower.

WILLIAM SCOTT.

THE RETAIL FLORIST.....

DRAPERY STUDIES.

III—Fabrics and Flowers.

A floral design—we are speaking now of the word in its broadest sense—is a picture, and like other pictures needs its unity of parts and its mountings. Whatever materials are used as accessories must either become a part of the picture or a useless encumbrance. In tying a bunch of flowers with ribbon make the ribbon as much a part of the picture as is one of the flowers itself, or discard it. There are two ways by which this entire harmony may be secured—the union of coloring and the union of form.

One of the most unnecessary perplexities is trying to match flowers and ribbon. When I try to do that, I don't. The difference in texture between a fabric and a flower is accountable for the difficulty. The same color in each will appear duller in one than in the other; therefore, so far as the eye is concerned, the colors do not match. Get a harmonious color, either deeper or lighter. Within the color combination of flower and foliage find a tint or shade that will be a key to the harmony. Often a blotch or a streak or a line in either, or the hue of a stamen or pistil will be the best suggestion for coloring. It is especially difficult to find fabrics that will even harmonize with the more brilliant colors, like those found in the Joost or Lawson carnation, for instance. Their intensity and depth are unap-

proached in fabric coloring. So we turn to the foliage for help, and find it an easy task to get a light gray-green resembling the leaves. This green, by the way, will harmonize with any color of carnation. With violets the tints are much the best.

This principle of merely harmonizing, rather than trying to match colors, is helpful when the flowers are more or less off color. A rich tint of American Beauty ribbon suitable for that rose in its prime, will kill the colors which succeed each other in the fading process, and although it may be profitable financially for a florist to keep a stock of ribbon, he can never keep a large enough stock to make selections for each case.

Next to coloring, sizes and styles of ribbon ties have much to do with the appearance of bunches of flowers. As a rule small, delicate flowers should be tied with narrow ribbon, from No. 3 to No. 9. The narrower the ribbon the more is needed in cluster bows. With the use of wider ribbon decrease the number of loops.

Not only union in coloring, but a connection between the tie and the bunch adds to the taking qualities. Instead of always placing bows and ties over the stem ends of a bunch of flowers, let one long end run up through the bunch, draw a bud or two through a loop of ribbon or tie the bow on one side instead of on top. Tie with twisted bows, irregular bows, and once in a while no bows at all, just knotted ends.

Using ribbon as mounting makes a

casket sash. This design calls for about a yard of sash ribbon with a cluster of flowers on each end. Lay the sash along the top of the casket or across, with the clusters hanging. This design is illustrated herewith. An ordinary cluster of small flowers may be mounted on a sash ribbon, as shown. Fringe both ends of the ribbon and let the foliage reach the fringe.

Another use of ribbon or silk fabric is that of both tie and background, as seen in the illustration of the wreath. Using a plain, unfilled wire wreath-frame, secure one end of the silk to the frame anywhere by a hard knot, and begin to wrap the frame. After a round or two of the wrapping begin to insert the stems of the flowers. As the wrapping progresses, catch in more flowers, singly or in groups, with extra foliage, as in ordinary arrangements. When finished the piece shows the flowers growing from the drapery folds. With the remaining end of the silk make a fluffy bow. Wide soft ribbon, such as Liberty satin, or silk by the yard, is preferable for this arrangement. Where silk is used, it will require from two to three yards, according to the size of the wreath. Cut the silk in two lengthwise and gain the advantage of more wrapping.

GERTRUDE BLAIR.

VIOLETS.

Seasonable Notes.

In growing violets, as in growing all other kinds of plants, so much depends



A Casket Sash.

on the houses, on their location and exposure, on the soil, moisture, air, wa-

tering, ventilation and other details, both great and small, but too numerous to mention, that no grower, no matter how expert, can lay down any hard and fast cultural rules. After making a thorough study of this subject and following general principles the grower who is observing will find that he will be constantly learning new things, little items of one kind or another, all of which, closely observed, tend to produce the well-grown house of violets. The experience that he gets in this way leads the grower intuitively to know the needs of a house when he enters same and knows how it has been treated. And yet this may all be hard to express in words or on paper, as instruction for others to follow.

Value of Records.

In addition to the above mentioned things, while it means labor, the more complete, written records (don't trust to memory), regarding soil, fertilizers, size of clumps or crowns, time of planting, weather, comparison of houses treated differently, etc., etc., the grower makes, the more he learns that is not guess work, and the better prepared he is for the next season's labor. And I would add that he will be astonished often, in more than one way, on consulting these same records.

One thing we are thoroughly convinced of is that the atmosphere has much to do with successful violet growing, despite all our care. Now, if you keep a daily record of blooms cut, also of each kind, and if possible of each house separately, you will probably find, on looking it over at the end of the season, that it would pay you better to grow more of one kind and less of another. You will find that the one kind gives you more flowers than the other; that it likes your soil and general treatment better; that you succeeded in having a larger crop on at holidays, when you especially wanted them. All these things are little items and often seem like too much bother, and yet it is just these things, properly done, that may keep you from caring for a house from year to year that is yielding little or no profit, but which with corrections could be made to pay handsomely.

Soft Growth.

Of course there are always some conditions that cannot be entirely overcome, only modified as far as possible. Take our weather lately, for instance; while it was delightful and good in many ways, yet do your best and you could not keep your violet houses as cool as you would like, with the result that it brought on the blooms fast when you did not wish many, and also caused the plants to push out a new, soft growth, at the expense of later buds, growth that will not be properly hardened up when it is suddenly overtaken by cold, wet, stormy fall and winter weather, checking it quickly and making it extremely susceptible to disease, if so be there is any lurking around. Naturally spot, etc., is much less liable to be about and able to spread if, as I have before mentioned, the houses are kept scrupulously clean and well dusted with air-slaked lime.

Sow Bugs.

It is likely that you have been attending to the poison for the sow bugs. However, because you have lowered their census, do not flatter yourself that you

have exterminated them, for if you look carefully you will probably find a few left, enough in a comparatively short time to make a good showing again. So it is desirable to hunt up here and there the spots where there are some sow bugs



Casket Cluster Mounted on Ribbon.

and spread another banquet for their benefit. It also costs less to feast a few than it does to have to set a large table.

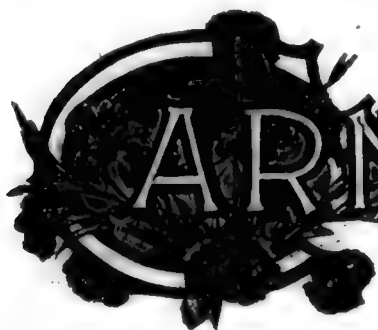
Inspect the Piping.

It might not be amiss to suggest, if you have not already attended to it, that it is well, while this nice weather lasts, to look over your heating arrangements which you will have to use later and avoid finding out when you have to fire up that the boiler and pipes need some repairs which may then prove much more expensive to make. It is well, if the water has become lowered in the system, to first fill it full, then go regularly over every joint in the pipes and boiler and see that they are perfectly tight and secure in every respect, that there are no sags or breaks in the supports that have thus thrown a strain on joints which, if they have not yet yielded, may be nearly ready to do so. Take particular care, if the pipes go through walls or floors, for here you will

frequently find, even in the best of buildings, a little settling that may be throwing a great deal of strain on the pipes and may cause them to give way at a most inconvenient season. Look to the joints entering boilers, as this is one of the worst places in the system, especially if you use wrought pipe. If you do don't be afraid to use hammer and cold chisel freely here, to see if the

threads are not nearly rusted through. Even if you find everything secure it is always well to drain off all the water, washing out the pipes and boiler thoroughly, filling again with fresh water. You will be astonished, if you have never had your attention called to it, how much better fresh, clean water heats up than old, stale, muddy water.

R. E. SHUPHELT.



CARNATIONS

CARNATION NOTES—WEST.

Seasonable Treatment.

We have had several nights the past week with the mercury down to 20 degrees and for some time we have needed fire every night to keep up the proper temperature in the houses. After the plants come into bloom in good shape it pays well to keep up a regular temperature. While the plants are making their fall growth and before the buds have attained any size an occasional drop to 40 degrees does very little if any harm. But after the crop is on and you really need the blooms (and quality of course counts) you want no split calyxes, and there is also less danger of disease in a dry atmosphere than if the houses get damp and stagnant every night.

The days are getting shorter and the sun weaker and there is much more moisture in the air than there is earlier, when the sun is stronger and the days longer. Let the fireman get up steam every night and if it is necessary (to keep the temperature down) let him raise the ventilators an inch or two. There may be some nights when it will be quite warm and on such occasions he should at least run the steam around every hour or two, just to keep the air dry. But on every possible occasion have the ventilators up a little.

Perhaps I am somewhat of a crank on the fresh air question, but I have found by experience that you never injure your carnations with too much air as long as the temperature is at the proper point, while you certainly can make your carnations soft and spindling by keeping a close, damp atmosphere. Especially at this time of the year you should do all you possibly can to induce a sturdy hardy growth.

You must be more careful in your watering, too, now. Watch for dry spots wherever the heating pipes come close to the bench. If the pipes are below, the soil may dry out at the bottom first and you must dig down to the bottom occasionally. The south side of the bed is also apt to dry out quicker on bright days and more frequent watering will be needed. In fact, you should exercise the utmost care in your watering, as a few days of carelessness are liable to cause you much loss and vexation.

We do not syringe so much from now on, as we are liable to have a rainy spell any time. If your plants are free from red spider, which they ought to be, you

will be able to keep them so by syringing about once each week. If the days are very warm, and the plants seem to suffer, a very light spraying about eleven o'clock will help them materially. Don't wet down the walks any more, as they may not dry out again by nightfall. When you water, do it as early in the day as possible, as you are sure to wet the walks some while watering, and the surface of the beds will also dry off some, besides giving the plants the benefit of the water when the sun is the warmest.

Mr. Osborn gave us a good article on packing carnation blooms, and I want to say "ditto." Let me also add that if you can pack all your carnations without bunching them it will pay you.

A. F. J. BAUR.

CARNATION NOTES—EAST.

Keeping Qualities.

The keeping quality of a carnation bloom has much to do in determining its value and, as stated last week, it depends on the grower's method of handling. It is important that they be taken from the plant with a sharp knife, making a clean cut. No mangling or crushing of the stem tissue should occur, as this seriously affects the stem's capacity to conduct water. Early morning is the ideal time, although during cold weather or on cloudy days, cutting late in the afternoon cannot be said to be inadvisable. The main thing to avoid is cutting when the sun is exerting its direct influence on the plants.

Vases previously filled with fresh water and distributed about the house for immediate reception of the bloom, will save time and reduce the chances of the cut ends becoming seared over through drying of exuding sap. The importance of getting blooms into water as soon as possible after cutting cannot be overestimated and to this end I would select grades when cutting rather than cut everything as it comes and grade afterwards. This plan saves extra handling and reduces the liability of broken stems and muddled flowers.

When fifty blooms have been cut, place at once in water and one cause of sleepy blooms will have been obviated. Vases should be of such depth as will allow at least two-thirds of the stem to stand in water and the vases ought to be thoroughly washed inside every week, using a few drops of ammonia in the water.

It is better to err a little on the side of cutting somewhat underdeveloped than to allow blooms to stand until that stage is reached where the pollen is ripe

and necessary handling will induce self-pollenization. A flower cut when three-quarters blown and placed in water for twelve hours will be in prime condition to ship and reach the retailer in shape to be a source of profit to him, a delight to the customer and a pleasant reflection on the grower.

Never cut blooms from plants suffering from dryness at the root, or that from any cause appear wilted. In the vases use water having a temperature of about 60 degrees and as soon as filled with bloom place in a room where the thermometer is not over 55 degrees, but which will fall not lower than 45 degrees. By a room is not meant a close, stuffy cupboard or an artificially cooled receptacle, but a room in which the air is constantly changed without exposing the flowers to any strong draughts and where direct sunlight is shut out, but not so completely as to produce pitch darkness, as the flowers favor a certain amount of light in expanding after being cut and this leads me to caution against crowding too many blooms in a vase.

Chemical Manures.

Blooms grown under right conditions will keep longer than if produced in too high temperature or on plants overfed or watered, for as wrong conditions weaken the plant it must follow that the product, be it cuttings or bloom, will be inferior. The use of prepared chemical manures is risky business in the hand of the average grower, not because he is ignorant of his plants' needs or does not know the effect of certain chemicals, but, being in the dark as to their ingredients, he is unable to determine the quantity suited to his particular soil, not only at the first application, but at the second and succeeding ones, when perhaps a larger or smaller quantity is needed to maintain the proper proportions of nitrogen, potassium and phosphorus. On the whole I would class chemical manures as stimulants useful perhaps near the end of the season, when propagation is long past and circumstances demand quantities of low grade flowers. GEO. S. OSBORN.

ROSES.

As the holidays draw near there is always more or less nervous anxiety on the part of the grower, dreading that he will not be on time with a good cut for that occasion, and this nervousness is not confined to the young and inexperienced, many of the older hands being annual victims. If the weather remains clear and bright for a few days they regain their confidence, but just as soon as dark weather returns they resume their azure disposition, making themselves and every one else as miserable as possible.

In this frame of mind a grower is more liable to commit an error of judgment than he otherwise would be. If crops are seemingly tardy, good judgment will have to be exercised before any increase of temperature is resorted to. Remember that if wood and foliage get into a soft condition at this season there is little hope for recuperation before spring, and any check to root action means weak, debilitated wood for next crop, and as our customers require blooms after the holidays are over, when they are even more critical as to quality, the necessity for caution is apparent.

The grower who makes the health of his stock his first study is very conservative when it is a question of hastening a crop. He is from long experience alive



Arthur Herrington, President Chrysanthemum Society of America.
(Re-elected for a fourth term at New York, November 11, 1903.)

to the fact that stock at that season can by a night or two at an increased temperature be so reduced in vitality that the future crop may be endangered.

Crops which require a little pushing should have a gentle stimulant in the form of liquid manure, with a little nitrate of potash added, and this must be, to begin with, about half the usual strength. If the weather is bright an increase of 5 or 6 degrees during the day is more preferable to raising the night temperature.

Since my connection with THE REVIEW I have noted that about three weeks after holiday time letters began to pour in about trouble with stock. They are mostly in the same vein, stock having been good or fair up till that season, when suddenly everything seemed to go wrong; leaves became thin and lose color, eventually dropping off; the young growths are sickly and unfit to bear a crop, and the grower has his hands full of trouble the rest of the season.

If a rise of temperature at night is determined on this should not be obtained by closing the ventilators tight, but by turning on more pipes, as this is the most frequent cause of these conditions just described.

A carefully apportioned supply of manure water will now have a beneficial effect, but great care must be exercised not to use it when the soil in the bench is dry, nor to apply it when the bench is too wet, as any approach to saturation will cause a decided check to root action.

Select bright, sunny days for this operation and the plants will show by their increased vigor crispness of foliage and wiriness of stem how much they appreciate your intelligent care. RIBES.

THE C. S. A. MEETING.

There was a large and enthusiastic business meeting of the Chrysanthemum Society of America on Wednesday afternoon. Arthur Herrington was re-elected to the presidency for the third time. Elmer D. Smith was elected vice-president, and Secretary F. H. Lemon and Treasurer J. N. May were re-elected. Professor George E. Stone lectured on "The Diseases of the Chrysanthemum." In the evening a banquet was tendered to Mr. Herrington.

PRESIDENT HERRINGTON'S ADDRESS.

The following is the address of President A. Herrington, read at the C. S. A. meeting in New York Wednesday afternoon, November 11:

A year ago, in Chicago, in first convention assembled, we reviewed the past so far as it pertained to the work of the Chrysanthemum Society of America from its inception, took a careful survey of our position as a national society and imbued with enthusiasm by the support accorded that meeting, resolved that its annual fixity was from henceforth an assured fact.

A desire long cherished in the minds of many had at last been consummated,

and the consummation was justified by the results attained, as shown then in the general interest manifested in the society's work, and since by a large addition to its roll of membership.

In all undertakings diligence in the advocacy of aim and object is usually a stepping stone to recognition, and a well-directed effort to give a larger national significance to the work of the Chrysanthemum Society has already met with such marked encouragement and responsive support as to justify the belief that there is a bright and useful future assured the society.

The general interest in the chrysanthemum is well sustained, and there is no apparent reason for any abatement thereof in a flower of such inherent variability. If "variety is the spice of life," how richly endowed with this particular trait is the life and history and the unknown future development of the flower for which we stand as sponsors, endeavoring to obtain for it a larger measure of popularity, exceeding even that which it receives today.

Coincident with this, in fact a necessity toward its attainments, is the organized effort for which the society exists, and dealing with a subject so comprehensive, so rich in latent charm, it behooves us to rise equal to the exigencies of our day, to pursue our aims diligently and thoroughly, to keep a careful record of what American growers have done in the past, to see that the trend of the present efforts are upwardly progressive, and to foster future development along all possible lines, so that more and more the chrysanthemum may become a people's flower, a flower for the amateur as well as for the professional florist and the wealthy owner of a finely-equipped estate employing a skilled gardener.

Giving honor to whom honor is due, we must admit, professional men, florists and gardeners have been the pioneer workers in the chrysanthemum field, and that they, too, were the organizers, and are today the main support of the society, as they saw concerted effort materially enhanced progress. It should be the ambition of us all to work for a broader development, and our society can only be truly national in its work by taking cognizance of all types of the flower, of all conditions of culture, thus centering in itself, and work, the interest, and commanding the support of chrysanthemum lovers, professional and amateur, of the greenhouse and the open air.

The thoughts herein expressed are perhaps a repetition of those uttered a year ago, and are intentionally repeated in the hope that other minds will deliberate upon them, as it must in truth be admitted we cannot ignore any part or aspect of the work to which we are committed. Where we lead others will follow, and a generous co-operation is assured to us. We have ample evidence of this, as demonstrated by the united effort that has culminated in the grand exhibition amassed to celebrate this occasion. When the invitation of the American Institute of New York was accepted your president, on behalf of the Chrysanthemum Society, visited a number of the local societies and invited them to co-operate. How generous was the response! Is it not cause for congratulation that the substantial provision made by the American Institute has been supplemented by contributory

exhibits from ten other separate horticultural societies all uniting in the common desire to make this exhibition worthy of the occasion, to honor the national society?

Encouraging Exhibitions.

In so far as the organizing of chrysanthemum exhibitions is concerned there is little for us to do; they are amply provided for, but would it not be wise to devise some means to further encourage them with suitable awards, such as a medal or some suitable token that would carry with it the prestige of being a national award? This idea, too, was suggested a year ago. The time for action is here, and now that we are in convention assembled.

Advancing Society Interests.

It would be well, also, that we should give some thought to ways and means toward improving our organization. We should now be in a position to think and act intelligently along these lines, as the constitution and by-laws of the society, heretofore only available in the original typewritten copy, were ordered to be printed in the proceedings of our Chicago meeting, and they will be found on pages 27-8-9 of that publication, a copy of which has been sent to all members.

A careful perusal of the constitution reveals the fact that we have a reserve of available executive force that has never yet been brought into action. Article IV entitles us to have district vice-presidents for seven specified districts. Let us call out the reserves, and given men in sympathy with the cause, what a fertile field of missionary work these districts should prove! As a means toward securing a large aggregation of membership probably none better could be devised.

Some amendments are needed also to adapt our laws to present conditions of the society's work. One instance only need be cited, that of the committees that for a long time have been doing such admirable work annually in passing judgment upon the novelties submitted to them. These irregularities could probably be best rectified by the appointment of a committee to revise the constitution and by-laws and submit its recommendations in accordance with Article IX.

The record of the proceedings of the society, as published, has already been alluded to. It is a valuable compendium of information, containing that remarkably comprehensive series of papers submitted at the Chicago meeting, and which, if justly appraised, more than compensates for the cost of membership. It was, by motion, ordered to also incorporate in this publication a record of all new chrysanthemums introduced in America since 1880, Elmer D. Smith having tendered the society the use of his records. No adequate provision, however, was made for the copying of the valuable records that are in Mr. Smith's possession, and which obviously will involve quite some time and labor to classify, compile and make ready for printing. Action should be taken at this meeting and authority granted providing ways and means for the preparation of this important matter for publication in our next volume. Not alone do we need to have this information available for ready refer-

ence; our continental co-workers are also anxious we should publish it.

A Chrysanthemum Year Book.

A subject worthy of thought is how we may enhance the interest and the resultant practical value of our annual publication so as to make it sought after, to make it a means of bringing into and keeping within the fold of membership those members—and there might be hundreds of them—that are prevented or are unable to attend the annual meetings. Could we not enlarge the scope of our publication; make it a Chrysanthemum Year Book, and therein review the season of the flower, enumerate the new ones as they appear, and describe them in a few terse but readable articles that would tell more, and with better effect, than the conventional catalogue descriptions? Even work of this character is directly in line with our object, and can be better done by our society than by the average individual. We extol the fact that the literature of the chrysanthemum surpasses that of any other flower. Do we not, then, owe it to those who shall come after that the record of our time shall be handed down complete and unimpaired?

Creation of Special Committees.

It is easy to be critical, to say here and there are vulnerable points of attack. The defensive part is the harder part, and calls for the exercise of a careful discrimination in laying out an aggressive policy. We assemble but once a year, and time is too limited for great accomplishments involving a mass of detail. A way suggests itself, however, in which, if we could agree upon the desirability of diligently prosecuting certain lines of work, to create special committees to carry on the work deputed to them between our annual sessions. This would conduce to rapidity of progress and show in our annual reports a larger measure of attained results.

Retrospective.

In this city in August, 1900, I for the first time attended a meeting of the faithful few who for a decade had held the society true to active purpose, confident in the belief there was a need for it to be, though general apathy discouraged their efforts. The election of officers brought to me the responsibility of directing its affairs. From that moment one hope was dominant—the hope that ways and means might be found to establish a closer community of interest between the work and the workers; the hope that the society might meet in association with some important exhibition and thus better fulfill its mission.

The Horticultural Society of Chicago provided the first opportunity, and its noble effort has been ably seconded by the American Institute of New York, with ten other societies co-operating. In Chicago, contrary to his personal wishes, you saw fit to continue your president in office, one member quoting the old adage as to its being unwise to "swap horses in crossing a stream." To-day we have more than crossed the stream; we are assuredly on high, dry ground, for how otherwise could such a fire of enthusiasm be kindled as enlivened the scene of action to-day?

For your warm encouragement, hearty

assistance and patient toleration thanks is tendered, coupled with the wish that you will all unite in upholding others with the same cordial support you have given those in whom past authority and responsibility have been vested, and so individually and collectively ensure for the Chrysanthemum Society of America a lasting and progressive future.

NEW YORK.

The Market.

The markets for cut flowers and for stocks go hand in hand; more and more is demonstrated the melancholy fact that Wall street dominates the flower business in New York and prosperity in the financial center means success for the florists' trade. A killing frost and the return of the "150" may lift a little of the incubus from the back of the market, but a recurrence of old time progress seems an impossibility until the bears are skinned in the financial district and public confidence is restored. The men who spend money for luxuries are not earning their salt.

Club Meeting.

The best meeting of the New York Florists' Club in a decade was held on Monday evening. An attendance of over fifty of the leading members attested the interest in the flower show, the readings of Alex. Wallace and the fine exhibits of flowers and plants and the visits of Presidents Breitmeyer and Rackham and other notables. It was a meeting long to be remembered and the utmost cordiality and enthusiasm prevailed.

Mr. Traendly's report showed a balance of \$16 profit from the outing last summer, which the club donated, with a collection of some \$40 or more to H. Schweitzer, of Mendota, Ill. Messrs. Dugan, Palmer, Muller, Scene and Miller were elected members of the club, and Lyman B. Crow, of Lord & Burnham, was proposed for membership. Mr. Sheridan read the report of the nominating committee, and the following names were suggested for the various offices in 1904: For president, J. H. Troy, John Burnie and W. H. Siebrecht; for vice-president, F. H. Traendly, W. B. Durie, William Duckham; for secretary, John Young, L. W. Wheeler, Jos. Manda, Jr.; for treasurer, C. B. Weathered, Lawrence Haffner, S. C. Nash; for trustees, John Morris, Alex. Wallace, A. L. Miller, J. B. Nugent, Theo. Lang, William Elliott.

Messrs. Breitmeyer, Rackham, Crowe and Smith occupied seats on the rostrum with the president during the address and readings of Mr. Wallace, for which he received a vote of thanks. The new roses exhibited by Messrs. Breitmeyer and May and the new fern Scotti, by John Scott, were much admired and the committee on awards rendered most complimentary reports and gave Mr. Scott a certificate of merit. The rules of the club make this impossible with the rose until a committee appointed by the club shall see the roses growing. Mr. Scott's fern, a sport from the Boston, is remarkably graceful and compact, and will undoubtedly prove a valuable commercial acquisition.

President Breitmeyer gave an interesting address, expressing his pleasure at being present and meeting so many of his friends, and attesting to their loyalty at Milwaukee. He complimented the

club on its fine attendance, its beautiful hall and the good feeling so evident, making in conclusion a short plea for co-operation in furthering the interests of the S. A. F.

President Rackham enjoyed his first visit to any florists' club outside of his home town, Detroit, and dwelt eloquently upon the coming carnation convention in March and tendered a hearty invitation to all to come and enjoy it. He promised the largest and most comprehensive premium list ever offered.

Elmer Smith and Peter Crowe gave interesting addresses and the meeting closed with mutual congratulations and evident faith in the triumph of the great 'mum exhibition to which the balance of the week will be devoted. Everything at this writing indicates a success far beyond the general expectations.

The advance guard of invaders arrived on Monday in New York, President Breitmeyer and President Rackham, of Detroit; Elmer D. Smith, of Adrian, and Peter Crowe, of Utica.

The Kurzman-Dacre Co. had a fine decoration on Monday evening at Delmonico's, the annual alumni dinner of the British university graduates living in New York.

Some of the retailers are still busy with weddings, banquets and out of town festivities. Thomas Young, Jr., had a big wedding last week at Goshen. McConnell cared for the interests of the Olney-Mitchell union in Harlem, and Hodgson on Tuesday catered to royalty at the nuptials of Miss Goelet and the Duke.

The ribbon house of Schloss Bros. has had a fine trade since the convention and report an increasing demand for their novelties. The orders for Thanksgiving come from all sections of the country.

Sigmund Geller opened his factory at 133 W. Twenty-eighth street last week for the manufacture of florists' supplies. Mr. Geller reports a fine demand this fall.

The pioneer house of J. K. Allen maintains its reputation for extensive out-of-town shipments and early attention to its customers. Six in the morning finds "J. K." on deck, ready for business, 365 days in the year.

A. H. Langjahr extends the courtesies of his office conveniences to all horticultural visitors to the metropolis.

John N. May and wife, of St. Paul, are visiting New York. Mr. May has been in the employ of his uncle, L. L. May, for many years.

The shipments of violets and American Beauties to Walter Sheridan continue in a flood, but the quality of the stock maintains its reputation.

Charles Millang has taken a long lease of the whole building at 50 West Twenty-ninth street, and contemplates extensive improvements. He will put in a new steam boiler, extend his greenhouse to the limit of his room and use the present glass as an adjunct to his cut flower department.

James McManus has developed a fine orchid demand during the past year, shipping daily to the large cities and receiving consignments from many of the large private estates, as well as the regular growers.

Ralph M. Ward & Co. is the name of a new exporting and importing house at 17 Battery place. Mr. Ward has lately been a partner with Hagemann & Co. He has with him C. Wayne Ward and J. H. Thomas. J. AUSTIN SHAW.

ST. LOUIS.

The Market.

The market here the past week was still in a very much overcrowded condition. The weather has been ideal but the demand for cut flowers is very unsteady at the retail stores. The wholesale florists are not in the best of humor, as the abundance of chrysanthemum blooms has forced prices on everything else down to the lowest limit. Chrysanthemums themselves are cheaper than ever before and good large blooms can be bought at \$2 per dozen and \$15 in hundred lots. Appleton, Mrs. Perrin, Robinson and Ivory are among the best sellers just now. Some extra fine Timothy Eaton are promised for this week and a fine lot of Jerome Jones and Major Bonnaffon are in today, which are really fine and bringing top price, \$2.50 per dozen.

In roses the same conditions prevail, except in the case of a little extra fancy stock, which is selling at what it is really worth. Brides, Bridesmaids and Meteors of good quality are selling at 75 cents per 100 and cheaper in 1,000 lots. American Beauties are not quite so bad and the price is kept up on first quality stock. These are not what you would call over-plentiful, still enough for the demand.

Carnations are also suffering for want of demand and some good stock is going to waste. The street fakir is making his own price on these and the store men are buying only the best at \$1 and \$1.50 per 100. Gov. Wolcott is the best white and E. Crocker the best pink, with a few good Crane for red.

Violets the past week had to suffer from the warm weather and the demand was light, with the supply fairly plentiful at 35 cents and 50 cents per 100. Lily of the valley is still selling well, with the supply somewhat limited; \$4 and \$5 is the price now. A few callas and Paper Whites are in but not enough to quote prices. All green had a good demand, especially smilax.

Various Notes.

George W. Goldner, representing Reed & Keller, of New York, was with us the past week. Mr. Goldner reports that he is meeting with good success in florists' supplies of all kinds.

Miss Belle Miller, of Springfield, Ill., was a visitor the past week, calling on the trade and friends about town.

The Koenig Floral Co. place at North St. Louis is making a fine show of pot chrysanthemums. Among them are some of the best varieties, such as Appleton, Robinson and Mrs Perrin, which are looking fine and selling well.

At Meinhardts', a little north of Koenig's, they are also making a good show of potted chrysanthemums and choice cut flowers of all kinds. Fred reports trade as very good in all lines.

C. Young & Sons Co. is making a fine exhibition of chrysanthemums at the store on Olive street. John Young reports business brisk in the bulb line.

Grimm & Gorley are sporting a fine new delivery wagon. They furnished the decorations for the opening of a large department store in their neighborhood in which a big lot of wild smilax was used and a fine lot of plants.

Early Saturday morning the orchid house at Shaw's Garden was partly destroyed by fire. The loss is estimated at \$1,000 and a great many of the fine plants suffered very much from smoke

and heat. Superintendent H. C. Irish and a large force of men worked hard to save the other houses, which they finally did.

Ostertag Bros. made a very fine decoration at Faust's for horse show week. Henry reports that they used a big lot of stock of all kinds and it made one of the prettiest decorations seen for a long time at a place of this kind.

Some very pretty horse show decorations were made in the show windows of the local florists. Among the best were those of the Ellison Floral Co., at Grand and Olive streets, Miss Newman and Miss T. Badaracco. All business houses down town were decorated with horse show colors, green and white, in which a good many white pot chrysanthemums were used.

Philip Breitmeyer, of Detroit, in a letter has promised the local club an exhibition of the new rose for its meeting next week. Baur & Smith, of Indianapolis, will send a bunch of their new carnation, Indianapolis. James Hartshorne will try to send a few of Fiancee and all of them will be looked for with interest by the members of the club.

F. W. Maas, of the St. Louis Seed Co., was made happy the past week by the arrival of a twelve-pounder at his home. Mother and child are doing nicely.

The St. Louis bowlers congratulate the Chicago Florists' Bowling Club on its selection of George Asmus as its president. A better selection could not have been made.

Bowling.

The bowlers rolled three games on Monday night, and a few good scores were made, which were as follows:

Player.	1st.	2d.	3d.	T'l.
C. A. Kuehn.....	170	211	129	500
J. J. Beneke	172	156	171	499
F. C. Weber	162	169	141	472
F. M. Ellis	162	134	137	433
John Young	127	137	130	394
F. J. Meinhardt	143	143	132	418
Theo. Miller	129	153	102	384
Fred Weber		142	106	268
Oscar Beneke	102	98	149	341

Friday night this week the florists' team will bowl the Belleville Club at the Blue Ribbon alleys. The team selected to bowl is made up of Kuehn, Beyer, Miller, Guy and Beneke.

J. J. B.

INDIANAPOLIS, IND.

Mrs. William Billingsley died of fever November 8 at her home. The remains were taken to her former home in New York state for interment. Her death came as a great surprise to her many friends in the craft, as she had not been ill long and was supposed to be improving since the day of the crisis. Several members of the craft sent floral pieces, but many heard the sad news too late to send anything. Mr. Billingsley has the sympathy of the craft in his bereavement.

A. B.

WE like the REVIEW better than ever and would not want to do without it—WM. DYER, Three Rivers, Mich.

THE beautiful picture on the title page of this issue is from a copyrighted photograph posed by C. H. Anderson, artist of the Elite Photographic Studio, San Francisco, Cal., and is used by the courtesy of Paul Lotz, proprietor.

FLINT, MICH.—B. Hasselbring has completed five modern greenhouses, 30 x140, and installed two eighty horse-power boilers. This gives him a fine plant of 50,000 square feet of glass.

CHICAGO.**The Market.**

Very large quantities of stock are being moved daily, but the market lacks the tone which it was hoped the frosty weather would give and the low grades are affording a good deal of trouble. Supplies are adequate all along the line, the cuts of Beauties even being equal to the demand. There are plenty of Brides and Maids, although not too many extra select, and Tuesday began to see another accumulation, almost before last week's lot had been worked off or dumped. Chatenay and Sunrise are abundant and good. Meteor is plentiful, but mostly bull-headed, but Liberty is in good shape and very plentiful, especially short-stemmed.

Carnations are very good indeed and there are enough for all needs. Chrysanthemums are not coming in so heavily as a few days ago but there are still more than can be moved at satisfactory figures. It is undoubted that the returns on 'mums this season are less than ever before in this market and Flint Kennicott says he thinks it is largely accounted for by the failure to hold a flower show to awaken public interest in the queen of autumn. Violets, valley and all the miscellaneous items of stock are abundant, including green goods.

Partnership Dissolved.

Peter Reinberg and Peter Weiland have dissolved partnership in the business at New Castle, Ind., and papers have been signed which will put the latter in full possession of the plant July 1, 1904. In the meantime each will operate one-half of the establishment, which consists of ten houses 300 feet long, a total of 90,000 feet of glass, half of which is devoted to Beauties and the whole place in very good shape. Mr. Weiland will send his cut to E. C. Ameling.

Various Notes.

On Sunday afternoon fire destroyed three greenhouses, several buildings and a tract of four square blocks of nursery stock at Graceland cemetery, the loss being estimated at \$50,000.

Frank Garland cut Paper White narcissi on November 10. He has Harrisii a foot high and 15,000 bulbs potted up. He is forcing 112,000 Dutch bulbs and about 75,000 Paper Whites.

L. Coatsworth is visiting at his old home in Canada and enjoying a little good shooting.

Louis Gresenz, of Bassett & Washburn's, is happy over the safe arrival of a daughter, November 6.

Leonard Kill was at New Castle Tuesday and says all the growers have fine stock there. All the Beauties are good and Benthley's tea roses something out of the ordinary.

Mrs. A. C. Kohlbrand underwent a surgical operation at the West Side hospital November 4, and is now recuperating nicely.

C. M. Dickinson has been on the sick list for the past few days.

Peter Reinberg is at Effingham, Ill., with County Commissioner Flannigan, for ten days with the quail.

Mrs. Katherine Muno, the oldest resident of Rogers Park, died November 8, aged 91 years. She was an aunt of John Muno.

Gunnar Teilmann is sending in some very fine blooms of Lavender Queen chrysanthemum.

There are very good showings of chrysanthemums at all the parks.

Don't forget the flower show at the Atlas block next Tuesday and the supper to follow. Every man in the trade should be there.

Visitors: H. W. Buckbee, Rockford, Ill.; A. C. Beal, Urbana, Ill.; E. J. Finney, Goshen, Ind.

PHILADELPHIA.**The Market.**

There is an awful glut of stuff in the market, with only fair business. Chrysanthemums are much overdone, also Beauties; in fact, all roses. Last week ended badly. Saturday brought a brisk demand for crimson and red and blue flowers for the big football game. H. H. Battles was especially busy for this occasion. A temporary rush of insanity, it was aptly styled. Gimbel Bros., continuing their show this week, helped matters somewhat. This firm, by the way, claims that over 100,000 people saw their show last Saturday. The funeral of Wm. L. Elkins on Tuesday, caused considerable demand for choice Ivory chrysanthemums, valley, etc. The Pennsylvania Society's annual fall show had a good effect on the demand for the queen of autumn.

Notes.

It is my melancholy duty to take a cipher off the very fine chrysanthemum order mentioned last week. It should have read 1,600. Now, lovely proof-reader, it may be nothing to you to demurely add a naught to my figures, but pray forbear or the town will be too hot for Phil.

Carl Jurgens, Jr., Newport, R. I., was in this city last month. This firm ships great quantities of valley and later in the season many varieties of bulbous flowers to Leo Niessen.

John C. Gracey held an opening on Friday of last week at his new store, 2034 Columbia avenue. The store is one of the finest in the city, affording ample opportunity for display. Many visitors crowded the place and all received souvenirs.

Charles H. Fox will open a new store at Broad and Sansom streets, it is understood, on Monday next.

Wm. J. Young, Jr., has turned the end of a greenhouse adjoining his office, into a tastefully arranged conservatory, filled with palms, ferns and flowering plants. It should prove an object lesson to his customers.

The Germantown Horticultural Society held its November meeting last Monday evening. There was a good attendance and a pretty display. N. Dubois Miller gave an interesting talk on an amateur's observations of the season.

The Henry A. Dreer Co. has sent out an immense quantity of its new golden pandanus. So well has this variety been propagated that they are still offering some of each size.

Robert Crawford, Jr., is at his post bright and smiling, showing visitors about his beautiful store.

The Florists' Club held a joyous smoker last Wednesday and many visitors were present. By the way, I am informed that plan of prepaying was not passed last week, but will be voted on next month.

Henry F. Michell Co. has good exhibits at all the local shows this week.

Joseph Heacock has a fine lot of 10-

inch arecas on his palm factory at Wynecote.

The Philadelphia Carnation Co. is sending in some nice blooms of Enchantress and other fancy carnations. Their large mushroom plant is expected to be in crop early next month.

Edwin Lonsdale has been over in New York this week judging the chrysanthemum society's show there.

The Flower Market.

The following letter sent by President Heacock to the stockholders of the Market is self-explanatory. The account given last week was based on the opinion for which the special meeting was called and it was believed would be accepted by the present management:

At a special meeting of the stockholders of the Philadelphia Wholesale Flower Market, held Nov. 3, called to take action on the proposed amendments to the by-laws, 430 shares being represented out of a total issue of 595 shares, the amendment to article 1, section 7, to change the beginning of the fiscal year to July 1, was carried unanimously. This section will now read: "The fiscal year of this company be, and it is hereby fixed to commence on the first day of July of each year, and to close on the thirtieth day of June."

The second amendment, proposing that condition 1, section 1, of article IV, reading, "No stockholder in this corporation shall hold, own, or be entitled to vote on more than fifty shares of said capital stock," be stricken out. The tellers reported that there were 367 shares voted in favor of this amendment, and 60 shares voted against the amendment. The president decided the amendment carried.

This notice is sent in pursuance of section I, article VIII, which says, "A copy of such amended by-law shall be sent to each stockholder within ten days after the adoption of same."

PHIL.

PITTSBURG.**The Market.**

The cut flower business last week was fairly good, but not brisk enough to use up the supply of stock. Chrysanthemums are very numerous and of course they are the leading feature in the market just now. First-class blooms can be bought at \$8 per hundred, a few blooms of fancy grade bring \$3 per dozen, but they are choice. Weak-necked stock has no value at all and is a drug on the market. A less number of pink chrysanthemums are grown in this vicinity this season, for what reason I am unable to state, but I am informed there is a demand for more than the supply.

American Beauties are more than abundant and hard to move at fair prices. Specials and extra grades are the best sellers. Medium and short-stemmed are sold as low as \$2 per hundred. In tea roses there was no selling pressure, and at the same time no aggressive buying; specials and extras find ready sale, but first and seconds are a glut. Carnations of the fancy sort are more plentiful and are offered at \$2 per hundred. Some fancy Lawsons brought \$3. Violets continue plentiful and find a light demand.

Various Notes.

Geddis & Blind Brothers, Ltd., opened up for business last week.

E. C. Ludwig made up a large "gates ajar" from immortelles and artificial flowers, which was shipped to Scotland.

Randolph & McClements are keeping a number of men busy out doors, planting bulbs and herbaceous plants.

Patrick Maier, who succeeded Charles Koenig, is busy planting bulbs for forcing.

The Pittsburg Cut Flower Co. is dis-

playing holiday material and supplies of new and pretty design.

F. Brittenbaugh & Bros. were busy with funeral work last week.

John Baldinger, who met with such a painful accident last week, is slowly improving.

W. B. Ague has opened a store in the Mohler building, Penn and Negley avenues, East End.

Visitors: P. J. Watson; representing S. S. Pennock, Philadelphia; B. Eschner, of M. Rice & Co., Philadelphia, and M. Beers, New York.

Club Notes.

If you were absent from the last meeting of the Florists' Club you missed one of the best shows of chrysanthemums ever held here. Our indefatigable president, Wm. Falconer, secured all the new and late varieties of chrysanthemums. Every bloom was taken up singly and its merits thoroughly discussed. Enthusiasm was shown until the last bloom was inspected. The meeting was the best attended one we have had for some time and four new names were proposed. These meetings, much better called a school of floriculture and horticulture, with Mr. Falconer as quiz-master, are invaluable and not a meeting should be missed. I hope that every member of the club will attend the next meeting, December 1, and bring his friends. Christmas material is the subject. Some of the old time boys, Wm. Clarke, L. I. Neff, Samuel McClements, Julius Ludwig and E. B. Ludwig will give practical demonstrations of uses. Hoo-Hoo.

CINCINNATI.

The Market.

The past week brought the largest business of the season. The demand was far above expectations and even short stemmed roses sold well. This week is starting off much in the same fashion. All retailers seem to be doing a very good business. The demand for chrysanthemums has continued since All Saints' day and good prices continue, although the supply of large blooms has greatly increased. The sudden cold spell cut down the supply of roses and this in a way helped sustain the mum market. Col. Appletons are now almost cut out and we are sorry to see this grand sort go, notwithstanding that a certain per cent come malformed. Bonnaffon is now coming well and as yet there is no yellow to take its place. In whites Silver Wedding has been the best so far. Chadwick will soon be coming and if it is in anything like last year's form, it will be hard to find a better. It ranks right up with Appleton. Very few Eatons have made their appearance, and it is just as well, as aside from its large size this mum has very few points that commends itself to the trade. At present there is a very heavy demand for small mums suitable for funeral work. Also for stock to sell at \$6 and \$8 per 100, which is a very good selling size for the average retailer.

Carnations continue scarce, with very little sign of an increase in supply. There are not enough violets to go around. Callas are beginning to come in large quantities.

Various Notes.

Saturday will be the annual chrysanthemum show of the Florists' Society. Wm. Schuman will have charge of the ex-

hibits. Besides the regular prizes the society will again award the silver and bronze S. A. F. medals for most meritorious plant or flower of American origin. These medals will be competed for at this and subsequent shows given by the society, but will not be awarded until the last show of the season.

The B. K. & B. Floral Co., of Richmond, is sending in some of the finest Appleton seen in this city. Their Richmond Gem is the best red carnation on the market so far.

Chas. E. Critchell, manager of the Atlanta Floral Co. store and greenhouses, at Atlanta, Ga., formerly a Cincinnati boy, and Miss Emma J. Inloes, of Hartwell, O., will be married November 18.

Wm. Mann, formerly bookkeeper for the Cincinnati Cut Flower Co., is now occupying a similar position with the Ohio Cut Flower Co.

Mr. Dieterich, of Maysville, Ky., was a visitor. C. J. OHMER.

PACIFIC COAST.

MENLO PARK, CAL.—The first fall exhibition of the Menlo Park Horticultural Society, held October 23 and 24, was even more successful than anticipated. The display was really too extensive for the hall, which is the largest in the town. Most of the exhibits were by gardeners on the private estates, but the commercial men were well represented. Sidney Clack was manager of the show and was also an exhibitor, receiving first prizes for vase of new carnations (Enchantress) and best twelve white chrysanthemums. M. Lynch made a fine general display of plants and flowers not for competition. The plants included a specimen of the new Pandanus Sanderi. The private gardeners participating included Messrs. Fred Miller, Geo. Nunn, M. Carter, S. P. Fisher, Andrew McDonald, Thos. McIntyre, W. Kettlewell, Wm. Eldred and J. Hanson. It is the intention of the society to hold a spring show next year.

PLANT NOTES.

Christmas will soon be upon us and florists will find this a good time to look over their available stock for the holidays. The people of California are very fond of flowers, and flowering plants at this time are sure to be in good demand.

Potted bulbous stock is always a good seller and Dutch and Roman hyacinths are the first on the list. We put about three to five Roman hyacinths in a 5 or 6-inch pot and have no difficulty in retailing them at 50 cents. The Dutch hyacinths sell about the same price and one large flower is all that is necessary for selling it at a handsome profit. Valley is generally transplanted, about half a dozen in a 5-inch pot, and sells readily at \$1.

Chinese primulas are sold singly in 3 or 4-inch pots and they can be handled nicely in 8 or 9-inch fern pans, planting about five of assorted colors in each pot. We retailed a great many of them during last season's holidays at \$1.50 to \$2 per jar. Freesias and tulips are good sellers and can be handled very easily at splendid profits.

We received last season large quantities of poinsettias from Los Angeles that were outside grown. The only trouble I found with them was that they did not hold their leaves well and although the flowers kept well enough the stems

looked very shabby. Assortments of small growing ferns planted in fern dishes and strong pots of maidenhair are in good demand.

Kentia Belmoreana and Forsteriana are our best selling palms, although Cycas revoluta, rhaps and arecas are close seconds. Phoenix canariensis and many other palms are perfectly hardy here in California and are not much used for interior decorations. Japanese fern baskets had a large sale several years ago but they do not seem to be in much demand this season. Asparagus Sprengeri in baskets and Asparagus plumosus in pots must not be overlooked, as they are about as satisfactory an article as anyone wants to handle and one of the few house plants the general public seems to be able to keep alive for any length of time. G.

SAN FRANCISCO.

The Market.

Business during the past week has been quiet enough to suit any one. There is both a scarcity of funerals and also of society functions, and most of our florists have an idea there will be very little doing until Thanksgiving. The chrysanthemum is still queen of the market and the quality of the stock offered is thoroughly up to color and form. Prices rule very low and the best outside grown Bonnaffon can be bought for \$1.50 per hundred. We had a heavy downpour of rain on Tuesday and some of the growers thought that outdoor stock would suffer, but everything dried up in a few hours and is now in better shape than ever. Carnations are good and cheap. I think they are twenty-five per cent cheaper than at this time last year. The reasons are, first, our continued warm, bright weather, and, secondly, the large amount of stock offered by new growers. I think there are not less than twenty new establishments started in the last year in the neighborhood of San Francisco.

Roses are plentiful, excepting Beauties. Bridesmaid, Bride, Kaiserin and Testout can be had at from 50 to 75 cents per dozen wholesale, and they are of very good quality. Violets are getting better than they were a week ago, owing to the rain, but price still remains at \$1 per dozen bunches. Outside flowers are getting scarce. We still have some gailardias and dahlias, but most of the other stock is out of season.

Notes.

A very well attended flower show was held in San Mateo last week and some of our well known growers took most of the prizes. Wm. Eldred, Wm. McDonald and Thomas Breen took the first prizes for chrysanthemum blooms. W. Kettlewell first prize for dahlias. Fick & Faber first prizes for carnations and roses and H. G. Hardy first prize for ferns. G.

OSAGE, IA.—Walter S. Hall has had an "opening" at his greenhouses this week, a musical festival and illumination. He sent out hand bills and as one feature advertised the Happy Hooligan K. of P. band, and as another "Old Folks' Day," Wednesday afternoon, offering to send a carriage for any one who would 'phone or send a postal. An admission of ten cents was charged in the evening.

ALMA, MICH.—W. O. Thomas has sold his greenhouse to Steve Coleman, who is removing it to his place.

SAMUEL S. PENNOCK, VALLEY

IT IS ADMITTED
THAT A. J. PENNOCK
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in the United States. We are his Sole Agents.

On and after October 1st
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THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

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30 percent. Discounts allowed only on consecu-
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be better.

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INDEX TO ADVERTISERS.

This index covers only those having displayed
advertisements. There is a host of others mak-
ing offers in our classified ads. and they will be
found there under their proper headings.

Allen, J. K.	1013
American Garden- ing	1036
Am. Wooden Ware Co.	1059
Amling, E. C.	1005
Aschmann, Godfrey	1052
Bache, Semon & Co.	1061
Backer & Co.	1055
Baker, W. J.	1037
Ball, G. D.	1037
Barnard & Co.	1003
Bassett & Wash- burn.	1011-40
Baur & Smith.	1064
Bayersdorfer & Co.	1016-52
Beckert, W. C.	1033
Beneke, J. J.	1043
Bentley & Co.	1012-40
Berger, H. H. & Co.	1016
Bernheimer, E.	1031
Berning, H. G.	1041
Bishop, W. R.	1033
Blackstone, Z. D.	1042
Bonham, F. E.	1043
Bonnot Bros.	1038
Bowe, M. A.	1042
Bradshaw & Hartman	1038
Brague, L. B.	1039-56
Brant & Noe.	1040
Brant, S. D.	1054
Breitmeyer's Sons	1015-42
Brod, J.	1043
Bruno, H. N.	1040
Buckley Plant Co.	1043
Budlong, J. A.	1006-40
Burleson & Son.	1039
Burpee, W. Atlee & Co.	1033
Caldwell Co., W. E.	1069
Caldwell The Woods- man Co.	1056
California Carnation Co.	1055
Century Flower Shop	1042
Chalfant W. A.	1033
Chicago Carnation Co.	1003
Clarke Bros.	1042
Clarke's Sons, David	1042
Classified Advs.	1044
Comey Co., R. H.	1033
Converse Green- houses.	1054
Cottage Gardens.	1037
Cowee, W. J.	1030
Crowl Fern Co.	1039
Crooke Co., J. J.	1067
Cunningham, J. H.	1033
Davis Bros.	1050
Dearborn Engraving Co.	1055-58
Dickinson Co., Al- bert	1033
Dietsch, A. & Co.	1060
Diller, Caskey & Co.	1062
Dillon, J. L.	1052
Dillon Greenhouse Mfg. Co.	1066
Dingee & Conard Co.	1052
Dorner, F. & Sons Co.	1055
Dreer, H. A.	1055-58
Dunn & Co., C. A.	1041
Dunne & Co.	1016
Eickholt, Mrs. Chas.	1043
Elliott, J. L.	1061
Ellis, F. M.	1043
Ernst & Son.	1031
Fellouris, A. J.	1056
Finley, C. E.	1062
Florists' Hall Asso.	1050
Foley, J. J.	1041
Foley Mfg. Co.	1060
Ford Bros.	1039
Foster, L. H.	1037
Garland, Geo. M.	1066
Garland, Frank.	1010-56
Gasser Co., J. M.	1042
Geller, Sigmund.	1052
Ghormley, W.	1038
Giblin & Co.	1061
Graham, H.	1030
Gude & Bro., A.	1042
Gullett & Sons	1043
Guttman, A. J.	1039
Hammond, J. A.	1038
Hauswirth, P. J.	1042
Heacock, Jos.	1053
Heller Bros.	1037
Helios-Upton.	1058
Herr, A. M.	1057
Herrmann, A.	1016
Hicks & Crawbuck.	1039
Hill Co., E. G.	1037
Hippard, E.	1060
Hitchings & Co.	1001-62-64-66
Holton & Hunkel Co.	1037
Howe, C. L.	1041
Hunt, E. H.	1010-40-59
Igoe Bros.	1061
Jacobs & Son.	1061
Johnson & Stokes.	1037
Jurgens, Aug.	1040
Kasting, W. F.	1003
Kennicott Bros. Co.	1003-6
Knoll Nurseries.	1057
Koropp, L.	1058
Kramer & Son.	1060
Kreshover, L. J.	1038
Krick, W. C.	1052
Kroeschell Bros. Co.	1066
Kuehn, C. A.	1041
Kuhl, Geo. A.	1043-50
Kurzman-Dacre Co.	1039
Lager & Hurrell.	1057
Lake View Rose Gardens.	1040
Lange, A.	1042
Langjahr, A. J.	1013-38
Larchmont Nur- series.	1032
Larkin Soap Co.	1059
Lecakes & Co., N.	1039
Lehman Bros.	1059
Limbach, C.	1061
Livingston Seed Co.	1043-59
Long, C.	1067
Loomis Floral Co.	1055
Loose, J. L.	1064
Lord & Burnham.	1066-68
Ludemann, F.	1054
McCain Bros.	1036
McConnell, Alex.	1042
McCray Refrigerat- or Co.	1057
McCullough's Sons.	1041
McManus, Jas.	1034-35-38
McMorran & Co.	1064
Miami Floral Co.	1030
Michell Co., H. F.	1016
Michigan Cut Flower Exchange.	1041
Millang, A.	1039
Millang, C.	1014-38
Millang, F.	1039
Moninger Co., J. C.	1061
Montana Fertilizer Co.	1058
Moon Co., W. H.	1036
Moore, Hentz & Nash.	1038
Moss, Isaac H.	1064
Muno, John.	1040
Murphy, Wm.	1041
National Florists' Board of Trade.	1014
Naumann, G. M.	1055
Neff, L. I.	1043
N. Y. Cut Flower Co.	1031-38
Niessen, Leo.	1037
Oechlin Bros.	1055
O'Hagan, J. H.	1036
Park Floral Co.	1042
Parker-Bruen Co.	1059
Peacock, W. P.	1037
Pennock, S. S.	1030-43
Perkins, J. J.	1039
Peterson, J. A.	1054
Peterson Nursery.	1036
Philadelphia Whole- sale Flower Market.	1039
Pfeiffer Boiler Co.	1062
Pierce Co., F. O.	1066
Pierse Co., F. R.	1043-51
Pierse-Sefton Co.	1066
Pine Tree Silk Mills.	1043
Pittsburg Cut Flow- er Co.	1031
Pittsburgh Plate Glass Co.	1061
Poehlmann Bros.	1040
Pollworth Co.	1056
Quaker City Machine Works.	1061
Rackham, G. A.	1050
Randall, A. L.	1004-40
Rawlings, E. I.	1033
Rawson & Co.	1033
Raynor, J. I.	1039
Reed & Keller.	1016
Regan Ptg. House.	1038-65
Reid, Edw.	1037
Reinberg, Geo.	1004-40
Reinberg, P.	1007
Rice Bros.	1037
Rice, M. & Co.	1016
Ribsam & Son.	1036
Ridge Lawn Green- house.	1031
Riedel & Spicer.	1008-35
Robinson & Co.	1056
Rock, W. L.	1042
Roehrs, Julius.	1003
Ryerson, U. C.	1058
Salter, W. H.	1057
Salford.	1042
Salford, Geo.	1038
Schloss Bros.	1030
Schmid, E. S.	1058
Schmitz, F. W. O.	1016
Scollay, J. A.	1066
Scott, John.	1043
Scott, W.	1043
Sharp, Partridge & Co.	1066
Sheridan, W. F.	1012-38
Shibley.	1042
Siebert, C. T.	1064
Siebert & Son.	1042
Sievers & Boland.	1042
Sinner Bros.	1008-40
Skidelsky, S. S.	1054
Slinn & Hughes.	1038
Smith & Son, N.	1011
Smith Co., W. & T.	1036
South Park Floral Co.	1037
Southworth, H. K.	1039
Sprague Smith Co.	1061
Standard Engine & Pump Co.	1060
State Nursery Co.	1042
Stern & Co., J.	1016
Stewart, S. B.	1043
Stoothoff, H. A.	1059
Storrs & Harrison Co.	1033
Stump & Walter Co.	1033
Superior Machine & Boiler Works.	1066
Swanson, Aug. S.	1042
Thorburn, J. M. & Co.	1033
Tobacco Warehouse- ing & Trading Co.	1059-64
Totty, C. H.	1053
Traendly & Schenck.	1039
Vesey, W. J. & M. S.	1030
Vincent, Jr. R. & Son.	1057
Virgin, U. J.	1043
Vredenburg & Co.	1033
Wabash, R. R.	1058-61
Wagner Park Con- servatories.	1050
Weber, F. C.	1042
Weber & Sons.	1031
Weiland, M.	1042
Weiland & Risch.	1040
Whitton, C.	1057
Whitton, S.	1030
Wiegand & Sons.	1042
Wietor Bros.	1009-40
Wild, G. H.	1036
Wilks Mfg. Co.	1062
Williams Co., F. R.	1037
Winterson Co., E. F.	1010
Wittbold Co.	1042-50
Young, John.	1038
Young, J. W.	1037
Young & Nugent.	1038

Howe, C. L.	1041
Hunt, E. H.	1010-40-59
Igoe Bros.	1061
Jacobs & Son.	1061
Johnson & Stokes.	1037
Jurgens, Aug.	1040
Kasting, W. F.	1003
Kennicott Bros. Co.	1003-6
Knoll Nurseries.	1057
Koropp, L.	1058
Kramer & Son.	1060
Kreshover, L. J.	1038
Krick, W. C.	1052
Kroeschell Bros. Co.	1066
Kuehn, C. A.	1041
Kuhl, Geo. A.	1043-50
Kurzman-Dacre Co.	1039
Lager & Hurrell.	1057
Lake View Rose Gardens.	1040
Lange, A.	1042
Langjahr, A. J.	1013-38
Larchmont Nur- series.	1032
Larkin Soap Co.	1059
Lecakes & Co., N.	1039
Lehman Bros.	1059
Limbach, C.	1061
Livingston Seed Co.	1043-59
Long, C.	1067
Loomis Floral Co.	1055
Loose, J. L.	1064
Lord & Burnham.	1066-68
Ludemann, F.	1054
McCain Bros.	1036
McConnell, Alex.	1042
McCray Refrigerat- or Co.	1057
McCullough's Sons.	1041
McManus, Jas.	1034-35-38
McMorran & Co.	1064
Miami Floral Co.	1030
Michell Co., H. F.	1016
Michigan Cut Flower Exchange.	1041
Millang, A.	1039
Millang, C.	1014-38
Millang, F.	1039
Moninger Co., J. C.	1061
Montana Fertilizer Co.	1058
Moon Co., W. H.	1036
Moore, Hentz & Nash.	1038
Moss, Isaac H.	1064
Muno, John.	1040
Murphy, Wm.	1041
National Florists' Board of Trade.	1014
Naumann, G. M.	1055
Neff, L. I.	1043
N. Y. Cut Flower Co.	1031-38
Niessen, Leo.	1037
Oechlin Bros.	1055
O'Hagan, J. H.	1036
Park Floral Co.	1042
Parker-Bruen Co.	1059
Peacock, W. P.	1037
Pennock, S. S.	1030-43
Perkins, J. J.	1039
Peterson, J. A.	1054
Peterson Nursery.	1036
Philadelphia Whole- sale Flower Market.	1039
Pfeiffer Boiler Co.	1062
Pierce Co., F. O.	1066
Pierse Co., F. R.	1043-51
Pierse-Sefton Co.	1066
Pine Tree Silk Mills.	1043
Pittsburg Cut Flow- er Co.	1031
Pittsburgh Plate Glass Co.	1061
Poehlmann Bros.	1040
Pollworth Co.	1056
Quaker City Machine Works.	1061
Rackham, G. A.	1050
Randall, A. L.	1004-40
Rawlings, E. I.	1033
Rawson & Co.	1033
Raynor, J. I.	1039
Reed & Keller.	1016
Regan Ptg. House.	1038-65
Reid, Edw.	1037
Reinberg, Geo.	1004-40
Reinberg, P.	1007
Rice Bros.	1037
Rice, M. & Co.	1016
Ribsam & Son.	1036
Ridge Lawn Green- house.	1031
Riedel & Spicer.	1008-35
Robinson & Co.	1056
Rock, W. L.	1042
Roehrs, Julius.	1003
Ryerson, U. C.	1058
Salter, W. H.	1057
Salford.	1042
Salford, Geo.	1038
Schloss Bros.	1030
Schmid, E. S.	1058
Schmitz, F. W. O.	1016
Scollay, J. A.	1066
Scott, John.	1043
Scott, W.	1043
Sharp, Partridge & Co.	1066
Sheridan, W. F.	1012-38
Shibley.	1042
Siebert, C. T.	1064
Siebert & Son.	1042
Sievers & Boland.	1042
Sinner Bros.	1008-40
Skidelsky, S. S.	1054
Slinn & Hughes.	1038
Smith & Son, N.	1011
Smith Co., W. & T.	1036
South Park Floral Co.	1037
Southworth, H. K.	1039
Sprague Smith Co.	1061
Standard Engine & Pump Co.	1060
State Nursery Co.	1042
Stern & Co., J.	1016
Stewart, S. B.	1043
Stoothoff, H. A.	1059
Storrs & Harrison Co.	1033
Stump & Walter Co.	1033
Superior Machine & Boiler Works.	1066
Swanson, Aug. S.	1042
Thorburn, J. M. & Co.	1033
Tobacco Warehouse- ing & Trading Co.	1059-64
Totty, C. H.	1053
Traendly & Schenck.	1039
Vesey, W. J. & M. S.	1030
Vincent, Jr. R. & Son.	1057
Virgin, U. J.	1043
Vredenburg & Co.	1033
Wabash, R. R.	1058-61
Wagner Park Con- servatories.	1050
Weber, F. C.	1042
Weber & Sons.	1031
Weiland, M.	1042
Weiland & Risch.	1040
Whitton, C.	1057
Whitton, S.	1030
Wiegand & Sons.	1042
Wietor Bros.	1009-40
Wild, G. H.	1036
Wilks Mfg. Co.	1062
Williams Co., F. R.	1037
Winterson Co., E. F.	1010
Wittbold Co.	1042-50
Young, John.	1038
Young, J. W.	1037
Young & Nugent.	1038

We have sold all the roses we had for
sale. Your paper certainly brings re-
sults.—TEXAS SEED & FLORAL Co., Dal-
las, Tex.

THE adv. in the REVIEW sold the car-
nation plants.—Jos. Heintz, Jacksonville,
Ill.

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Ready for immediate shipment—White
Fitzwygram, Yellow Fitzwygram, Opah, Wil-
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Halliday, R. H. Pearson, Vivand-Morel, Rob-
inson, Col. Appleton, Timothy Eaton, Fee du
Champsaur, at \$8.00 per 100.

Yellow Eaton, Marie Liger, Louis Leroux, Mlle.
M. Douillet, Columbia, Berlioz, Marian Newell
and Baden Powell at \$10.00 per 100.

Glory Pacific, Polly Rose, Ivory, Dalskov and
Parr, at \$5.00 per 100.

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200 4-inch American Beauties.....\$10.00 per 100
300 4-inch Meteors..... 7.00 per 100
50 4-inch Bridesmaids..... 7.00 per 100
200 2 1/2-inch Balduins..... 4.00 per 100

Boston Ferns—7-inch, \$1.00 each; 8-inch, \$1.25
each; 9-inch, \$1.50 each. CASH OR C. O. D.

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Every subscriber is entitled to a free situation wanted or help wanted advertisement not exceeding 35 words in any one issue during the year. If the advertisement exceeds 35 words, send at the rate of one cent for each additional word.

When answers are to be addressed in our care, add 10 cents for forwarding.

SITUATION WANTED—By all around florist; German; for retail or commercial place; 22 years old; single. No. 202, care Florists' Review, Chicago.

SITUATION WANTED—Grower of roses, mums, carnations and general commercial stock, as foreman where ability and attention to business will be properly appreciated; permanent position; American; married; 15 years' experience; New York or Pennsylvania preferred. Address No. 206, care Florists' Review, Chicago.

WANTED—A bright, hustling young man of good address for a Chicago retail establishment; must be competent in decorating and designing and a first-class salesman. Address, with references as to ability and character, stating wages desired, No. 205, care Florists' Review, Chicago.

SITUATION WANTED—By first-class florist; thoroughly experienced in all branches; good grower pot plants, also roses, carnations; competent to take charge, or would take section; 12 years' experience; Address No. 204, care Florists' Review, Chicago.

WANTED—Rose grower in a modern, up-to-date establishment, to take charge of a range of houses; give name of former employers and state wages; no novice need apply. Address J. F. Ammann, Edwardsville, Ill.

WANTED—Dec. 15, young single man with experience in cut flowers and ferns; position permanent; state wages; Scandinavian preferred. Address L. Nelson, Colma, San Mateo Co., Calif.

SITUATION WANTED—In Chicago, by a young lady in a florists' store; six years' experience; best of references. Address No. 201, care Florists' Review, Chicago.

WANTED—Florist, at once, to take charge of 6000 ft. of glass; grow cut flowers and general stock; references. S. J. Long, Petoskey, Mich.

WANTED—Good assistant in greenhouse, \$20.00 per month, board, room and laundry, with chance of advance. Address Chas. Keller, Woodmere P. O., Detroit, Mich.

FOR SALE—A beautiful home and greenhouse. Dwelling contains 13 rooms, all modern improvements, in a city of 7500 inhabitants, with no competition; greenhouse has 6000 feet under glass, well stocked with choicest plants. Will be sold together or separate. Reason for selling, ill health. Four railroads and good shipping facilities. Address Frank Shaffer, Pana, Ill.

If you want MUMS, Carnations or Roses, write, phone or wire **EUGENE BERNHEIMER,**

WHOLESALE FLORIST, 11 So. 16th St., PHILADELPHIA.

Mention the Review when you write.

WANTED—Young man who understands plants to work in store; start \$8.00 per week. Address No. 200, care Florists' Review, Chicago.

WANTED—Young man for general greenhouse work and one who will make himself useful where a general retail trade is carried on. One who is willing to learn will be acceptable; state wages. Fred Rentschler, Madison, Wis.

WANTED—Florist; an all-around man who understands his business in raising cut flowers and potted plants, and is capable of taking charge. Address Rudolph Kaiser, 104 College avenue, Annapolis, Md.

FOR SALE—Retail greenhouse; four greenhouses with office; one house 20x112 ft., one 22x60 ft., one 14x60 ft., one 14x30 ft.; also hotbed sash, all well stocked with salable plants; 3,000 carnations planted in fine shape; plenty stock for spring sales; located in a thriving town; no opposition closer than 25 miles, trolley road; steam heat, town water; cheap for cash. Address Lock Box 82, Middletown, Delaware.

SITUATION WANTED—By working foreman, Scandinavian, middle-aged, married. Life experience in growing cut flowers and bedding plants. Best references. Address J. A. Rosengren, 2043 Carrol St., Merriam Park, St. Paul, Minn.

SITUATION WANTED—As foreman or manager; eighteen years' practical experience; thoroughly conversant with all branches of the business. Address No. 196, care Florists' Review, Chicago.

FOR SALE—Store and greenhouses; fully stocked; long time lease; good location and doing a good business; ill health cause of selling. Address John Hoert, 920 N. Campbell Ave., Chicago.

WANTED—A reliable all around store man; one having ability to decorate and design; permanent position. State salary and reference. William L. Rock Flower Co, Kansas City, Mo.

WANTED—Florist to grow pot plants and cut flowers, and take charge 6,000 feet glass; single, price \$10.00 with room. Address No. 192, care Florists' Review, Chicago.

FOR SALE—New greenhouse material as follows: New 2-in. black pipe, long lengths, 10 cts. per ft.; 6x8, 50 ft. boxes, American glass, single, \$2.25 per box; 6x8, 50 ft. boxes, American, double, \$2.70 box; 6x8, 100 ft. boxes, French, single, \$4.00 box; 8x10 single French glass, \$4.50 per 100 ft. box; 12x14, 16x18, 14x14, 50 ft. boxes, American glass, double, \$3.60 box; 12x12, 10x14, 50 ft. boxes, American glass, single, \$2.40 box. Clear gulf cypress greenhouse material, and everything for building. Send for prices. S. Jacobs & Sons, 1365 to 1375 Flushing Ave., Brooklyn, N. Y.

FOR SALE.

One single open delivery wagon; will also dispose of horse and harness.

FLORIST,

50 West 29th St., New York City.

SITUATION WANTED

As salesman or manager of a commercial, retail or wholesale florist business, well experienced in all branches; served with some of the leading wholesale and retail florists in New York City; also a grower for same market for 14 years; age 33 years, and open for engagement by December 1. Address No. 203, care Florists' Review, Chicago.

FOR SALE

On account of giving up business, a lot of nice plants of *Asparagus Plumosus Nanus*, *Asparagus Sprengeri*, Boston Ferns, *Aspidistras* and *Crimson Rambler Roses*. For prices address:

CHAS. P. GULICK,

Riverside Greenhouse.

KINGSTON, : : : : NEW JERSEY.

Chrysanthemums

We can fill your order for stock plants with strong, healthy stock of the following varieties: Estelle (early white), Appleton (yellow), Rieman and Quito (pink), at \$3.00 per 100. LIGER, White and Yellow Chadwick and Yellow Eaton, at \$10.00 per 100.

Asparagus Sprengeri in 2½-in. pots, \$2 per 100. *Grevillea Robusta* in 2½-in. pots, \$2.50 per 100.

Also a fine lot of Ferns, *Araucarias* and Rubbers at prices on application.

Ridge Lawn Greenhouses, Pine Ridge, Buffalo, N. Y.

NEW CHRYSANTHEMUM

STOCK PLANTS.

Yellow—H. Sinclair, Mrs. J. J. Mitchell, Sephia, H. W. Buckbee, F. J. Taggart. **White**—Convention Hall, Globosa Alba, Mrs. R. W. Smith. **Pink**—Minnie Bailey, Algoma, Ethelyn, Columbia, R. E. Richardson, Amorita, Modesto, Uwanta.

The above 25c each, \$2.50 per dozen. **Oreoco**, Bentley, Iolantha, Bruant, Lady Harriet, Robert Halliday, 15c each, \$1.50 per dozen, \$10.00 per 100. **Bonnafon**, Ivory, Pink Ivory, Willow Brook, Pacific, Polly Rose, Mrs. J. Jones, 10c each, \$1.00 per dozen, \$6.00 per 100; 25 plants of one variety at 100 rate.

H. WEBER & SONS, Oakland, Md.

Mention the Review when you write.

GARDENING UNDER GLASS

GRAND RAPIDS, MICH.—Charles Chadwick is building a new greenhouse 450 feet long, which will be used for forcing lettuce.

FORCING ASPARAGUS.

As far as the forcing of this vegetable is concerned, it is quite a simple matter, as it is well adapted as a forcing subject, requiring only about three weeks from time of starting until it is fit to cut if the proper conditions are provided. The procuring of suitable plants is often the most troublesome part, unless the plants are home-grown, and when it is intended to go into asparagus forcing to any great extent it will pay to grow them at home. Here they can be lifted and placed in the forcing quarters without any check through the roots being exposed to the drying influence of the air, but when shipped from a distance more or less drying and consequent loss of vitality is bound to occur through the soil being all shaken from the roots. We like to get them, if possible, with soil adhering. We have used two-year-old crowns where they were very strong, but find as a general rule that those three years old are more profitable, the stalks produced being not only more numerous but considerably stronger.

We have seen asparagus forced under greenhouse benches and such places, but in such situations it is hard to produce a first-class article. We have obtained the best results in pits. Our pits are about four feet deep and built of brick, heated by one 4-inch hot water pipe, which runs right around the pit about one foot from the top. We begin operations by putting about two feet of stable litter in the bottom of the pit. This we pack as firmly as possible. Clean sand is then added to a depth of three inches. As the manure generates more heat than the roots will stand, time is allowed for the surplus heat to work off.

When the temperature has fallen to 60 degrees we consider it safe to set the plants. We set them just as close as the adhering soil will allow, then cover with from three to four inches of sand. Enough water is then given to settle the sand around the roots, but not enough to soak the manure. The heat is regulated by air to 75 degrees in the day time and enough air is left on over night to allow surplus vapor to escape while the manure is still fresh. Later on enough fire heat is supplied to maintain a top night temperature of from 55 to 60 degrees. Frequent waterings are necessary and should be given whenever the sand shows signs of dryness. Cutting should begin in from three to four weeks and should be attended to every morning after the points begin to appear. When the crop is over the roots can be thrown out and replaced by fresh ones. The same hotbed will retain heat long enough to force several batches.

W. S. CROYDON.

MARINETTE, WIS.—George Vatter has 2,000 chrysanthemum plants this season and a nice trade. He added 4,000 feet of glass last summer, making a total of 18,000 feet.

Seed Trade News.

AMERICAN SEED TRADE ASSOCIATION.

Pres., S. F. Willard, Wethersfield, Conn.; First Vice-Pres., J. Chas. McCullough, Cincinnati, O.; Sec'y and Treas., C. B. Kendel, Cleveland, O. The 22d annual meeting will be held at St. Louis, Mo., June, 1904.

THE early wholesale lists quote Evergreen corn at \$4.40 to \$4.50 per bushel.

THE cactus dahlia Florence M. Stredwick is a white variety of great promise to be introduced next season by an English grower.

CHAS. P. BRASLAN, of the Braslan Seed Growers Co., San Jose, Cal., expects to start on his annual eastern business trip shortly.

VISITED PHILADELPHIA: Alfred Emerich, Paris; James Comont, of Carter, Dunnett & Beal, London England, who will sail for home about Thanksgiving.

VISITED CHICAGO: Lester C. Morse, C. R. Kimberlin and W. J. Fosgate, Santa Clara, Cal.; D. S. Sloan, of D. S. Sloan & Son, Palo Alto, Cal.; Joe L. Ullathorne, of Ullathorne Seed Co., Memphis, Tenn.

THE A. J. Brown Seed Co., of Grand Rapids, has leased an adjoining double store and is installing bean picking machines which will give a capacity of two carloads of beans a day.

SEVERAL shipments of seeds in bond from Europe to Chicago have arrived this week. It is thought that this year the importers will not have as much trouble clearing seeds as they had last year and year before.

JOHN SCHEEPERS, of Hillegom, Holland, will exhibit a new tuberous rooted begonia at the St. Louis World's Fair, it being his intention to offer it to the American trade next year. Mr. Scheepers is now in New York.

FIVE dollars per bushel seems to be the prevailing value placed upon the canners' varieties of sweet corn. No sales of any account have been made at this price, but some owners of the article are holding stiff for it.

IN Chicago the past week some of the pickle men expressed a willingness to pay \$1.50 per pound for Chicago Pickling cucumber seed; \$2.50 per pound was asked for 200 pounds of this variety, but the deal was not closed.

IT is stated that D. V. Burrell, the Rocky Ford, Colo., seedsman who went to Chicago a week or two back to be treated at the Pasteur Institute for a bite from a mad dog, has returned home and that the treatment was successful.

PHILADELPHIA.—There has been quite a perceptible lull in business the past week. All lines, with the exception of bulbs, have been very quiet. Traveling men report very little doing and some of these have been as far west as Denver, Col. With the uncertainties of being able to secure stock of many kinds of melons, cucumbers, beans and sweet corn, together without any definite idea as to the probable prices that are likely to rule later, buyers do not seem inclined to order until the last minute.

C. P. Coy & Son, Waterloo, Neb., have sent out the following: "As our cucumber crops are now being harvested and received, we are meeting with serious disappointments. In fact, some varieties that promised fairly good results are giving us very little seed indeed. We had sufficient fruits in sight on the ground to make previous estimates good, or nearly so, but are now finding that from one-half to two-thirds of the seed in the fruits is of unmerchantable quality, being light, chaffy, and undeveloped. Some varieties that we hoped to make a small showing on we will not be able to make any delivery whatever, while indications now point to a decrease of thirty to fifty per cent below former estimates all along the line. The situation at present is such that it is impossible to make an intelligent estimate until the crops are actually in the warehouse and milled up. We regret that we cannot give something definite as to deliveries, but be prepared for extreme shortages."

THE LANDRETH FAILURE.

On November 6 Bayard Henry was appointed receiver for the firm of D. Landreth & Sons, Philadelphia, the oldest seed house in America. A meeting of the creditors was held on July 20 and a committee appointed to investigate the affairs of the firm in hopes that a way out of its financial troubles might be found. This committee found the unsecured liabilities to be \$123,946.64. Real estate is owned subject to mortgages of \$155,000, which leaves little equity. The assets were estimated at \$134,197.36 as a going concern or at \$53,545.98 at forced sale. It was recommended that the creditors accept settlement at fifty per cent of their claims in notes maturing in installments up to July 15, 1905, but this was not acceptable to some of the banks involved, and the bankruptcy proceedings have resulted. The business was established in 1784, by David Landreth, and has since been conducted by members of the family.

Remember that the

Enchantress

Is of the "Daybreak" shade, the color most in favor with the general public.

Rooted Cuttings Now Ready.

\$6.00 per 100; \$50.00 per 1000.

—ALSO—

Lillian Pond,

THE GRAND WHITE.

\$5.00 per 100; \$40.00 per 1000.

READY NOW.

The Queen,

\$5.00 per 100; \$40.00 per 1000.

LAWSON, \$3.00 per 100; \$25.00 per 1000.

PROSPERITY, \$3.00 per 100; \$25.00 per 1000.

STRICTLY CASH WITH ORDER.

Larchmont Nurseries,

LARCHMONT, N. Y.

Mention Review when you write.

Chinese Narcissus

STUMPP & WALTER CO., 50 Barclay St., NEW YORK.

BRANCH STORE: 404 EAST 34TH STREET.

Packed in baskets, 30 each, \$1.20 per basket. Bales of four baskets, 120 in all, \$4.50 per bale. Special prices on lots of 1000 or over.

Mention the Review when you write.

ESTABLISHED 1802.

Thorburn's Bulbs

Our Wholesale Catalogue of Bulbs and Flower Seeds for Florists now ready.

DUTCH HYACINTHS, SPIRAEAS and all Florists' Forcing Bulbs.

Expected soon and are booking orders now for **ASPARAGUS PLUMOSUS ROBUSTUS**

Which grows more rapidly, yields more sprays for cutting and is by far more valuable for florists than any other sort.

\$1.00 per 100 seeds; \$9.00 per 1000 seeds.

J. M. THORBURN & CO.

36 Cortlandt St., NEW YORK.

Mention the Review when you write.

BULBS FOR FORCING and BEDDING.

BEST GRADES ONLY.

Write for special prices.

W. C. BECKERT, - ALLEGHENY, PA.

Mention Review when you write.

We want you to know

that we have a bargain for you better than gold mine stock.

Smilax—2-in., 75c per 100.

Asparagus Sprengeri—2-in., \$1.20 per 100.

E. I. RAWLINGS, Quakertown, Pa.

Mention the Review when you write.

Primroses...

Chinese and Obconica, alba and rosea, 2 1/4-inch pots.....\$1.50 per 100

Asparagus Sprengeri, 2-in. pots. 1.50

Pansy Plants, \$3.00 per 1000..... .50

Cash.

JOS. H. CUNNINGHAM, - Delaware, Ohio.

Mention the Review when you write.

CHRYSANTHEMUM

STOCK PLANTS.

Halliday, Coombes, Adrian, Robinson, Cadbury, Chadwick, Yanariva, K. O. Star, 10c. Alice Byron, Mrs. F. J. Tranter, splendid new whites; F. J. Taggart, new hairy yellow; Goldmine, 15c. 50 to 75 varieties, in small quantities. Prices on application. No order filled for less than \$2.00.

W. A. CHALFANT, Springfield, Mo.

Mention the Review when you write.

PANSY plants, giant mixed, per 100, 40c; per 1000, \$2.00. Begonia Double Semperflorens, Triumph de Lorraine, strong 2 1/4-in., 2 1/2c. Primula Obconica, 2 1/4-in., strong 1 1/2c. Cinerarias, 2 1/4-in., \$2.00 per 100.

HENRY ERNST & SON, Washington, Mo.

Mention Review when you write.

Established 1864.

Asparagus Roots

We have to offer 100,000 Palmetto, 400,000 Conover's Colossal Asparagus Roots, also 150,000 Barr's Mammoth, all strong, vigorous two-year old roots, and are now prepared to receive orders for delivery in the Fall of 1903 or Spring of 1904.

Also choice varieties of Melon, Tomato, Cabbage, Cucumber, Sugar Corn Egg Plant and Pepper Seed, Rhubarb Roots, Horse Radish Sets and Strawberry Plants. Send for price list.

WM. R. BISHOP, Seedsman, Burlington, N. J.

SURPLUS BULBS.

SINGLE HYACINTHS for Bedding or Forcing, Light Blue, Pink and Pure White, \$2.75 per 100; \$23.00 per 1000.

NARCISSUS TRUMPET MAJOR\$7.50 per 1000

NARCISSUS VON SION, good forcing grade 12.00 "

ROMAN HYACINTHS, 12 to 15 cms. 25.00 "

CALLA ETHIOPICA, 5 1/2 to 7-inch circumference 8.00 per 100

HARRISII LILY, 5 to 7-inch 3.50 "

PARROT TULIPS, best mixture 7.00 per 1000

CHINESE NARCISSUS.....per basket, 30 bulbs, \$1.25

Per bale, 4 baskets (120 bulbs)..... 4.25

THE STORRS & HARRISON CO., PAINESVILLE, OHIO.

Burpee's Seeds Grow

SEEDS

THE ALBERT DICKINSON CO.

Timothy, Clovers, Flax, Hungarian, Millets, Red Top, Blue Grass,

Lawn Grass, Orchard Grass, Pasture Mixtures, Bird Seeds,

ENSILAGE CORN, POP CORN, BUCKWHEAT, BEANS, PEAS, ETC.

COTTON GRAIN BAGS.

CHICAGO ILL.



LONGIFLORUMS,

HARRISII,

FREESIA, OXALIS,

Now ready for delivery. CALLAS.

Annual Trade List of **BULBS** sent on application.

W. W. RAWSON & CO., Seedsman

12 and 13 Faneuil Hall Square, BOSTON.

Mention the Review when you write.

VREDENBURG & CO.

ROCHESTER, N. Y.

Lithographing, Printing, Engraving.

Binding exclusively for **FLORISTS**.

SEEDSMEN and NURSEYMEN

Sample Colored Plates free—Send for Catalogue

UNEQUALLED FACILITIES

Mention the Review when you write.

RAFFIA!

We carry a large assortment of **COLORED RAFFIA GRASS** on hand for immediate delivery.

Every strand is dyed its entire length. Samples free.

R. H. COMEY CO., Dyers,
CAMDEN, N. J.

Mention Review when you write.

1897

**Gardenias,
Valley and Roses.**

As fine as can be grown.

Prompt payments and highest
market prices guaranteed.



Our Thanksgiving Greeting!

**Square dealings; the high
possible for the amount
and absolute reliability.**

JAMES M

Telephone
759 Madison Sq.

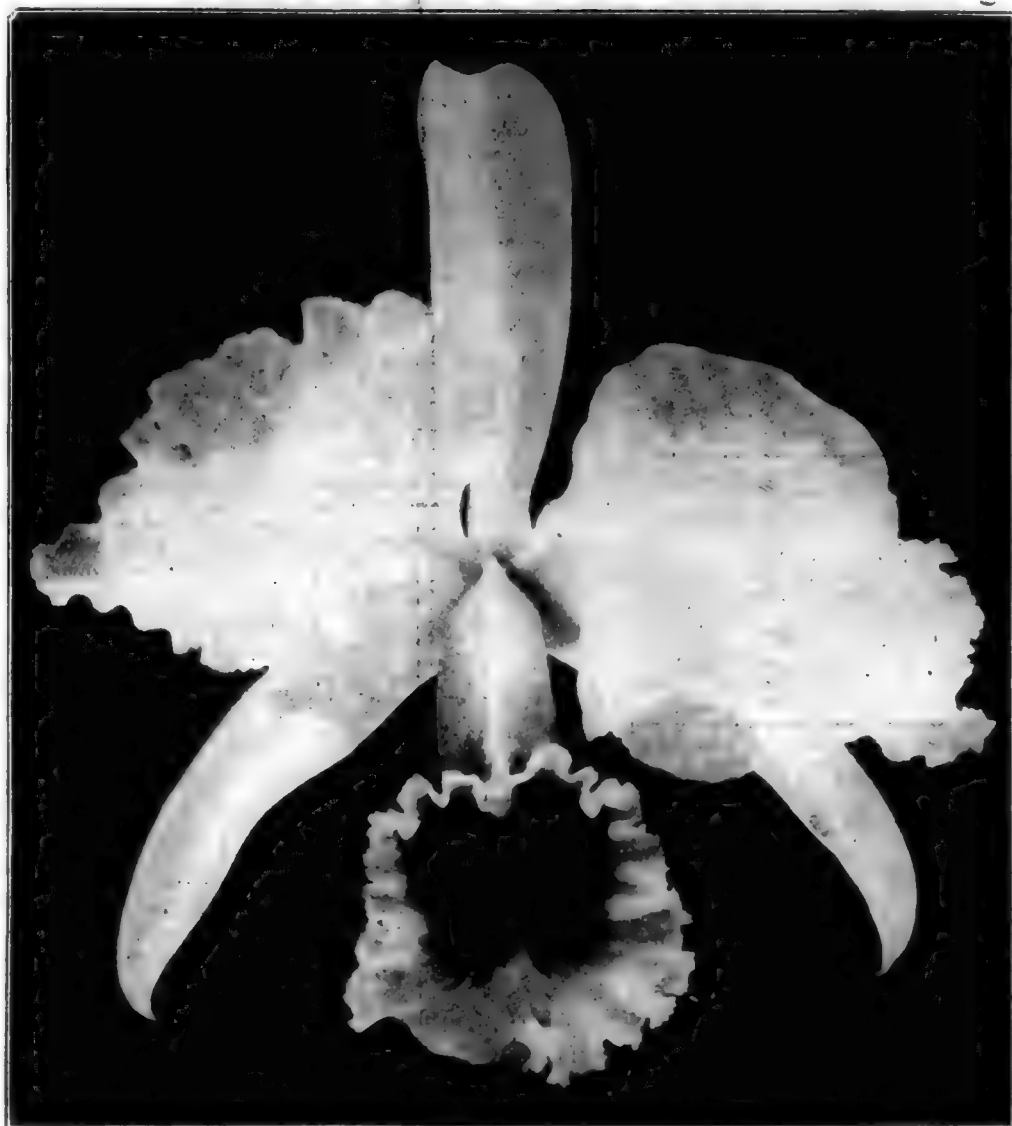
Wholesale Florist,

Orchids,

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Beauties,

Liberties.



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CONSIGNME

I am now
stock daily f
best Orchid g



Headquarters
FOR

1903

ORCHIDS

Increased demands make more consignors
necessary, especially of Beauties, Meteors,
Liberties and ORCHIDS.

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ICMANUS

50 W. 30th St., New York City.

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TS SOLICITED.

receiving superb
m some of the
wers of America.



The best always
of the new

Carnations,

Lily
of the Valley,

Violets.

NURSERY NEWS.

AMERICAN ASSOCIATION OF NURSEYMEN.

Pres., N. W. Hale, Knoxville, Tenn.; Vice-Pres., F. A. Weber, St. Louis; Sec'y, Geo. C. Senger, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-eighth annual convention will be held at Atlanta, Ga., June, 1904.

THE city of Clinton, Ind., has bought a tract of thirteen acres, which will be converted into a park.

MRS. MARY E. SCHENLEY, noted philanthropist and donor of Schenley Park, in Pittsburg, is dead in London.

THE public library grounds at Windsor, Ont., are to be improved by a large planting of shrubs. W. W. Essig & Co., Detroit, made the plan.

THE packing shed at H. F. Hillenmeyer's nursery, near Lexington, Ky., was burned October 31, involving a loss of several thousand dollars.

THE recently incorporated Lindsay Townsite Co., of Corpus Christi, Tex., will establish a large nursery under the superintendency of J. L. Stillwell.

S. W. MARSHALL, of Fresno, Cal., has bought the interest of C. W. Chauncey in his business and the firm will hereafter be known as S. W. Marshall & Son.

THE Sleepy Creek Orchard Company, to engage in the fruit-growing and nursery business at Sleepy Creek, Morgan county, W. Va., has been incorporated with \$25,000 capital.

ALL sorts of tree seeds are reported scarce and hard to get in Tennessee. The September frosts killed the tops of the catalpas, but it does not hurt them for lining out. Trade is better than ever for fall.

C. S. HARRISON, York, Neb., has just returned from a trip to the U. S. reservation in Colorado and is out with a plea for its opening as another national park. Mr. Harrison is president of the Nebraska Park and Forestry Association.

THE Pennsylvania railroad is reported to have placed an order at West Chester, Pa., for many thousands of two-year locust trees. These are to be planted on the right of way to grow into post and tie timber.

E. W. KIRKPATRICK, of McKinney, Tex., president of the Texas Nurserymen's Association, is one of the foremost authorities on the pecan. He says that the people have not yet realized the money-making possibilities in this nut. Pecan culture is still one of the great undeveloped industries of the south. Prof. W. A. Taylor, of the U. S. Department of Agriculture, has recently been in Texas inspecting the results of Mr. Kirkpatrick's work on the improvement of varieties.

PEONIES

FRAGRANS (Sometimes called Thurbecki).

\$6.00 per 100.

For 1000 rate or other varieties write
GILBERT H. WILD, - - Sarcoxie, Mo.
Mention the Review when you write.

The GLENWOOD NURSERIES

EVERGREENS.

The largest and most complete assortment of Specimens, sheared and of natural form. All roots pruned and carefully grown.

Evergreen Trees, Evergreen Shrubs and Vines for window boxes and Winter decorations.

DECIDUOUS TREES.

20,000 **Oriental Plane Trees**, 6 to 14 feet.

25,000 **Oaks**, in variety, 6 to 14 feet.

100,000 **Maples**, in variety, 8 to 18 feet.

Beech, Birch, Ash, Elms, Ginkgo Poplars and other leading varieties.

HEDGE PLANTS.

200,000 **California Privet**, 1 to 4 feet. The finest grown.

Osage Orange, Berberry Thunbergii, Altheas, etc.

Special Quotations to large buyers. New Trade List now ready.

Descriptive Illustrated Catalogue on application.

THE WM. H. MOON CO., MORRISVILLE, PA.

60 miles from New York.

30 miles from Philadelphia.

Mention the Review when you write.

FLORISTS, NURSEYMEN, AND SEEDSMEN

who read the new American Gardening, learn what is doing in the Public Parks and Private Places throughout the country. A large space is devoted each week to news items covering these two features.

AS AN ADVERTISING MEDIUM
AMERICAN GARDENING BRINGS RESULTS.

It reaches those who spend the money; wealthy amateurs, private gardeners, and park superintendents.

Under New Management. Improved and Up-to-date.

Published weekly.

\$1.50 Per Year.

Sample copies free.

American Gardening Co. (Inc.), 136 Liberty St., New York.

Mention the Review when you write.

McCOLGAN BROS. Red Bank, N. J.

Successors to JAMES McCOLGAN & CO.

Offer to the trade a large stock of

California Privet IN SEVERAL GRADES.

100,000 **Ampelopsis Veitchii**,
1, 2 AND 3 YEARS.

PRICES ON APPLICATION.

Mention Review when you write

Peterson Nursery,

164 La Salle St., CHICAGO.

PEONIES

And HARDY ORNAMENTAL STOCK.

Write for illustrated price list.

Mention the Review when you write.

W. & T. SMITH COMPANY, GENEVA, N. Y.

Wholesale Growers of **ORNAMENTAL TREES, Shrubs, Roses, Clematis, Fruit Trees and Small Fruits** in great variety

Send for our Wholesale Price List.

Mention the Review when you write.

California Privet.

	Per 100	Per 1000
75,000 Two-year, 2½ to 3 ft....	\$2 75	\$25.00
200,000 Two-year, 2 to 2½ ft....	2.50	22.00
100,000 Two-year, 18 to 24 in....	2.00	18.00
500,000 One year, 12 to 18 in., branched.....	1.25	10.00
Will contract to make cuttings.....	.75	

All the above grades have been transplanted and cut back, except one year. This gives good roots and bushy plants.

RIVER VIEW NURSERIES, J. H. O'HAGAN.

LITTLE SILVER, NEW JERSEY.

Mention Review when you write.

80,000

TWO-YEAR-OLD PRIVET

Well branched, will sell in row or block. Plants are very fine.

WANTED. 100 strong plants
G. H. CRANE CARNATIONS
and 1000 **MARIE LOUISE VIOLETS.**
Quote Price.

C. Ribsam & Son

TRENTON, N. J.

Mention the Review when you write.

LEO NIESSEN. Beauties, Liberties, Valley

Chrysanthemums

Open from 7 a. m. to 8 p. m.

WHOLESALE FLORIST, 1217 ARCH ST., PHILADELPHIA.

Mention the Review when you write.

High Grade BULBS QUICK SELLING PRICES

250 bulbs at 1000 rate.

DUTCH HYACINTHS.	Per 100	Per 1000
Single, separate colors, fine bulbs...	\$2.60	\$24.00
Single, named, splendid bulbs for forcing, separate colors, our selection but every variety distinctly named...	3.75	35.00
TULIPS—Exceptional Quality.		
Belle Alliance, scarlet (True).....	1.80	16.50
Keizerskroon, scarlet and yellow ...	1.00	9.50
Pottbakker, yellow	1.15	10.50

NARCISSUS.	Per 100	Per 1000
Double Von Sion, selected	\$1.30	\$12.00
Poeticus .....	.45	3.50
Incomparable, double yellow.....	.65	5.50
Incomparable, single yellow, splendid forcer.....	.60	5.00
Paper White Grandiflora, 13 to 15 centimeters, fine bulbs	1.00	9.00
Single mixed, fine .....	.55	4.50
FREEBIA Refracta Alba .....	.45	3.50

CHRISTMAS HOLLY—Best quality, in case or carload lots. Write for prices.

JOHNSON & STOKES, 217 and 219 Market St., PHILADELPHIA, PA.

Mention the Review when you write.

....THE....

COTTAGE GARDENS

Wholesale Florists,

QUEENS, - L. I., N. Y.

Mention the Review when you write.

THE E. G. HILL CO.

Wholesale Florists,

RICHMOND, INDIANA.

Mention Review when you write.

Specimen Plants...

PANDANUS VEITCHII.

in 7, 8, 9 and 10-inch pots, at \$1.50 to \$5.00 each. The 9 and 10-inch are pedestal grown.

JOHN WELSH YOUNG,

Upsal Station, Penna. R. R.

GERMANTOWN, PHILADELPHIA.

Mention the Review when you write.

CHAS. D. BALL,

GROWER

....OF

Palms, Etc.

Send for Price List.

HOLMESBURG, PHILADELPHIA, PA.

Mention the Review when you write.

The Anna Foster Fern

VERY LOW PRICES. LARGE STOCK.

Cut from bench for 6-in., \$35.00 per 100. Beautiful plants in pots, 5-in. \$4.00, 6-in. \$9.00, 7-in. \$15.00, 8-in. \$24.00, 9-in. \$36.00 per doz.; 10-in. \$4.00, 12-in. \$5.00 each.

BOSTON FERNS.

Very full, large plants, cut from bench, \$50.00 per 100.

Asparagus Plumosus Nanus.

3-in., \$3.00 per 100. **SPRENGERI**—3-in. \$5.00 per 100. Just right for pans.

Kentia Palms. Ficus.

L. H. FOSTER,

45 King Street, **DORCHESTER, MASS.**

Mention the Review when you write.

Wholesale Cut Flower Prices.

Philadelphia, Nov. 11.

	Per doz.
Beauties, Specials.....	\$ 2.50 to \$4.00
No. 1.....	1.50 to 2.00
Shorts.....	.75 to 1.00
Queen of Edgely, No. 1.....	2.00 to 3.00
No. 2.....	1.50
No. 3.....	.75 to 1.50
Per 100	
Bride and Bridesmaid, Specials...	4.00 to 6.00
No. 2.....	2.00 to 3.00
Golden Gate, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Kaiserin, Firsts.....	5.00 to 8.00
Seconds.....	3.00 to 4.00
Meteor, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Perle.....	2.00 to 4.00
Sunrise.....	3.00 to 5.00
Ideal	4.00 to 8.00
Liberty, Firsts.....	6.00 to 12.00
Seconds.....	3.00 to 5.00
Orchids—Goddesses.....	40.00
Cypripediums	15.00
Carnations, Commons.....	1.00 to 1.50
Selects	2.00
Mrs. Lawton, etc.....	3.00
Enchantress.....	4.00
Adiantum Cuneatum.....	.75 to 1.00
Asparagus Plumosus, Strings.....	35.00 to 50.00
Bouvardia.....	2.00 to 2.50
Chrysanthemums, Ordinary.....	4.00 to 8.00
Fancy.....	10.00 to 25.00
Lily of the Valley.....	3.00 to 5.00
Mignonette, Ordinary.....	2.00 to 3.00
Sweet Peas.....	.75 to 1.00
Violets, ordinary .....	.25 to .50
Extra.....	.50 to 1.00

GRAND RAPIDS, MICH.—George Hopp has a large house of his seedling rose, now offered by John Breitmeyer's Sons, Detroit, who have exclusive sale of the stock. Mr. Hopp is cutting 200 to 300 blooms a day and finds it a fine seller.

EDWARD REID,

WHOLESALE FLORIST.

Beauties, Kaiserins, Chrysanthemums, Valley.

1526 Banstead St., PHILADELPHIA.

Store closes at 8 p. m.

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WILLIAM J. BAKER,

WHOLESALE FLORIST,

Chrysanthemums!

1432 South Penn Square, Philadelphia.

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128 N. 6th Street, MINNEAPOLIS, MINN.

Wholesale Cut Flowers and Supplies.

WILD SMILAX—Flowers billed at market prices.

Shippers of Choice Cut Flowers and Greens of all kinds. T-y us.

HOLTON & HUNKEL CO.

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MILWAUKEE, - WIS.

The F. R. Williams Co.

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CLEVELAND, - OHIO.

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For plants, bulbs or cut blooms. Address

W. P. PEACOCK,

Dahlia Specialist. **ATCO, N. J.**

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"Fancy" Tea Roses

EXTRA FINE STOCK, with long stem and finest buds. All varieties.

If you use this kind we can furnish them FINE AS CAN BE GROWN, FRESH CUT and shipped direct from our greenhouses.

Write for price list.

HELLER BROS.

South Park Floral Co., NEW CASTLE, IND.

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Charles Millang, New York 50 W. 29th St.
 We are headquarters for every kind of Cut Flowers in their season.
 "THE LILY KING." Reasonable Prices. Square Dealing
 Out-of-town florists promptly attended to. Telephone for what you want.
 Tel. 2230 Madison Square.

Moore, Hentz & Nash Wholesale Florists. 55-57 W. 26th St.
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 SHIPPING ON COMMISSION.
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BRADSHAW & HARTMAN,
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 Consignments Solicited.
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 Beauties, Meteors, Brides and Bridesmaids are the leaders.
 THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
ORCHIDS A SPECIALTY.
 HEADQUARTERS FOR NOVELTIES

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WHOLESALE COMMISSION,
 The largest commission house in America for **57 W. 28th Street, NEW YORK.**
 Roses, Violets and all other varieties of Cut Flowers. Telephone 2200 Madison Square.
 My large shipping trade enables me to command the highest prices, which ring, connects you with all our **TELEPHONES.**
 Special arrangements this season for the extensive handling of American Beauties.
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WALTER F. SHERIDAN,
 Wholesale Commission Dealer in
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 39 West 28th St., NEW YORK.
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 Receiving Extra Quality American Beauties and all other varieties of Roses.
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 Cut Flower Exchange.
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 AN UNEQUALLED OUTLET FOR CONSIGNED FLOWERS.
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 Consignments receive conscientious and prompt attention. Highest market price guaranteed.
 The finest stock in the market always on hand.
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SLINN & HUGHES
 WHOLESALE FLORISTS.
 Coogan Building, NEW YORK.
 55 and 57 West 26th Street,
 Telephone 2239 Madison Sq.
 VIOLETS and SWAINSONA our specialties.
 Shipping orders receive prompt attention.
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THE REGAN ...PRINTING HOUSE...
 Nursery... Seed... Florists'... **Catalogues**
 87-91 Plymouth Place, Chicago.
 Mention the Review when you write.
 Always mention the Florists' Review when writing advertisers.

Wholesale Cut Flower Prices.

New York, Nov. 9.

	Per 100
Beauties, Specials	\$8.00 to \$10.00
" Extra	4.00 to 6.00
" No. 1	2.00 to 4.00
" Shorts	1.00 to 2.00
Brides and Maids, Specials	3.00 to 4.00
" Extra	2.00 to 3.00
" No. 1	1.00 to 1.50
" No. 2 .....	.50 to 1.00
Golden Gate	1.00 to 4.00
Liberty	1.00 to 4.00
Meteor	1.00 to 3.00
Cattleyas	25.00 to 35.00
Cypripediums	10.00 to 12.00
Dendrobium formosum	30.00 to 40.00
Carnations, Common .....	.50 to .75
" Selects .....	.50 to .75
" Fancies .....	.75 to 1.00
" Novelties	1.00 to 2.00
Asparagus plumosus, Strings	25.00 to 50.00
" Sprenger, bunch .....	.10 to .15
Chrysanthemums, ordinary	2.00 to 3.00
" fancy	6.00 to 12.00
" novelties	12.00 to 25.00
Lilium Harrisii	5.00 to 8.00
Lily of the Valley	1.00 to 3.00
Smilax	5.00 to 8.00
Violets, ordinary .....	.25 to .50
" extra .....	.50 to .75

These are Monday's prices. From Monday to Friday the bottom can fall out of anything. It did last week and it may this, although it seems as though the limit had been reached. Even the low prices quoted are far above values at the sacrifices the wholesalers have to make to dispose of the accumulation.

GEO. SALTFOORD,
 Author of "HOW TO MAKE MONEY GROWING VIOLETS."
WHOLESALE FLORIST,
 46 West 29th Street, NEW YORK CITY.
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 CONSIGNMENTS OF ALL FIRST-CLASS FLOWERS SOLICITED.
VIOLETS our specialty.
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GALAX. Bronze or Green, 75c per 1000 in 2000 lots or more.
 Leucothoe Sprays, Green, 90c per 100.
 Southern Smilax, fresh stock, per 50-lb. case, \$6.00; per 25-lb. case, \$3.50.
 Green Sheet Moss, choice stock, \$2.50 per barrel sack.
 Sphagnum Moss, \$1.75 per large bale.
Florists' Supplies of every description.
L. J. Kreshover, 110-112 West 27th St. New York.
 TEL. 597 MADISON SQUARE.
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JOHN YOUNG
 51 W. 28th St., NEW YORK.
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ORCHIDS CATTLEYA LABIATA and all other choice Orchids in season.
 Everything in Cut Flowers—the best in the market.
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New York
 Send for Quotations
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H. C. RIEDEL. F. D. SPICER.
Riedel & Spicer
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 Strictly Wholesale, 34 W. 29th Street,
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 55 and 57 West 26th Street,
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 Daily Reports. Weekly Payments.
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VALLEY, FARLEYENSE,
CARNATIONS Shipped at New York Prices
ALFRED H. LANGJAHR,
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 CONSIGNMENTS SOLICITED—PROMPT PAYMENTS.
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The Philadelphia Wholesale Flower Market.

The Finest Beauties and Double Violets in Philadelphia.

Chrysanthemums, Liberties. EVERYTHING SEASONABLE.

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WANTED a few more reliable growers of Carnations and Violets. Only first-class stock handled.

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Special conveniences for both Wholesalers and Retailers this season. None better in the country.

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Phone 299 Madison Sq.

OPEN FROM 6:00 A. M. TO 6:00 P. M.
Everything for the Florist in Seasonable Flowers all the year around.

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Kurzman-Dacre Company

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Telephone No. 2165 Madison Sq.

GALAX! Galax!

C. W. BURLESON & SON,
LINVILLE, N. C.

The best place to get the best Galax Leaves. All orders receive personal and prompt attention. Prime stock. Prices right. Mention the Review when you write.

We are headquarters for HARDY CUT FERNS!

Fancy or Dagger, 75c per 1000. Contracts made to supply the year around. Use our Laurel Festooning. It's the best decorative material to be found, we make it fresh daily, 4c, 5c and 6c per yd. Bargains in Galax, A No. 1 quality, Bronze or Green, 75c per 1000 in 10,000 lots. Mosses, &c. Send us your wants and be well satisfied.



Tel. Office, New Salem.
Long distance telephone connections.

Wholesale Cut Flower Prices.

Buffalo, Nov 11.

	Per 100
Beauties, Specials.....	\$20.00 to \$25.00
Extra.....	10.00 to 15.00
No. 1.....	5.00 to 8.00
Shorts.....	2.00 to 3.00
Brides and Maids, Extra.....	6.00 to 7.00
No. 1.....	4.00 to 5.00
No. 2.....	1.00 to 2.00
Carnot.....	2.00 to 7.00
Cusin.....	2.00 to 4.00
Golden Gate.....	1.00 to 6.00
Kaiserin.....	2.00 to 7.00
Liberty.....	2.00 to 8.00
Meteor.....	2.00 to 6.00
Mrs. Morgan.....	2.00 to 5.00
Perle.....	1.00 to 5.00
Sunrise.....	1.00 to 3.00
Orchids—Cattleyas.....	50.00 to 60.00
Carnations, Common.....	.75 to 1.00
Selects.....	1.25 to 2.00
Fancies.....	2.50 to 3.00
Novelties.....	4.00 to 5.00
Adiantum Cuneatum.....	.50 to 1.00
Farleyense.....	8.00 to 10.00
Asparagus plumosus, Strings.....	40.00 to 60.00
Sprays.....	1.00 to 2.00
Sprengerl.....	1.00 to 3.00
Callas.....	10.00 to 12.00
Chrysanthemums, Ordinary.....	3.00 to 10.00
Fancy.....	12.50 to 20.00
Lil. Longiflorum.....	15.00
Lily of the Valley.....	2.00 to 5.00
Mignonette.....	1.00 to 4.00
Smilax.....	10.00 to 15.00
Sweet Peas.....	.60 to 1.00
Violets, ordinary.....	.40 to .50
extra.....	.60 to .70
Galax.....	.15
Leucothoe.....	.50 to .75
Common Ferns.....	.15

Baltimore, Nov. 11.

	Per 100
Am. Beauty No. 1.....	\$10.00 to \$15.00
Shorts.....	3.00 to 8.00
Bride and Bridesmaid.....	3.00 to 4.00
Golden Gate.....	3.00 to 4.00
Kaiserin.....	3.00 to 4.00
Liberty.....	3.00 to 4.00
Meteor.....	3.00 to 4.00
Perle.....	2.00 to 4.00
Carnations, Commons.....	1.25 to 1.75
Selects.....	1.50 to 2.00
Asparagus plumosus, Sprays.....	1.75 to 2.00
Sprengerl, Sprays.....	1.75 to 2.00
Callas.....	6.00 to 8.00
Chrysanthemums, ordinary.....	2.00 to 5.00
fancy.....	6.00 to 20.00
Lily of the Valley.....	3.00 to 4.00
Violets.....	.50 to .75

Last week developed probably the greatest slump on record here. Outdoor stock was abundant, the weather summer-like, and all cut flowers in excess of requirements. Friday there was a drop in temperature to below freezing.

L. B. BRAGUE, HINSDALE, MASS.

Wholesale Dealer in
Baled
Spruce Boughs
for Cemetery and Park use.

Also Wholesale Dealer in
Xmas Trees, Hardy Cut Ferns,

BOUQUET GREEN,
SPHAGNUM MOSS, etc., etc.
Special attention paid to furnishing in carload lots. Write for prices and terms.
Mention the Review when you write.

TOP GRADE FOR SHIPPING.

AMERICAN BEAUTY, BRIDESMAID, BRIDE, LIBERTY, METEOR, LILY OF THE VALLEY, CARNATIONS.

JOHN I. RAYNOR,

49 West 28th St., NEW YORK.
Telephone 1998 Madison Square.
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FRANK H. TRAENDLY. CHARLES SCHENCK.
TRAENDLY & SCHENCK,
Wholesale Florists
AND CUT FLOWER EXCHANGE
38 W. 28th St., NEW YORK.
Telephones 798 and 799 Madison Square. CONSIGNMENTS SOLICITED.

Mention the Review when you write.

Hicks & Crawbuck,

Wholesale Florists and
Dealers in Florists' Supplies,
108 Livingston Street, BROOKLYN, N. Y.
Tel. 3680-3661 Main.
Mention The Review when you write.

FORD BROS.

111 W. 30th Street, NEW YORK.
Telephone 157 Madison Square.
The LARGEST SHIPPERS AND RECEIVERS OF Fresh Cut Flowers
A complete assortment of the best in the market can always be relied upon.
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AUGUST MILLANG,

Wholesale Commission dealer in Cut Flowers
55-57 W. 26th St., NEW YORK CITY.
Coogan Building, Violets and Carnations our specialties.
Tel. No. 299 Madison Square.
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N. LECAKES & CO.

45 West 29th St., NEW YORK
Tel. No. 1214 Madison Sq.
and
53 W. 28th St. (Basement)
Tel. 1797 Madison Sq.
Stands at Cut Flower Exchange Coogan Bldg., W. 26th St., and 34th Street Cut Flower Market.
— SPECIALTIES —
GALAX LEAVES, FERNS and LEUCOTHOE SPRAYS.
Mention the Review when you write.

I CANNOT do without the REVIEW, as it is the best guide as to where to buy stock, and if I have anything to sell I can't do better than to advertise in the REVIEW.—E. O'NEIL, Wheeling, W. Va.

Wholesale Cut Flower Prices.

Chicago, Nov. 11.		
		Per doz.
Beauties 36-inch stems.....		\$4.00
" 30 ".....		3.00
" 24 ".....		2.50
" 20 ".....		2.00
" 16 ".....		1.50
" 12 ".....		1.00
" Shorts.....		.75
Per 100		
Bridesmaids, Specials.....	\$4.00 to	\$6.00
Firsts.....	2.00 to	3.00
Brides, Specials.....	4.00 to	6.00
Firsts.....	2.00 to	3.00
Kaiserin.....	3.00 to	10.00
Liberty, Specials.....	10.00 to	12.00
Firsts.....	6.00 to	8.00
Seconds.....	3.00 to	5.00
Golden Gate, Firsts.....	4.00 to	5.00
Seconds.....	2.00 to	3.00
Meteor, Firsts.....	4.00 to	6.00
Seconds.....	2.00 to	3.00
Mme. Chatenay, Firsts.....	6.00 to	8.00
Seconds.....	3.00 to	5.00
Carnot, Firsts.....	6.00 to	10.00
Seconds.....	3.00 to	4.00
Ivory, Firsts.....	4.00 to	6.00
Seconds.....	2.00 to	3.00
Sunrise, Firsts.....	4.00 to	6.00
Seconds.....	2.00 to	3.00
Perles, Firsts.....	4.00 to	5.00
Seconds.....	2.00 to	3.00
Carnations, Fancy.....	1.50 to	3.00
Commons.....		1.00
Violets.....	.50 to	1.00
Chrysanthemums, \$1.00 to \$3.00 doz.		
Easter Lilies, \$2.00 doz.		
Callas, \$1.50 per doz.		
Valley.....	3.00 to	5.00
Adiantum cuneatum.....	.75 to	1.00
Asparagus plumosus, Strings.....	25.00 to	50.00
Sprays.....	2.00 to	3.00
Asparagus Sprengeri, Sprays.....	3.00 to	6.00
Smilax.....	\$1.25 to \$1.50 per doz.	
Common ferns, per 1000.	\$1.50.	
Galax Leaves, \$1.00 to \$1.50 per 1000		

Milwaukee, Nov. 11.		
		Per 100
Beauties, Extra.....	\$18.00 to	\$25.00
" No. 1.....	10.00 to	15.00
" Shorts.....	6.00 to	8.00
Brides and Maids, Specials.....		6.00
" Extra.....		5.00
" No. 1.....		4.00
" No. 2.....		2.00
Golden Gate.....	4.00 to	6.00
Kaiserin.....	4.00 to	6.00
Liberty.....	4.00 to	6.00
Meteor.....	4.00 to	6.00
Perle.....	3.00 to	5.00
Carnations, Selects.....		1.00
Fancies.....	2.00 to	3.00
Asparagus plumosus, Strings.....		50.00
Sprays.....	2.00 to	4.00
" Sprengeri.....	2.00 to	4.00
Callas.....		10.00
Chrysanthemums, Ordinary.....	4.00 to	6.00
Fancy.....	10.00 to	20.00
Smilax.....		15.00
Violets, ordinary.....		.50
extra.....		1.00
Common Ferns.....		.20

Lake View
Rose Gardens

Wholesale Growers and Dealers in

Carnations, Cut Flowers
Roses, and Supplies.
American Beauties,
Chrysanthemums, Lilies, Smilax
and Asparagus. 75,000 Cut Bloom
Chrysanthemums.

JAMESTOWN, N. Y.

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Lily of the Valley

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1409 W. Madison St., CHICAGO.

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E. H. HUNT

THE "OLD RELIABLE" FOR

Wholesale
Cut Flowers

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

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Bassett & Washburn

76 Wabash Ave., CHICAGO, ILL.

WHOLESALE GROWERS OF
AND DEALERS IN CUT FLOWERS

Greenhouses at Hinsdale, Ill.

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A. L. RANDALL,

Wholesale Florist

Don't forget we are at
19 and 21 RANDOLPH ST., CHICAGO.

Write for special quotations on large orders.

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J. A. BUDLONG

37-39 Randolph Street CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER of CUT FLOWERS

WIETOR BROS.

Wholesale
Growers of.. Cut Flowers

All telegraph and telephone orders
given prompt attention.

51 Wabash Avenue, CHICAGO.

Mention the Review when you write.

BRANT & NOE

FLORAL COMPANY,

58-60 Wabash Ave., CHICAGO.

Wholesale Growers of Cut Flowers.
Regular standing orders solicited.
Every facility for prompt shipment.

JOHN MUNO,

WHOLESALE
GROWER OF Cut Flowers,

51 Wabash Avenue, - - CHICAGO.

GREENHOUSE, ROGERS PARK, ILL.
Telephone Central 3548.

Mention Review when you write.

SINNER BROS.

Wholesale Growers CUT FLOWERS
and Shippers of

58-60 WABASH AVE., CHICAGO, ILL.

With the Flower Telephone—
Growers' Co. Central 3067.

All telephone and telegraph orders
given prompt attention.

Mention the Review when you write.

FRANK GARLAND,

Wholesale
Grower of Cut Flowers.

Special attention
given to Hardy Cut FERNs.

55-57 Wabash Avenue, CHICAGO, ILL.

Telephone Central 3284.

Mention Review when you write.

WEILAND & RISCH

WHOLESALE GROWERS AND SHIPPERS OF

59 WABASH AVE. CUT FLOWERS CHICAGO

Poehlmann Bros.

Wholesale
Growers of
and Dealers in Cut Flowers.

All telegraph and telephone orders given prompt
attention. Greenhouses: Morton Grove, Ill.

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Lily of the Valley

of good quality always on hand.

AUGUST JURGENS,

134 to 144 Herndon St., CHICAGO.

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BENTHEY & CO.

35 Randolph Street, CHICAGO.

F. F. BENTHEY, Manager. Wholesale and
Consignments Solicited. Commission

FLORISTS

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C. A. DUNN & CO. Wholesale Florists.

CUT FLOWERS and Florists' Supplies.

WE CAN GIVE YOU EVERYTHING NECESSARY FOR YOUR WORK.
ORDER SUPPLIES WHEN ORDERING FLOWERS—IT WILL SAVE TIME.

Bell and Keystone Telephones. 1516 - 1518 Sansom Street, PHILADELPHIA.

MICHIGAN CUT FLOWER EXCHANGE.

WM. DILGER, Manager.

WHOLESALE FLORISTS AND CUT FLOWER COMMISSION.

Full line of FLORISTS' SUPPLIES and SUNDRIES.

All CUT FLOWERS in season. Send for Weekly Price List.
1,000,000 FANCY FERNS, \$1.00 per 1000. 200,000 Bronze GALAX, 26 Miami Ave., Detroit, Mich.
\$1.00 per 1000 in 5000 lots; \$9.00 per case of 10,000.

Wholesale Cut Flower Prices.

Detroit, Nov. 11.

	Per 100
Beauties, Specials.....	\$30.00
Extra.....	25.00
No. 1.....	20.00
Shorts.....	5.00 to 15.00
Brides and Maids, Specials.....	8.00
Extra.....	7.00
No. 1.....	6.00
No. 2.....	3.00 to 5.00
Cusin.....	4.00 to 6.00
Golden Gate.....	4.00 to 8.00
Kaiserin.....	4.00 to 8.00
Meteor.....	4.00 to 8.00
Mrs. Morgan.....	4.00 to 8.00
Perle.....	4.00 to 8.00
Orchids, Cattleyas.....	50.00
Cypripediums.....	25.00
Carnations, Common.....	3.00
Adiantum Cuneatum.....	1.00
Asparagus plumosus, Strings.....	40.00 to 60.00
Sprengerl.....	2.00 to 4.00
Callas.....	12.50
Chrysanthemums.....	4.00 to 25.00
Lilium Harrisli.....	15.00
Lily of the Valley.....	4.00 to 6.00
Smilax.....	12.50
Violets, ordinary.....	.40
extra.....	.75
Galax.....	.10
Common Ferns.....	.10

Cincinnati, Nov. 11.

	Per 100
Beauties, Specials.....	\$35.00
Extra.....	20.00 to 30.00
No. 1.....	12.50 to 15.00
Shorts.....	6.00 to 8.00
Brides and Maids, Extra.....	4.00 to 5.00
Specials.....	6.00
No. 1.....	2.00 to 3.00
Cusin.....	2.00 to 4.00
Golden Gates.....	2.00 to 6.00
Kaiserin.....	2.00 to 6.00
Liberty.....	2.00 to 8.00
Meteor.....	2.00 to 6.00
Perle.....	2.00 to 5.00
Sunrise.....	2.00 to 6.00
Carnations, Commons.....	1.00
Selects.....	1.50 to 2.00
Fancies.....	2.50 to 3.50
Adiantum Cuneatum.....	.50 to 1.50
Asparagus plumosus, strings.....	35.00 to 50.00
sprays.....	4.00 to 5.00
Sprengerl.....	2.00 to 3.00
Callas.....	8.00 to 10.00
Chrysanthemums, ordinary.....	6.00 to 8.00
fancy.....	12.50 to 35.00
Lily of the Valley.....	3.00 to 4.00
Smilax.....	12.50 to 15.00
Violets, ordinary.....	.35 to .50
Extra.....	.75 to 1.00
Galax.....	.15
Leucothoe.....	.50
Common Ferns.....	.15

CAMBRIDGE CITY, IND.—Oscar Howard has a fine house of carnations.

MADISON, O.—Carl Hagenburger, of West Mentor, has taken possession of the greenhouses recently purchased from Daniel Lee.

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Cut Flowers and Florists' Supplies.

Manufacturers of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

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Grower and Commission Dealer in.....

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Galax 75c a 1000
Picked by our own men in Banners Elk, N. C.

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GALAX 50 cents a 1000

LEUCOTHOE SPRAYS \$2.00 a 1000

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St. Louis, Nov. 11.

	Per dozen
Beauties, Specials.....	\$2.50 to \$3.00
Extra.....	1.50 to 2.00
No. 1.....	.75 to 1.00
Shorts.....	.50 to .60
Brides and Maids, Specials.....	4.00 to 5.00
Extra.....	2.00 to 3.00
No. 1.....	1.00 to 1.50
Carnot.....	4.00 to 6.00
Golden Gate.....	4.00 to 6.00
Kaiserin.....	4.00 to 6.00
Liberty.....	3.00 to 4.00
Meteor.....	3.00 to 4.00
Perle.....	3.00 to 4.00
Sunrise.....	3.00 to 4.00
Carnations, Selects.....	1.00 to 1.50
Fancies.....	2.00 to 2.50
Adiantum Cuneatum.....	1.00 to 1.25
Farleyense.....	1.00 to 1.25
Asparagus plumosus, Strings.....	35.00 to 50.00
Sprays.....	1.25 to 1.50
Sprengerl.....	1.25 to 1.50
Callas.....	10.00 to 12.00
Chrysanthemums, ordinary.....	4.00 to 6.00
Fancy.....	20.00 to 25.00
Lily of the Valley.....	4.00 to 5.00
Narcissus.....	3.00 to 4.00
Smilax.....	12.50 to 15.00
Violets, ordinary.....	.25 to .35
extra.....	.40 to .50

Pittsburg, Nov. 11.

	Per 100
Beauties, Specials.....	\$20.00 to \$25.00
Extra.....	12.00 to 15.00
No. 1.....	6.00 to 8.00
Shorts.....	2.00 to 4.00
Brides and Maids, Specials.....	6.00
Extra.....	4.00 to 5.00
No. 1.....	2.00 to 3.00
No. 2.....	1.00
Cusin.....	2.00 to 4.00
Golden Gate.....	1.00 to 4.00
Kaiserin.....	2.00 to 6.00
Liberty.....	2.00 to 6.00
Perle.....	2.00 to 4.00
Carnations, Common.....	.50 to .75
Selects.....	1.00 to 2.00
Fancy.....	2.00 to 3.00
Adiantum Cuneatum.....	.75 to 1.00
Asparagus plumosus, Strings.....	30.00 to 50.00
Sprays.....	2.00 to 3.00
Chrysanthemums, ordinary.....	4.00 to 8.00
fancy.....	12.00 to 25.00
Lilium Longiflorum.....	10.00 to 12.00
Lily of the Valley.....	3.00 to 4.00
Mignonette, ordinary.....	.50 to 1.00
Smilax.....	10.00 to 12.50
Sweet Peas.....	1.00 to 1.50
Violets, ordinary.....	.25 to .50

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THE FINEST OF EVERYTHING IN SEASON. PLENTY OF... SELECT VALLEY and AMERICAN BEAUTIES

Write us when in need of CHOICE STOCK.

A complete line of FLORISTS' SUPPLIES.

Mention Review when you write.

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Out-of-town orders for delivery in New York carefully and promptly filled at reasonable prices.

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Here are made the Ribbons which are so well and so favorably known to discerning florists. The "Right Ribbons" for your use—quality, colors, widths. When you save all between profits, you get quality—and pay less than formerly. "Holly" color will be much in demand for your Thanksgiving and Christmas work. Write for samples of this or anything else in ribbons.

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Headquarters
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Fine "PIERSONI" in 2 1/4-inch pots.

The Cottage Gardens' Collection of Cannas.
Grand stock. Send for particulars.

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Very strong 2-inch Brides, fine stock to follow Mums, \$1.00 per 100; \$35.00 per 1000. Stock sure to please. Joost Scott, Triumph Carnations, field, \$5.00 per 100 for strong stock. 4-inch Hot Water Pipe \$10.00 per 100 feet.

H. GULLETT & SONS, - - Lincoln, Ill.

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I have about 15,000 GERANIUMS

Rooted Cuttings

left of the following varieties:

S. A. NUTT, GRANT,
JEAN VIAUD, MRS. E. G. HILL,
and LA FAVORITE,

\$1 per 100; \$10 per 1000

Orders must be received before Dec. 1 at these prices as we need the space in the benches then for carnations. Also

3,000 same varieties in 2 1/4-inch, \$1.50 per 100. Cash please.

F. E. BONHAM, Macomb, Ill.

Kentia Belmoreana!

Pots.	Leaves.	Height.	Per 100	Per 1000
2 1/4-in.	4 to 5	18 to 20 in.	\$10.00	\$ 85.00
3-in.	4 to 6	20 to 24 in.	15.00	115.00
4-in.			20.00	160.00

Asparagus Plumosus.

2 1/4-in. pots	\$3.50 per 100	\$30.00 per 1000
3-in. pots	7.00	65.00

Sprengeri Plants,

Well grown, ready for

3 -inch pots	\$3.50 per 100	\$30.00 per 1000
4 1/2-inch pots	5.00	45.00
6 -inch pots	10.00	85.00

Rooted Carnation Cuttings.

Lillian Pond	\$5.00 per 100	\$40.00 per 1000
Enchantress	6.00	50.00

Lawson	\$3.00 per 100	\$25.00 per 1000
Prosperity	3.00	25.00

Delivery December 1st.

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Price \$5 per 100

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THE LIVINGSTON SEED CO.

Columbus, Ohio.

75,000 Geranium Cuttings.

Our cuttings this fall are perfection. Order now and secure the best stock of the only ones to grow for profit. Jean Viaud (pink), S. A. Nutt (crimson), Alp. Ricard (scarlet), Mme. Buchner (white), Mrs. E. G. Hill, Beate Poltevine (salmons), all semi-double, strong rooted cuttings, \$1.25 per 100; \$12.00 per 1000. Field plants of the above var., 12 to 18 in. high, \$1.00 per 25; \$3.00 per 100.

Petunias—Double fringed, 12 varieties selected from Henderson's and Dreer's latest sets, including **Snow Storm**, strong rooted cuttings, \$1.00 per 100; \$9.00 per 1000.

Salvia—The two best, St. Louis and Bonfire, rooted cuttings, \$1.00 per 100; \$8.00 per 1000.

Smilax—Strong plants from 2 1/4-inch pots, \$1.00 per 100; \$8.00 per 1000. Samples gladly sent.

Carnations—Cut blooms of all the standard sorts. First quality, \$2.00 per 100; seconds, short stem for design work, \$1.50 per 100.

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Strong Plants—carefully packed. Omega, finest early yellow and Geo. S. Kalb, the choicest early white, at \$5.00 per 100; 75c per doz. The following standard sorts at \$1.00 per 100; 60c per doz.:—Bonaffon, White Bonaffon, Robinson, Modesto, Childs, Glory of Pacific, Polly Rose, Ivory, pink and white; Montmort, Wanamaker, Appleton and H. A. Parr. About 1000 2-in. Sprengeri left, ready for 3-in. pots, at \$3.00 per 100. We are headquarters for CARNATION, MUM and STEVIA CUTTINGS in season.

JOHN BROD, Wholesale Florist,
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Per 100	In.	Each
2 1/4-in. Bostons	\$ 5.00	2 1/4 Pierioni Ferns, \$0.25
3-in.	10.00	3-in. " .50
4-in.	15.00	4-in. " .75
5-in.	25.00	5-in. " 1.00
6-in.	40.00	6-in. " 1.50
7-in.	60.00	7-in. " 2.50
8-in.	Each	8 extra specimen. 3.00
10-in.	\$1.00 to 1.50	
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Best value for your money in the West.

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Abutilons in variety, 40c doz., \$2.00 100.
R. Vincent, Jr. & Son, White Marsh, Md.

ACALYPHAS.

Acalypha Macafeana, 40c doz., \$2.50 100.
R. Vincent, Jr. & Son, White Marsh, Md.

ADIANTUM.

ADIANTUM CUNEATUM. A fine lot of heavy 4-inch pot plants, \$1.25 per doz.; \$10.00 per 100.
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AGERATUMS.

Ageratums Stella Gurney and White, 40c doz., \$2.00 100.
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Brilliantissima, the new alternanthera. The finest of all the varieties. Just what you want if you want the best. \$6 per 100; \$50 per 1000.
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Alternantheras, 7 varieties, \$2.00 100, \$17.50 1000. R. Vincent, Jr. & Son, White Marsh, Md.

ALYSSUM.

Alyssum, double, 3-in., \$2.50 100. Cash.
Converse Greenhouses, Webster, Mass.

AMPELOPSIS.

Ampelopsis Veitchii, 1 to 3 ft., 2-yrs., field, transplanted, strong, \$4.00 per 100, \$35.00 per 1000. Honeysuckle, Hall's Japan and Golden, layers, 1 to 2 ft., \$3.50 per 100, \$25.00 per 1000. Cash with order. Walter H. Harrison, 1726 Lindenwood St., Philadelphia, Pa.

100,000 Ampelopsis Veitchii, 1, 2 and 3 years old. Prices on application.
McColgan Bros., Red Bank, N. J.

Ampelopsis Veitchii, 2-yr., 10c; 2nd, size, 5c. Cash.
W. H. Salter, Rochester, N. Y.

ANEMONES.

Anemone Japonica, 10,000 Alba, \$5.00 100; \$45.00 1000. 10,000 Rubra, \$5.00 100; \$45.00 1000. 10,000 Whirlwind, \$5.00 100; \$45.00 1000. 3,000 Queen Charlotte, \$6.00 100; \$50.00 1000. Other perennials, phlox, achillea, iris, monarda, Hemerocallis flava, Clematis paniculata, etc. Write for prices on what you want.
Geo. J. Keller, Rochester, N. Y.

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ARAUCARIA EXCELSA. Perfect, well-shaped stock.

In. pots.	In. high.	Tiers.	Each.
4	10 to 12	3	\$0.50
6	14 to 16	3 to 4	.75
6	16 to 18	4 to 5	1.00
6	18 to 20	4 to 5	1.25
7	22 to 24	4 to 5	1.50

HENRY A. DREER, Philadelphia, Pa.

Spring importation of Araucaria excelsa, our specialty.

In. pots.	In. high.	Tiers.	Each.
5 1/2	13-16	3-4	\$0.60
5 1/2-6	15-17 very broad		.75

12 inches high, 3 tiers, 50c each. Slightly damaged araucarias, 10 to 12-in., 30c each.
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Araucaria excelsa, 2-in. pots, 2 tiers, \$16.00 100. A. imbricata, 2 1/2-in. pots, strong plants, \$10.00 100.
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John Bader, Troy Hill, Allegheny City, Pa.

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Ardisias with berries, in 4-in., \$3.50 per doz.
H. Steinmetz, Raleigh, N. C.

ASPARAGUS.

Well-grown Sprenger plants ready for

3-inch	\$3.50 100	\$30.00 1000
4 1/2-inch	5.00 100	45.00 1000
6-inch	10.00 100	85.00 1000

Asparagus plumosus, 2 1/2-in., \$3.50 100, \$30.00 1000; 3-in., \$7.00 100, \$65.00 1000.
S. S. Pennock, 1612 Ludlow St., Philadelphia.

Plumosus nanus, 2 1/2-in. pots, \$3.50 per 100. Sprenger, 2 1/2-in., ready for 3 1/2-in., \$2.00 per 100; \$17.50 per 1000.
JACKSON & PERHINS Co., Newark, New York.

Asparagus plumosus, strong 2 1/2-in., \$3.00 100, \$25.00 1000; Asparagus Sprenger, \$2.00 100, \$15.00 1000. Cash.
G. M. Naumann, Doan St., Cleveland, O.

Asparagus plumosus nanus, 3-in., \$6.00 per 100; \$50.00 per 1000. A. Sprenger, 2 1/2-in., \$18.00 per 1000.
Carl Hagenburger, W. Mentor, Ohio.

Asparagus Sprenger, 2-in., \$1.50 per 100, \$12.00 per 1000. Well grown stock; satisfaction guaranteed.
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Asparagus Sprenger, strong plants, 2 1/2-in., \$3.00; 3-in., \$4.00; 4-in., \$8.00; 5-in., \$15.00; 6-in., \$25.00 100. J. H. Bornhoeft, Tipton, Ind.

Asparagus plumosus, 2-in., \$5.00; 2 1/2-in., \$8.00. Sprenger, 2-in., \$3.50; 3-in., \$5.00; 4-in., \$10.00 100. Geo. A. Kuhl, Pekin, Ill.

Asparagus plumosus, 3-inch pots, \$7.00 per 100. Asparagus Sprenger, 8-inch pots, 50c each.
P. Wagner, Troy Avenue, Flatbush, N. Y.

Asparagus comorensis, extra strong select stock, 3-in., \$10.00 100; 3 1/2-in., \$12.00 100.
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Asparagus Sprenger, from flats, \$1.00 100, \$8.00 1000; 2 1/2-in., \$1.50 100, \$12.50 1000.
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Asparagus plumosus 3-in., \$8.00 100. Sprenger, 3-in., \$5.00 100. Just right for pans.
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ASPARAGUS PLUMOSUS NANUS.

Out strings, 50 cents each.

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Asparagus plumosus nanus, 2 1/2-in., fine, \$4.00 100; 4-in. stock at \$8.00 100.
The McGregor Bros. Co., Springfield, O.

Asparagus plumosus, 3-in., 6c; 4-in., 12 1/2c; 6-in., fine, large plants, 25c.
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Asparagus plumosus, 4-in. pots, \$12.50 per 100. Cash with order.
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Asparagus Sprenger, 400 fine 4-inch plants, \$6.00 per 100.
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Asparagus Sprenger, 2-in., ready for 3-in., \$2.00 100.
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Asparagus Sprenger, 2-in., \$1.50 100. Cash.
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Asparagus Sprenger, \$2.00 per 100. Fine plants.
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Asparagus Sprenger, fine 3-inch stock, \$4.00 100.
National Plant Co., Dayton, O.

Asparagus Sprenger, strong 3-in., \$4.00 100.
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Storrs & Harrison Co., Painesville, O.

Asparagus plumosus, 4-in., \$8.00 per 100.
JAMES C. MURRAY, Peoria, Ill.

Asparagus Sprenger, 2 1/2-in., \$2.50 100.
Ridge Lawn Greenhouses, Buffalo, N. Y.

Asparagus Sprenger, 2-in., \$1.20 100.
E. I. Rawlings, Quakertown, Pa.

Asparagus plumosus, all sizes.
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AZALEAS.

AZALEAS FOR FORCING. All the standard American varieties, in bushy, well-budded plants.

	Doz.	100.
10 to 12-inch crowns	\$4.50	\$35.00
12 to 14-inch crowns	6.00	45.00
14 to 16-inch crowns	7.50	55.00

HENRY A. DREER, Philadelphia, Pa.

Azalea Indica, shipments arriving in fine condition. We are offering only best American market varieties; no cheap assorted "case lots."

10 to 12-inch crowns	\$35.00 per 100
12 to 14-inch crowns	45.00 per 100
14 to 16-inch crowns	55.00 per 100

Storrs & Harrison Co., Painesville, O.

AZALEA INDICA. We have the best American leading varieties, about 12 sorts, that money could buy at lower prices than any firm in America, 35c, 40c, 50c, 75c. Specimens, \$1.00 each by the doz. or 100.
Godfrey Aschmann, 1012 Ontario St., Phila.

HARDY AZALEA MOLLIS for forcing early. A fine lot of very bushy plants, 15 inches high, covered with flower buds, \$4.50 per doz.; \$35.00 per 100. For early forcing this type of azalea is becoming more popular every season.
HENRY A. DREER, Philadelphia, Pa.

Azalea indica. We have just received a large consignment of the leading varieties for early and late forcing. Write us for list of varieties and prices.
Ozone Park Nurseries, Ozone Park, L. I., N. Y.

BAY TREES.

Bay Trees. Have just received a fine lot of standards and pyramids.
F. W. O. Schmits, Prince Bay, N. Y.

BEGONIAS.

Rex begonias, a number of the best varieties, 2-in., \$4.00 100. Begonia aurea manicata, 2-in., \$4.00 100.
N. O. CASWELL, Delavan, Ill.

Begonias, 6 leading var., including Pres. Carnot, 4-in. pots, \$8.00 100; 3-in., \$5.00 100.
Godfrey Aschmann, 1012 Ontario St., Phila.

Begonia rubra, fine plants from 2 1/2-in. pots, ready for shifting, \$3.00 100.
The McGregor Bros. Co., Springfield, O.

Gloire de Lorraine begonias, strong, healthy plants, 2-in. pots, \$12.00 100.
Isaac H. Moss, Govanstown, Md.

Begonia rubra and other good varieties, mixed, 2 1/2-in., \$2.50 per 100.
Iola Greenhouses, Iola, Kan.

Double semperflorens, Triumph de Lorraine, strong, 2 1/2-in., 2 1/2c.
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Boston ferns from bench, \$25.00 per 100; 2½-in., \$4.00 per 100. Pierisoni from bench, \$20.00 per 100. Small ferns for dishes, \$25.00 per 1000.

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500 Pierisoni ferns from 3-in. pots, fine low plants, beautiful color, \$25.00 per 100. Less than 100, 30c each.

WILLIAM L. ROCK FLOWER CO., Kansas City, Mo.

Boston ferns, bench-grown, strong, healthy plants, 200 in bench, ready for 6, 7 and 8-in. pots; also about 300 larger plants. Prices on application. Miami Floral Co., Dayton, Ohio.

Boston sword ferns. Strong, bushy plants from bench, ready for 7 and 8-inch pots, 50c each. Cash with order.

H. H. BARROWS & SON, Whitman, Mass.

Adiantum cuneatum, 2½-in., \$2.50 100. Assorted ferns for dishes, \$2.50 100. Boston ferns, 2½-in., \$4.00 100.

Storrs & Harrison Co., Painesville, O.

Boston ferns, 2½-in., \$3.50 per 100; 3½-in., \$6.00 per 100; 4-in., \$8.00 per 100; 5-in., \$12.00 per 100. Fine stock.

The McGregor Bros. Co., Springfield, O.

Boston ferns, 7-in., \$1.00; 8-in., \$1.25; 9-in., \$1.50 each. Cash.

W. J. & M. S. Vesey, Fort Wayne, Ind.

The Pierison fern, a fine stock of this beautiful novelty in splendid condition, 6-in., \$1.00; 8-in., \$1.50 each.

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Boston ferns, 3, 4, 5, 6, 7 and 8 inch, at \$8.00, \$12.00, \$25.00, \$40.00, \$60.00, \$75.00 per 100. Cash, please. A. THORNHILL, Rosedale, Kan.

Boston ferns, 25c, 35c, 50c, 75c, \$1.00 to \$2.00 each. Pierison Fern, from \$1.00 to \$2.00 each. P. Wagner, Troy Ave., Flatbush, N. Y.

Boston ferns, 15c to \$3.00 each. Ferns for fern dishes, fine, \$3.00 100; \$28.00 1000.

Albert Fuchs, 2045 Clarendon Ave., Chicago.

Ferns, 4-in., assorted, \$1.75 doz.; \$12.50 100. 2½-in., assorted, fine stock, \$3.00 100.

John Bader, Troy Till, Allegheny City, Pa.

Boston fern runners, extra nice strong runners from bench at \$15.00 1000.

J. W. Bernard, Marion, Ind.

Fine specimen Bostons, 5-inch pans, \$4.00 doz.; 8-inch, \$10.00 doz. Cash.

National Plant Co., Dayton, O.

Boston ferns, strong plants from bench, 6-in., \$4.00 per doz. Cash.

Mrs. Joe Hudspeth, Boonville, Ind.

Ferns for dishes, 2½c. Boston ferns, 5-in., 25c; 4-in., 15c.

Crown Point Floral Co., Crown Point, Ind.

Boston ferns, bushy, 5-in., \$2.50 doz.; 6-in., \$4.00 doz.

Converse Greenhouses, Webster, Mass.

Boston ferns, all sizes. Fine Pierisoni, in 2½-in. pots.

JOHN SCOTT, Keap St., Brooklyn, N. Y.

Boston ferns, 5-in., \$3.00 doz.

C. Whitton, City St., Utica, N. Y.

Boston ferns, 4-in., \$8.00 100.

T. G. Yale, Wellington, O.

Boston ferns, all sizes.

Julius Roehrs, Rutherford, N. J.

GAILLARDIAS.

Gaillardia grandiflora, July sowing, \$1.00 per 100.

GEO. ENGEL, Xenia, Ohio.

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GENISTA FRAGRANS. A special bargain in a fine lot of shapely, heavy, 6-inch pots, plants which were intended to be carried over for Easter sales and which under ordinary conditions are worth \$50.00 per 100, but which, for the want of room, we are closing out at \$3.50 per doz., \$25.00 per 100.

HENRY A. DREER, Philadelphia, Pa.

BUSINESS BRINGERS—

Review

Classified Advs.

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Geraniums, from 2½-inch pots. Good semi-double varieties only. Trego (new), the finest semi-double scarlet ever introduced, 10c each; \$8.00 per 100. Paunpeck, grand pink, our own introduction. Highly commended by S. A. F. O. H. and recommended for distinctiveness of color by the New York Florists' Club. \$5.00 per 100; \$40.00 per 1000. Gen. Grant, Poitevine, S. A. Nutt, Chevalier, Contrast and Jaulin, \$3.00 per 100; \$20.00 per 1000.

Daly Bros., Box 1, New Durham, N. J.

Headquarters for rooted cuttings. Over 100,000 ready for shipment. S. A. Nutt, Double Gen. Grant, Buchner, Brunt, Favorite, Hill, \$10.00 1000; Ricard, Harrison, Beaute Poitevine, Castellane, Doyle, \$12.00 1000; Charles Gervais, the best clear rose pink in the market, \$3.00 100. Write for price list.

Peter Brown, Lancaster, Pa.

Fine, 2½-inch pots, \$2.50 100. Jean Vland, Mme. Brunt, L. Swartling, S. A. Nutt, Atlantia, W. L. Gunn, Madonna, Mme. St. Pol, Bridoux, Columbia, Blanche Moulas, Rev. Atkinson, Mme. Chas. Molin, Dr. Blanche, Thos. Meehan, Bucharie's White, Tamative, Glorie Bondeau, Castellane, Ricard.

National Plant Co., Dayton, O.

Geranium cuttings, Nutt, Jean Vland, Mme. Beauchaire, \$1.50 per 100, \$12.50 per 1000. Le Soleil, Poitevine, Mme. Landry, Riegan, Countess de Castels and Perkins, \$1.75 per 100, \$15.00 per 1000. Money with order from unknown parties.

WM. F. KASTING, Buffalo, N. Y.

Well rooted cuttings true to name. Jean Vland, S. A. Nutt, Mme. Buchner, \$1.25 per 100; \$10.00 per 1000. Le Soleil, Ricard, Poitevine, Mme. Landry, Perkins, Countess de Harcourt, \$1.50 per 100; \$12.00 per 1000.

C. B. Shisler, Williamsville, N. Y.

Rooted geranium cuttings of Nutt, Grant, Jean Vland, Mrs. Hill and La Favorite, \$1.00 100; \$10.00 1,000. Orders must be received before Dec. 1 at these prices. The same varieties in 2½-in., \$1.50 100. Cash.

F. E. Bonham, Macomb, Ill.

Rooted cuttings of the famous A. H. Trego geranium for \$3.50 per 100. This is by far the best scarlet geranium ever sent out. Every cutting guaranteed or money refunded. Strong, 2½-in. plants, \$5.00 per 100.

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Geraniums Vlaud (pink), Nutt (crimson), Ricard (scarlet), Buchner (white), Hill, Poitevine (salmons), all semi-double. Strong rooted cuttings, \$1.25 100, \$12.00 1000.

W. T. Buckley Plant Co., Springfield, Ill.

Geraniums 100 1000
Double General Grant, best scarlet, \$1.25 \$10.00
S. A. Nutt, best crimson, 1.50 12.00
Poitevine, best salmon pink, 1.75 15.00
Cash only.

W. B. DU RIE, Rahway, N. J.

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Geranium rooted cuttings, all the best varieties. Have surplus stock and will sell at \$10.00 per 1000. Cash.

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Geraniums, double and single; red, scarlet and white, all good varieties, \$1.25 per 100; \$12.00 per 1000. Geo. B. Geiger, Nazareth, Pa.

Geraniums, dbl., single and scented, in good var., young healthy stock, 40c doz., \$2.00 100. R. Vincent, Jr., & Son, White Marsh, Md.

Rooted cuttings, best bedders, \$15.00 per 1000. Mme. Sallerol, \$15.00 per 1000.

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Geraniums, rooted, good mixed, \$1.50 per 100. By mail, postpaid.

A. B. Campbell, Cochranville, Pa.

A bargain. 125 big 3-in. Bismarck, \$5.00 the lot. Cash. Roney Bros., West Grove, Pa.

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Gladiolus bulbs. 1000.
Fancy mixture, 1st size, \$10.00
Fancy mixture, 2d size, \$5.00
Good mixture, 1st size, 8.00
Good mixture, 2d size, 6.00
Also Oxalis Shamrock, 1st size, 6.00
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Gladiolus May, large bulbs for forcing; also Groff's Hybrids. Price and samples for 10c in stamps. P. O. Coblenz, New Madison, O.

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Phalaris arundinacea var. (ribbon grass), all-ways fine for borders; does not lose its color. Large clumps, 20c each.

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Poa trivialis variegata, fine for fern dishes. 2-inch, \$2.50 100; 3-inch, \$5.00 100.

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200 Arundo donax variegata, strong dormant roots, three eyes to the division; \$6.00 100. Cash. Wachendorf Bros., Atlanta, Ga.

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Grevillea robusta, 2½-in., \$2.50 100. Ridge Lawn Greenhouses, Buffalo, N. Y.

HARDY PLANTS.

We offer the following strictly first-class stock at very low prices: Barberry, purple leaved, 3 ft., \$7.00 100. Cornus elegantissima, 2½ ft., \$12.00 100. Cornus Gouchaulti, 2½ ft., \$15.00 100. Lilac, purple, 2 ft., \$5.00 100. Viburnum opulus, 3 to 4 ft., \$12.00 100. Philadelphia Lemotnei, 3 ft., \$8.00 100. Spiraea Van Houttei, 2½ ft., \$6.00 100. Poplar, Lombardy, 6 to 8 ft., \$8.00 100. Scotch pine, 3 ft., \$15.00 100. Willow, laurel leaved, fine trees, 7 to 9 ft., \$10.00 100. Golden Elder, 2½ ft., \$6.00 100. Packing charged at cost.

E. Ferrand & Sons, 379 Vinewood Ave., Detroit.

Eulalia Gracillima Univittata and Jap. Zebrina, 8 to 10-inch clumps, 10c.

Gaillardia, Phlox, Digitalis, Linum Perenne, Helianthus Maximilliana, Sedum Spectabile, Hibiscus Crimson Eye, Lythrum Superbum, Eryngium Planum, Heliosis Pitcherianus, Rudbeckia Golden Glow, Statice Tartarica, Platycodon, Aquilegia Grandiflora, Anemone Queen Charlotte, German Iris, mixed; Deutzia, double white, 2 ft., all field-grown, 4c.

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Hardy plants. Delphinium formosum, \$5.00 100; \$45.00 1,000. Wistaria sinensis seedlings, \$2.50 100; \$20.00 1,000. Spotted calla, cinnamon vine roots, dahlias, lilies, tritomas, iris. Send for price list.

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Lemon lilies, \$2.00 100. Funkia var., \$3.00. Shasta Daisy, \$2.00. Pyrethrum roseum clumps, \$3.00. Hollyhocks, \$2.00. Peonies, \$6.00. Hardy myrtle, rooted cuttings, 75c. Tritoma Pateri, \$5.00. S. J. Galloway, Eaton, Ohio.

I have a large stock of the following named nursery grown seedlings which I wish to close out at once:

American Elm, 100. 1000. 10000.
3 to 4 feet, transplanted... \$1.00 \$8.00

American Ash, 1 to 2 feet, seedlings..... .50 3.00 \$25.00
2 to 4 feet, seedlings..... .80 7.00 55.00
4 to 6 feet, seedlings..... 2.00 18.00

American Persimmon, 12 to 15 inches, seedlings.. .40 3.50

Althaea Rosea, 4 to 6 inches, seedlings... .30 1.25 10.00
6 to 12 inches, seedlings... .40 3.00 25.00

Betula Nigra, birch, 4 to 8 inches, seedlings... .20 .80 6.00
6 to 14 inches, seedlings... .30 1.50 12.00
12 to 18 inches, seedlings... .40 3.00 25.00

Catalpa speciosa and Kaempferi, Tea's Japan and Bignonioides, seedlings, large stock of each, 100. 1000. 10000.

4 to 12 inches..... \$0.20 \$1.50 \$12.00
Catalpas (early frost killed tops), 2 to 4 feet, seedlings..... .50 4.00

4 to 6 feet, seedlings..... 1.50 12.50

6 to 10 feet, seedlings..... 7.00

Horse Chestnut, 12 to 18 inches, seedlings... 1.00 7.00 65.00

Sweet Gum, 4 to 6 inches, seedlings... .30 1.25 10.00
6 to 12 inches, seedlings... .40 3.00 25.00

Sycamore, 6 to 12 inches, seedlings... .40 3.00 25.00

Spanish Oak, 6 to 14 inches, seedlings... .40 3.00 25.00

Silver Maples, 8 to 16 inches, seedlings... .40 3.00 25.00
2 to 4 feet, transplanted... 1.00 7.00

4 to 6 feet, transplanted... 2.00 18.00

Russian Mulberry, 6 to 12 inches..... .30 1.00 8.00

Black Wild Mulberry, 4 to 6 inches..... .20 2.00 18.00
6 to 14 inches..... .60 5.00 40.00

Walnut, Black, 6 to 14 inches..... .60 5.00 40.00
White, 6 to 12 inches..... .60 5.00 40.00

Japan, 6 to 12 inches..... 5.00 45.00

Small collected seedlings for bedding plants, Sugar Maples, 4 to 6 inches, 60c 1000, \$6.00 10,000. Red Bud, Sweet Gum, Tulip Poplar, Rhamnus Carolinus, Sycamore, each 4 to 6 inches, \$1.25 1000, \$10.00 10,000. Scarlet Maple, Sugar Maple, Tulip Poplar, Sweet Gum, Red Bud, Chestnut, Oak, each 1 to 2 feet, collected, \$3.00 1000; 10,000 of each or assorted, \$25.00.

Collected stock of Thuja Canadensis, hemlock, 6 to 12 inches, \$4.00; 1 to 2 feet, \$6.00; 2 to 3 feet, \$10.00 1000. Scarlet Maple and Tulip Poplar, collected stock, 4 to 7 feet, \$2.50 100, \$13.00 1000. Order at once.

I also have seed of the following: 1 lb. 10 lbs.
Cornus Florida..... \$0.25 \$2.00
Cornus Stolonifera30 2.50
Halesia Tetraptera60 5.00
Red Bud, clean40 3.00
Dirca Folustris, leatherwood..... 1.00

Stuartia Pentagyna 1.00 8.00
Magnolia Grandiflora60 5.00
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Trumpet Flower60 5.00
Viburnum Nudum40 3.00

Other seeds in small lots. Write for trade list. J. H. H. BOYD, Gage, Sequatchie Co., Tenn.

HOLLYHOCK. Allegheny, mixed, \$2.00 per 100; \$15.00 per 1000.

DELPHINIUM formosum, mixed, \$1.00 per 100; \$8.00 per 1000. These are all transplanted plants. Cash with order.

M. H. Kruschka, Elberon, N. J.

True Colorado Columbine roots, mountain grown. Plant them this fall. Each, 15c to 20c, postpaid; 100 for \$10.00, 500 for \$40.00.

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Hardy ornamental stock. Trees, shrubs and herbaceous plants. Peonies a specialty. Send for illustrated price list.

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Ornamental trees, shrubs, roses, clematis, fruit trees and small fruits. Send for price list. W. & T. SMITH CO., Geneva, N. Y.

500 Norway maples, 10 to 12 ft., good clean stock, well rooted, \$30.00 per 100, f. o. b. Maurice J. Brinton, Christiansa, Pa.

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5000 double white hollyhock plants, at 75c per 100. GEO. ENGEL, Xenia, Ohio.

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Heliotropes, 2½-in., for benches or pots, \$3.00 100.

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Heliotropes, fine 2½-in., to make room, \$2.00 per 100. W. H. Parsil, Summit, N. J.

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150 Hibiscus miniatus semi-plena, large double red. Strong, bushy plants from 5-inch pots. Just the thing for centerpieces in vases next spring. \$15.00 100. Cash.

Wachendorf Bros., Atlanta, Ga.

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Honeysuckles. Hall's Japan and Golden, layers, 1 to 2 ft., \$3.50 per 100, \$25.00 per 1000. Ampelopsis Veitchii, 1 to 3 ft., 2-yrs., field, transplanted, strong, \$4.00 per 100, \$35.00 per 1000. Cash with order. Walter H. Harrison, 1726 Lindenwood St., Philadelphia, Pa.

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OTAKSA, THOS. HOGG, with 5 to 7 flowering crowns, stocky, open-air plants, suitable for 6-in. pots, per 100, \$10.00; \$45.00 for 500.

JACKSON & PERKINS CO., Newark, New York.

Hydrangea Otaksa, pot-grown only, 6-in. pots, strong, bushy, ready for 7-in., 25c or \$20.00 100; 5-in., \$15.00 100.

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Hydrangea Otaksa, very strong field-grown, from 5 to 12 branches, \$10.00 per 100.

Peter Wenk, Clinton Ave., Ozone Park, L. I., N. Y. Telephone 164.

Hydrangea Otaksa, field-grown, large enough for ½ bbl. tubs, \$1.00 each, 12 for \$10.00.

Dann & Son, Westfield, N. Y.

Hydrangea pan. grand., bushy, 10c; tree-shaped specimens, 25c. Cash.

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Hydrangeas, field-grown, 8 to 10 flowering shoots, \$15.00 100. Cash.

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Ivy. Ampelopsis Veitchii, 1 to 3 ft., 2-yrs., field, transplanted, strong, \$4.00 per 100, \$35.00 per 1000. Honeysuckle, Hall's Japan and Golden, layers, 1 to 2 ft., \$3.50 per 100, \$25.00 per 1000. Cash with order. Walter H. Harrison, 1726 Lindenwood St., Philadelphia, Pa.

Hardy English ivy, strong, 3-in. pots, \$5.00 per 100; \$40.00 per 1000.

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Ivy American, 2-yr., fine, 8c. Cash.

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LILY OF THE VALLEY.

Lily of the valley, Long Island grown, per 1000 pips, \$2.00; per 10,000, \$15.00. About 40 per cent will bloom good for outdoor planting or late forcing.

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Lily of the valley, from Icehouse. The best Berlin pipe in the market. \$15.00 1000; case lot, 2500 pips, \$35.00.

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Lily of the valley. Early Empress brand, for Xmas forcing, cases of 2,500, \$30.00; 100, \$1.50; 1,000, \$12.50.

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Dutch valley clumps. Strong healthy clumps, case lots of 2000 clumps, \$30.00.

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Lily of the valley will be ready soon. Place your order now.

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Out lily of the valley of good quality always on hand.

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Lily of the valley always on hand. H. N. Bruns, 1409 W. Madison St., Chicago.

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MISTLETOE—Silliman's celebrated EVERY SPRIG BERRIED BRAND, grown on our preserve in the Indian Territory. Packed in our patent basket cases stock reaches consumer without breakage. Low special with express companies. Twelfth year. Now booking orders for December shipment. Write for prices. Home office.

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Cultural directions sent with every order.
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We have always on hand a stock of established and unestablished orchids. A number of vars., now in sheath and spike. Correspondence solicited. Lager & Hurrell, Summit, N. J.

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Orchids. Largest stock of commercial plants in America. Julius Roehrs, Rutherford, N. J.

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Latania borbonica. Reduced prices. 4-in. pots, \$15.00 100, \$2.00 doz.; 5-in. pots, \$25.00 100, \$3.50 doz.; 6-in. pots, \$40.00 100, \$5.00 doz.; from 8-in. pots and larger, \$2.50 each and upward, according to size.

Kentia Forsteriana and Belmoreana, from 2½-in. pots, \$7.00 100; 3-in. pots, \$12.00; 4-in. pots, \$25.00; 5-in. pots, \$50.00; 6-in. pots, \$15.00 doz.; from 7-in. pots and upward, at \$1.75 to \$35.00 each.

Areca lutescens, fine stock of large plants, from \$1.50 upward.

Phoenix reclinata, 5-in. pots, \$35.00 100, \$4.50 doz.; 6-in. pots, \$9.00 doz. Larger plants from \$1.00 upward.

Phoenix canariensis, fine specimens, from \$2.00 to \$35.00 each.

Pandanus utilis, 3-in. pots, \$8.00 100; 5-in., \$30.00 100.

JOHN BADER, Troy Hill, Allegheny City, Pa.

KENTIA BELMOREANA.

Fine healthy stock, absolutely free from scale.

Pots.	Leaves.	In. high.	100.	1000.
3-in.	4-5	10-12	\$15.00	\$140.00
4-in.	5-6	15-18	25.00	220.00

KENTIA FORSTERIANA.

Pots.	Leaves.	In. high.	100.	1000.
3-in.	3-4	12	\$15.00	\$140.00
4-in.	4-5	16	25.00	230.00

500 at 1000 rate.

ANDERSON & CHRISTENSEN,
Telephone Call 29-I. Short Hills, N. J.

ARECA LUTESCENS, 3 plts. in 7-in., 2½-3 ft., \$10.00 per doz.; 3 and 4 plts. in 8-in., 3 ft., full, \$15.00 per doz.

KENTIA BELMOREANA, clean, stocky plants, 6-in., 18-24 in., \$7.50 doz.; 7-in., 2 ft., X fine, \$10.00 doz.

LATANIA BORBONICA, 5-in., ready for 6-in., 7-8 lbs., \$2.25 per doz., \$18.00 per 100.

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COCOS WEDDELIANA is always scarce after the holidays. We have a good stock of 3-inch pots, from 8 to 12 inches high, at present at \$2.00 per doz., \$15.00 per 100. Why not lay in a supply now instead of receiving indifferent plants later in the season?

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Pots.	Leaves.	In. high.	12	100
Latania Borbonica...	3-in. 4-5	8-10	\$7.75	\$5
Latania Borbonica...	5-in. 3-6 chr.	12-15	2.00	15
Latania Borbonica...	5-in. 3-5 chr.	15-18	2.50	18
Kentia Belmoreana...	2½" 3-4 chr.	8-10	1.50	10
Kentia Belmoreana...	3-in. 3-5 chr.	10-15	1.75	13

Sherman Nursery Co., Charles City, Iowa.

Kentia Forsteriana and Belmoreana, 6-in. pots, 30 to 40 in. high, 75c to \$1.00 each; 4-in., fine, clean stock, \$15.00 100. Areca lutescens, 4-in., \$10.00 100. Cycas revoluta (sago palm) packed, 6 to 7-in., 4 to 8 leaves, at 8c per leaf.

Godfrey Aschmann, 1012 Ontario St., Phila.

Kentia Belmoreana, 2½-in., 4 to 5 lbs., 18 to 20-in. high, \$10.00 100, \$5.00 1000; 3-in., 4 to 6 lbs., 20 to 24 in. high, \$15.00 100, \$115.00 1000; 4-in., \$20.00 100, \$160.00 1000.

S. S. Pennock, 1612 Ludlow St., Philadelphia.

Kentia Belmoreana and Forsteriana, ready to shift, 4-in. pots, \$4.00; 5-in. pots, \$7.50; 6-in. pots, \$12.00 doz. Guaranteed first-class stock.

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Kentia, Latania, Phoenix, Areca, Livistona, Pandanus Ficus, Bostonensis. Everything for the florist. Grand stock of all kinds. Prices right. JULIUS ROEHRS, Rutherford, N. J.

20,000 fan palms (W. filifera), one year, from open ground, \$2.50 per 1000; 3 to 4 leaves, some with fan. Dave Turner, Phoenix, Arizona.

Latania borbonica, 5 ft., \$3.00 each; 3 ft., \$1.25 each.

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Palms and decorative plants. Send for price list. Chas. D. Ball, Holmesburg, Phila., Pa.

Kentia and latania a specialty. Send for price list. F. H. KRAMER, Washington, D. C.

Kentia Belmoreana, 5-in., \$7.00 doz.; 6-in., \$12.00 doz. C. Whitton, City St., Utica, N. Y.

Pandanus utilis, 5-inch pots, \$3.00 doz.

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Red pots. Write for prices and sample pot.
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SPHAGNUM MOSS.
Fresh and clean, 5 bbl. bale, \$1.25; 3 bales, \$3.25; 5 bales, \$5.00. 2 1/2 bbl. bale, 75c; 10 bales, \$5.00. H. B. Akers, Chatsworth, N. J.
Sphagnum moss. Write for prices on large quantities. Crowl Fern Co., Millington, Mass.
Sphagnum moss. Write for prices.
H. M. Robinson & Co., 11 Province St., Boston.

RAFFIA.
We carry a large assortment of colored raffia grass on hand for immediate shipment.
R. H. Comey Co., Camden, N. J.

TIN FOIL.
American brand FLORIST FOIL—The standard foil of America.
John J. Crooke Co., 155 Ave. D, New York.

TOOTHPICKS.
Wired toothpicks, 10,000, \$1.50; 50,000, \$6.25. Sample free. For sale by dealers.
W. J. COWEE, Berlin, N. Y.
Wired toothpicks, box of 10,000, \$1.50.
W. W. Barnard & Co., 161 Kinzie St., Chicago.

WIRE SUPPORTS.
Model Extension carnation supports and galvanized rose stakes. Parker-Bruen Mfg. Co., 208 Jersey St., Harrison, N. J.
Model Extension carnation supports; also galvanized rose stakes and tying wires.
Igoe Bros., 226 North 9th St., Brooklyn, N. Y.
Excelsior carnation supports. In use 10 years. Write
H. F. Littlefield, Worcester, Mass.

WIRE WORK.
We are the largest manufacturers of wire work in the west. E. F. Winterson Co., 45, 47, 49 Wabash Ave., Chicago.
Wire work of all kinds for florists. Send for price list.
Wm. Murphy, 180 E. 3d St., Cincinnati, O.
We are manufacturers—no middleman's profits.
C. C. POLLWORTH CO., Milwaukee, Wis.
Emil Steffens, Manufacturer of Florists' Wire Designs, 335 East 21st St., New York.
Reed & Keller, 122 W. 25th St., New York. Manufacturers of Wire Designs.
E. H. Hunt, 76-78 Wabash Ave., Chicago.

BOSTON.
The annual chrysanthemum exhibition of the Massachusetts Horticultural Society was one of the best on record, opening on Wednesday, November 5, and continuing until Sunday night. The weather was not favorable, yet the attendance was good. There was the usual large display of specimen bush plants, the Boston show always excelling all others in this particular. The showing of cut blooms was also up to the highest standard, although not many of this season's novelties were on display. The exhibitors were, as heretofore, principally the private growers of the vicinity, in-

cluding J. S. Bailey, E. S. Converse, H. Dumaresq, E. A. Clark, Jas. Nicol, Mrs. J. L. Gardner, J. E. Rothwell, Miss E. J. Clark, P. W. Moen, P. B. Robb, C. S. Sias, Mrs. E. M. Gill, Col. Chas. Pfaff and many others. The Breitmeyer rose was certificated, also a new pink chrysanthemum, Dr. Englehardt, shown by W. A. Manda. L. H. Foster showed his Nephrolepis, Farquhar's staged Lorraine begonias and Lager & Hurrell made a fine show of orchids.

Cyclamen
For Thanksgiving
FINE PLANTS IN BLOOM.
6-inch pots at \$6.00 per dozen.
Safe arrival guaranteed. Cash with order. Will have a large stock for Christmas.
Better order now.

GEORGE A. RACKHAM
880 Van Dyke Ave., DETROIT, MICH.
Mention the Review when you write.

BOSTON FERNs.
2 1/2-in., \$4.00; 3-in., \$8.00; 4-in., \$15.00; 5-in., \$25.00; 6-in., \$40.00; 7-in., \$60.00; 8-in., \$75.00 per 100.
PIERSONI FERNs, young plants from bench, \$ 5.00 per 100; 2 1/2-in., \$20.00 per 100; 4-in., 50c each; 5-inch, 75c each. Also bench-grown Boston, in all sizes. All stock extra fine.
Cash with order.
DAVIS BROS., Geneva, Ill.

EXTRA FINE CINERARIAS
2 1/2, 3 and 4-inch.
PRIMULA OBCONICA—2 1/2 and 3-in. **FLUMOSUS** and **SPRENGERI**—2, 3 and 4-in 10,000 Sprengerii at special prices. Write:
GEO. A. KUHLE, Pekin, Ill.

A FINE LOT OF FERNs,
Assorted Varieties, in 2 1/2 and 3-inch pots, \$2.00 per 100.
Wagner Park Conservatories
SIDNEY, OHIO.

Over \$65,000 has been paid by the **FLORISTS' HALL ASSOCIATION** for glass broken by hail. For particulars address John G. Esler, Sec'y., Saddle River, N. J.

BOSTON FERNs.

4-inch.....\$2.00 per doz.	\$16.00 per 100	6-inch.....\$6.00 per doz.	\$50.00 per 100
5-inch.....3.00	25.00	Larger sizes up to.....	5.00 each.

KENTIA Belmoreana. FINE STOCK.

3-in., 10 to 12 in. high, 4 to 5 leaves.	Doz. 100	6-in., 24 to 28 in. high, 5 to 7 leaves.	Each Doz.
4-in., 14 to 16 " 5 to 6 "	\$2.00 \$15.00	7-in., 30 to 32 " 5 to 7 "	\$1.25 \$15.00
	4.00 30.00	8-in., 30 to 36 " 6 to 7 "	2.25 25.00
	Each Doz.	9-in., 32 to 36 " 5 to 6 "	3.00
5-in., 20 to 22 " 5 to 6 "	\$.75 \$7.50		6.50

Send for complete illustrated price list, mailed free.

THE GEO. WITTBOLD CO., 1657 Buckingham Place, **CHICAGO**

— THIS EQUALS —

Another Gold Medal Award

The **PIERSON FERN** received following Endorsement from the Committee of Awards at Milwaukee Convention, August 19, 1903:—

"F. R. Pierson Co., Tarrytown-on-Hudson, N. Y., exhibit a magnificent lot of *Nephrolepis Piersoni*, awarded the Gold Medal of this Society last year at Asheville. As it has already received the highest award possible in the gift of this Society, your Committee can make no further award at this time, but we wish to say that another year has only further demonstrated its great value commercially, and confirms the judgment of the Committee in awarding the plant the first and only Gold Medal ever given by this Society for any plant."

Nephrolepis Piersoni

Has been awarded

SIX GOLD MEDALS as

"The MOST VALUABLE NOVELTY introduced in years."

Gold Medals by the S. A. F., Horticultural Society of New York,

At Kansas City, Massachusetts Horticultural Society,

Pennsylvania Horticultural Society,

Providence, R. I., Horticultural Society.

SILVER MEDALS,

Certificates of Merit, etc. wherever exhibited.

Large Specimen Plants for FALL DELIVERY

We have an extra fine stock of large specimen plants ready for immediate sale. These are **grand plants**, strong, well established plants, in the very best possible condition, not plants lifted from the bench.

Extra fine plants, 6-inch pots, **\$1.50** each.

Fine specimens, 8-inch pots, **\$3.00** each.

Also extra fine specimens in 10-inch pots.

All these are splendid plants for retail florists.

Strong plants, 2¼-inch pots, 12 at **35c** each; 50 at **30c** each; 100 at **25c** each; 500 at **22½c** each; 1000 at **20c** each.

These are extra strong established plants from 2¼-inch pots, not runners from the bench, and are about as heavy a grade as usually offered in "Bostons" in 3-inch or 3½-inch pots.

SEND FOR DESCRIPTIVE LIST IF YOU HAVE NOT RECEIVED IT.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

For Thanksgiving Day.

You will sell lots of plants for Thanksgiving. We have a little wrinkle that will help you sell them and earn your customers' cash and thanks easily. It is a new creation of our own:

Our CELLULOID, WATERPROOF, EMBOSSED AND ACCORDEON PLAIED CREPE PAPERS, in many tints, with which you can produce harmonious effects. It is the finest thing of its kind ever offered. We predict this paper will have a great run of popular favor this season. Better be in the lead by getting some NOW. You will thank us for this suggestion.

Remember also that we have some new ideas in **BASKETS** for Thanksgiving dinner table as well as standard kinds.

Always
Address

H. BAYERSDORFER & CO.,

The Largest Florists' Supply House in America. 50, 52, 54 and 56 North Fourth St., Philadelphia.

Mention the Review when you write.

CLEVELAND.

The Market.

Up to last week Wednesday evening we had fine summer weather, with open cars on all the street car lines. Since then we have had rain and snow, with real winter weather, which has caused a little let-up in the cut of roses and carnations, and it certainly was welcome to the larger growers, who have been in full crop, and could not move the cut at any price.

The wholesale florists report business for the past week as being poorer than that of last July and August, and good carnations could be bought for \$7.50 per 1,000, and roses from \$10 to \$15 per 1,000. Chrysanthemums ran from \$3 to \$10 per 100 and were slow sellers at any price.

Notes.

Bramley & Son are well satisfied with natural gas for fuel, and claim that they get much better results from it than they did last year from good coal. They have been cutting some very nice mums, and fortunately have had a steady run of funeral work that has used all of their stock as soon as it was fit to cut.

J. Kirschner has decided not to put the gas in this year and has piled up a fine lot of coal that will last him this winter. He has been doing a nice business the past week and has used up all the cut flowers sent in from his place at South Euclid.

F. W. Ziechmann has the natural gas under his boilers and expects to effect a large saving in his fuel bill. His mums are a little late this year.

Gordon Gray is cutting some very fine mums this season and keeps them moving out on orders. E.

500,000 Verbenas

60 FINEST VARIETIES.

Perfectly Healthy. Free from Rust.

Rooted Cuttings, 60c per 100; \$5.00 per 1000
Plants.....\$2.50 per 100; \$20.00 per 1000.

Our list is the choice of millions of seedlings.

SEND FOR CIRCULAR.

J. L. DILLON, Bloomsburg, Pa.

Mention the Review when you write.

LOOK! SEE WHAT I BOUGHT AND BROUGHT HOME with me from EUROPE

Only a little money needed to take advantage of my purchase. **AZALEA INDICA.** We have the best American leading varieties, about 12 sorts, that money could buy at lower prices than any firm in America—35c, 40c, 50c, 75c. Specimens \$1.00 each, by the doz. or 100.

Spring Importation of Araucarias.

Araucaria Excelsa our specialty—5½-inch pots, 3 to 4 tiers, 13 to 16 inches high, 60c each. 5½ to 6-in. pots, 15 to 17 inches high, very broad, 75c each. 6-in. pots, 4 to 5 tiers, 17 to 20 inches high, 80c, 90c to \$1.00 each.

Fall Importation of Araucarias—Excelsa, 8 to 12 inches high, 3 tiers, 50c each.

Have a lot of slightly damaged Araucarias, 10 to 12-inch, 30c each.

Ficus Elastica, Rubber Plants (have 2000), fine, strong plants. 6-in. pots, 20 to 25 inches high, \$4.00 to \$5.00 per doz. 5-in. pots, strong, 25c each; \$3.00 per doz.

Kentia Forsteriana and **Belmoreana**, 6-in. pots, 30 to 40 inches high, 75c to \$1.00 each. 4-inch pots, fine, clean stock, \$15.00 per 100.

Areca Lutescens, 4-in. pots, \$10.00 per 100.

Cycas Revoluta (Sago Palm), perfect, 6-7-in. pots, from 4 to 8 leaves at 8c per leaf.

Boston Ferns, 6-inch pots, very strong, 25 to 30 fronds to a plant, from 25 inches up in height, 50c, worth 75c.

Ferns (for fern dishes), finest varieties, 2½-inch pots, only, \$1.00 per 100, worth \$5.00.

Primula Chinensis, for Xmas blooming, all colors, 4-in. pots, \$6.00 to \$7.00 per 100. 5-in. pots, \$1.80 per doz.; 6-inch, \$2.00 per doz.

Cineraria Hybrida (Michell's finest strain), 2½-inch pots, \$3.00 per 100.

Dracaena Lineata, new, strong plants, 50c each. **Dracaena Bruantii**, just right plants for stores, ballrooms, parlor, butcher shops, saloons, etc., 25 inches up, 6-inch pots, 40c each; per doz., \$5.00.

Solanum or Jerusalem Cherries, 5 to 5½-in. pots, strong, full of berries, \$2.00 per doz.

Vine Variegata and **English Ivy**, field-grown, large plants for 4-in. pots, only \$5.00 per 100.

Begonias, 6 leading varieties, including **Pres. Carnot**, 4-inch pots, \$3.00 per 100; 5-inch, \$5.00 per 100.

Daisies, white and yellow, for Easter, 2½-inch pots, \$3.00 per 100.

Heliotropes, 2½-inch, for benches or pots, \$3.00 per 100.

Hydrangea Otaksa, pot-grown only. This is the only kind that forces for Easter, 6-inch pots, strong, bushy, ready, for 7-inch, 25c, or \$20.00 per 100; 5-inch, \$15.00 per 100.

Chrysanthemum Stock, Col. Appleton, 50c per doz.; Bonaffon, Queen, Halliday, \$3.00 per 100.

Cash with order please. Plants are shipped at purchaser's risk. Please state if pots are wanted.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants,
1012 Ontario St., PHILADELPHIA, Pa.
Bell Phone Tioa 3669 A.

Mention the Review when you write.

DAHLIAS

25 leading varieties, all under name, guaranteed true, including the best sorts in cultivation, such as Clifford W. Bruton, A. D. Livoni, Nymphaea, Lemon Giant, Fern Leaf Beauty, Snow Glad, White Swan, Frank Smith, etc.

We offer **HEAVY FIELD CLUMPS**,
JUST AS DUG, \$5.00 per hundred;
\$45.00 per thousand.

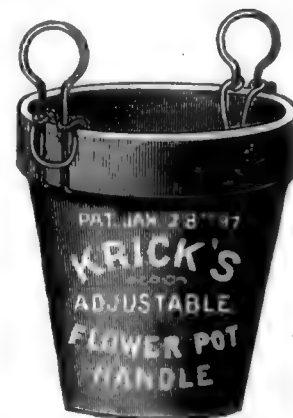
THE DINCÉE & CONARD CO.
WEST GROVE, PA.

Mention the Review when you write.

THE PERFECT

FLOWER POT

HANDLE & HANGER



Is used for lifting plants out of jardinières, also for hanging up plants for decorations on walls, etc. Will sustain a weight of 100 lbs.

No. 1 will fit from 2 to 5-in. pots, per doz., 30c. No. 2 will fit from 5 to 8-inch pots, per doz., 40c. No. 3 will fit from 8 to 12-in. pots, per doz., 50c.

Postage, 10c extra per doz. Sample pair, 10c postpaid.

For sale by all Florists' Supply Dealers.

W.C. KRICK

1287 Broadway,

Brooklyn, New York.

Mention Review when you write.

Christmas BELLS

The cheapest and the best in the market. Write for prices before placing your orders.

Everything in the line of Florists' Supplies.

Some Great Novelties for Christmas.

SIGMUND GELLER,
108 W. 28th St., NEW YORK CITY.

Mention Review when you write.

DO YOU WANT THE BEST
As well as the newest things in
Mum Novelties?

If so, you must buy the following varieties:

W. Duckham, winner of the C. S. A. SILVER CUP at New York.
 The grandest Pink ever sent out, easiest possible grower.

Leila Filkins, a greatly improved Morel.

Maynell, Henry Barnes, S. T. Wright,
 Three beautiful sun-proof Crimsons.

Mildred Ware, Ben Wells, Mary Inglis, Cheltoni,
General Hutton, F. A. Cobbold and Harrison Dick,
 All shown in winning 25 at New York and striking improvements
 on existing sorts.

WRITE ME FOR PRICES AND COMPLETE LIST.

CHAS. H. TOTTY, Madison, N. J.

For Thanksgiving—

Last week I gave you a complete list of sizes and prices of Palms.
 Now I want to call your attention especially to the

Six and Eight Inch KENTIAS,

Most useful for decorating;

The **Six and Eight Inch ARECAS,**

An appropriate and beautiful plant to recommend
 for the home;

And the **Selected COCOS,**

Suitable for the table fernery.

ALL ARE IN SPLENDID CONDITION

AND WILL PLEASE YOUR CUSTOMERS.

Joseph Heacock, - Wyncote, Pa.

Begonia Gloire de Lorraine.

\$12.00 to \$18.00 per dozen. Fine Specimens, full of Bloom.

ADIANTUM FARLEYENSE, \$12.00 to \$18.00 per dozen. These are beautiful plants.

PANDANUS VEITCHII, 4-inch pots, \$65.00 per 100; 5-inch pots, \$85.00 per 100; 6-inch pots, \$100.00 per 100.

GOOD VALUE

J. A. PETERSON, McHENRY AVENUE, Westwood, CINCINNATI, O.

MONTREAL.

It is with pleasure that I record the largest attendance the club has had for many a day, November 2. The boys also are really active in securing new candidates; in fact, two new members were elected, Messrs. Arthur Robertson, superintendent of Westmount park, and Ernest Beadburry, of Outremont. D. J. Sinclair, of Toronto, who offers to make an exhibit of florists' supplies at our next chrysanthemum show, was received with pleasure. A paper from Mr. Kean, treating on roses, was well appreciated; it was unfortunate that the gentleman was absent through illness.

We are having ideal weather, and if it continues for a few days more we will surely make our chrysanthemum show a success.

The young but prosperous Lachine Horticultural Society, at its annual meeting, elected to the presidential chair T. J. Church. C. A. Smitz was chosen vice-president and Gabriel Vreugde secretary and treasurer. The society decided to give its annual dinner on December 12 and all the boys of Montreal will be present at that event.

A. BEE.

TRIBES HILL, N. Y.—R. M. Parry is building a greenhouse and will engage in the florists' business.

BEGONIA — Gloire de Lorraine

Strong, healthy plants, in 2-inch pots, \$12.00 per 100.

Hardy English Ivy,

Strong, 3-inch pots, \$5.00 per 100; \$40.00 per 1000.

I. H. MOSS, Govanstown, Baltimore, Md.

Mention The Review when you write.

STOCK MUMS, \$3.00 per 100.

Delivered as soon as flowers are cut.

Willowbrook, Halliday, Shaw, Ivory, Pink Ivory, Mrs. Robinson, Sunderbruch, Bloodgood, Pres. Smith, Appleton, Goldmine, Golden Wedding, Bonnafton, Modesto, Timothy Eaton, Niveus, Indiana, Rieman, Dailedouze, Lavender Queen, Murdock, Violescent.

J. LOUIS LOOSE, .. Washington, D. C.

Mention the Review when you write.



Indianapolis!

The best bright pink carnation in sight....

To be Disseminated in 1904

We invite growers to come and see it growing. It will stand inspection. : : : :

We have mailed descriptive circulars. If you did not receive one drop us a postal. : : : :

January delivery all taken. Send in your orders at once for February delivery. \$2.50 per doz.; \$12.00 per 100; \$100.00 per 1000.

Baur & Smith,
38th Street and Senate Ave.
Indianapolis, - - Indiana.

Mention the Review when you write.

Pelargoniums

ROOTED CUTTINGS.

15 varieties, all named, \$2.25 per 100, prepaid. Cash with order. Write—

S. D. BRANT, - CLAY CENTER, KAN.

Mention the Review when you write.

ARAUCARIA EXCELSA

2-inch pots, two tiers, \$16.00 per 100.

Araucaria Imbricata

2½-inch pots, strong plants, \$10 per 100.

F. LUDEMANN,

3041 Baker St., SAN FRANCISCO, CAL.

Mention The Review when you write.

S. S. SKIDELSKY,

708 North 16th Street,

Philadelphia, Pa.

CORRESPONDENCE SOLICITED.

Mention the Review when you write.

WE MUST HAVE ROOM.

Double Alyssum 3-in., \$2.50 per 100. Hydrangeas, field-grown, 8 to 12 flowering shoots, \$15.00 per 100. Jerusalem Cherries, dwarf, bushy, well berried, 6-in. pots, \$2.25 per doz. 500 Wm. Scott Carnation Plants, from field, make me an offer for the lot; or \$3.50 per 100. Boston Ferns, very bushy, 5 in. pots, \$2.50 per doz.; 6-in., \$4.00 per doz. English Ivy, field-grown, \$4.00 per 100. Violets, field-grown, large plants, California \$1.00; Campbell \$3.00 per 100. Cash please.

Converse Greenhouses, Webster, Mass.

Mention the Review when you write.



DREER'S GOLDEN PANDANUS

PANDANUS SANDERII

IF YOU have not yet secured a supply of this grand new Decorative Plant, not only the finest of all the Pandanus, but the most important addition to our list of Foliage Plants in many years, you should do so at once. The plant is of strong rapid growth, making a finished plant in one-third less time than Veitchii; it is rich in color throughout the winter months, and being much harder than Veitchii it can be recommended to your retail customer for house decoration.

We offer for immediate delivery:

Strong Plants, in	3-inch pots	each, \$	0.75
"	4-inch	"	1.00
"	6-inch	"	2.00
Beautiful Specimens, in	7-inch	"	3.50
"	8-inch	"	7.50
"	10-inch	"	10.00
"	12-inch	"	15.00
"	15-inch tubs	"	25.00

HENRY A. DREER, 714 Chestnut Street, Phila.

TWO NEW WHITE CARNATIONS FOR 1904

Lady Bountiful and The Belle.

Strong and healthy growers. Earliest and most productive of all White Carnations. The two best commercial sorts.

\$12.00 per 100; \$100.00 per 1000.
2500 at \$95.00 per 1000; 5000 at \$90.00 per 1000

Asparagus Comorensis,

Extra strong, select stock, 8-inch, \$10.00 per 100; 8½-inch, \$12.00 per 100.

F. DORNER & SONS CO.,
LA FAYETTE, IND.

Mention the Review when you write.

CARNATION CUTTINGS

We are now booking orders for Carnation Cuttings. All orders will be filled strictly in rotation as received. Send in your orders at once and get the early plants.

We have the following varieties from which we can supply cuttings and will sell at the market prices for good stock:

Enchantress	Fair Maid	The Queen
Boston Market	Gov. Wolcott	Eldorado
Bradt	Prosperity	Manley
E. Sheppard	Adonis	Joost
Lawson	Harlowarden	
Harry Fenn	Frangrance	

All our plants are vigorous and healthy and having the best facilities for rooting we are prepared to fill large or small orders.

Long Distance Telephone.

BACKER & CO., Billerica, Mass.

Mention Review when you write.

New Carnation..... LOUISE NAUMANN

DON'T MISS to send your orders in for February delivery. \$1.25 per doz; \$8.00 per hundred; \$70.00 per thousand.

G. M. NAUMANN,

Doan Street, CLEVELAND, OHIO.

Mention the Review when you write.

WHEN YOU WANT Engravings made

send us Photos or clippings from other catalogues and let us reproduce them. We make the cuts for the Florists' Review.

DEARBORN ENGRAVING CO.,

300-306 Dearborn St., CHICAGO.

Mention the Review when you write.

CARNATION CUTTINGS -- 400,000 Now Ready.

White.	Per 100	Per 1000	Per 5000	Scarlet.	Per 100	Per 1000	Per 5000
Queen Louise	\$1.20	\$11.00	\$50.00	Estelle	\$1.50	\$14.00	\$65.00
Flora Hill	1.20	11.00	50.00	Mrs. Palmer	1.50	14.00	65.00
Alba	8.40	80.00	125.00	Apollo	3.50	30.00	125.00
Wolcott	8.40	80.00	125.00	Adonis	7.00	65.00	300.00
Los Angeles	3.00	25.00	100.00	Crimson.			
Norway	1.20	11.00	50.00	Harlowarden	\$5.00	\$45.00	\$200.00
Lillian Pond	6.00	50.00	225.00	Gov. Roosevelt	1.20	11.00	50.00
White Cloud	1.20	11.00	50.00	Gen. Maceo	1.20	11.00	50.00
Pink.				Gen. Gomez	1.20	11.00	50.00
Lawson	\$1.40	\$12.50	\$80.00	Harry Fenn	3.00	25.00	100.00
Marquis	1.20	11.00	50.00	Yellow.			
Genevieve Lord	1.20	11.00	50.00	Golden Beauty	\$1.75	\$16.00	\$75.00
Argyle	1.20	11.00	50.00	Eldorado	1.20	11.00	50.00
Mrs. Joost	1.20	11.00	50.00	Gold Nugget	1.50	14.00	65.00
Mermaid	1.20	11.00	50.00	Variegated.			
Guardian Angel	1.20	11.00	50.00	Violantia (4-inch bloom)	\$13.00	\$100.00	\$450.00
Mrs. Higginbotham	2.50	20.00	90.00	Marshall Field	5.00	45.00	200.00
Cressbrook	2.50	20.00	90.00	Tiger (Fancy)	5.00	45.00	200.00
Mrs. Roosevelt	6.00	55.00	250.00	Stella	3.00	25.00	100.00
Enchantress	6.00	55.00	250.00	Bradt	1.75	15.00	70.00
Success	5.00	45.00	200.00	Armazindy	1.20	11.00	50.00
Scarlet.				Prosperity	1.20	11.00	50.00
G. H. Crane	\$1.40	\$12.50	\$80.00				
America	1.20	11.00	50.00				

25 at 100 rate. 250 at 1000 rate. 2500 at 5000 rate.

TERMS: -- Spot Cash. No discount given, no matter how large the order. We prepay express charges at above figures to your city. If on arrival they are not satisfactory return at once and money will be returned at once: we cannot vary from these terms.

California Carnation Co., Lock Box 103, Loomis, Cal.

Mention Review when you write.

STRONGLY ROOTED CARNATIONS -- Now Ready.

NOVELTIES of 1903	100	1000	STANDARD VARIETIES	100	1000
Harlowarden, crimson	\$5.00	\$45.00	Norway, white	\$1.20	\$11.00
Marshall Field, red and white variegated	5.00	45.00	Prosperity, white overlaid with pink	1.40	12.50
Lillian Pond, white	6.00	55.00	Estelle, scarlet	1.50	14.00
Enchantress, light pink	6.00	55.00	Mrs. Thos. Lawson, pink	1.40	12.50
President McKinley, pink	6.00	55.00	Gov. Roosevelt, crimson	1.20	11.00
Success, pink	5.00	45.00	G. H. Crane, scarlet	1.40	12.50
Adonis, rich scarlet	7.00	65.00	Flora Hill, white	1.20	11.00
Mrs. Theodore Roosevelt, pink	6.00	55.00	Mermaid, salmon pink	1.20	11.00
INTRODUCTIONS, 1902			Eldorado, white	1.20	11.00
Cressbrook, light pink	\$2.50	\$20.00	Queen Louise, white	1.20	11.00
Gov. Wolcott, white	3.40	30.00	Chicot, white	1.20	11.00
Alba, white	3.40	30.00	Armazindy, variegated	1.20	11.00
J. H. Manley, scarlet	3.50	30.00	Palmer, scarlet	1.50	14.00
Apollo, brilliant scarlet	3.50	30.00	America, scarlet	1.20	11.00
Gaiety, white striped scarlet	3.00	25.00			
Stella, variegated white	3.00	25.00			
Viola Allen, white	3.00	25.00			

25 at 100 rate.

250 at 1000 rate.

CASH WITH ORDER.

The above prices are what the plants will cost you delivered. We pay express charges and guarantee satisfaction.

LOOMIS FLORAL CO. LOOMIS, CAL.

Mention Review when you write.

100,000 SMALL FERNS.

Best commercial varieties, in 2½-inch pots, \$3.00 per 100; \$25.00 per 1000.

NEPHROLEPIS PIERSONI, strong plants 2½-inch pots, \$3.00 per doz.; \$22.00 per 100

NEPHROLEPIS ANNA FOSTER, strong plants, 2½-inch pots, 75c per doz.; \$6.00 per 100

PRIMROSES. OBCONICA GRANDIFLORA, ALBA, ROSEA, FIMBRIATA, \$3.00 per 100; \$25.00 per 1000 Cash.

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HOLLY....

Best that the market affords.

Place your orders with us and you will not be disappointed.

C. C. POLLWORTH CO.

MILWAUKEE, WIS.

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CHRYSANTHEMUM SOCIETY.

Work of the Committees.

There were two varieties before the Cincinnati committee, Saturday, November 7. The examination resulted as follows:

Madona, exhibited by H. W. Rieman, Indianapolis, Ind., light pink, Japanese incurved, scored commercial scale, 86 points.

Golden Age, exhibited by Nathan Smith & Son, Adrian, Mich., deep yellow, Japanese reflexed, scored commercial scale, 86 points.

There were also two varieties before the Philadelphia committee, which examination resulted as follows:

Seedling No. 3, exhibited by Richard Rothe, gardener to Clay Kemble, Laverock, Pa., color white, reflexed Japanese, scored commercial scale, 84 points; exhibition scale, 84 points.

Golden Age, exhibited by Nathan Smith & Son, Adrian, Mich., rich yellow, reflexed Japanese, scored commercial scale, 86 points; exhibition scale, 82 points. FRED. H. LEMON, Secretary.

HARDY CUT FERNS.

Write for Prices.



FANCY

DAGGER

L. B. BRAGUE,

Oldest, largest and most reliable dealer in the U. S. HINSDALE, MASS.

A. J. FELLOURIS,

Wholesale and Retail Dealer in all kinds of

EVERGREENS.

GALAX, Bronze or Green, \$1.00 per 1000.

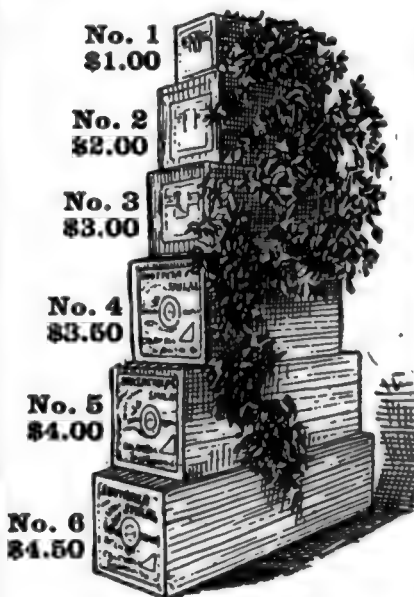
FERNS, Fancy, \$1.50 per 1000. Dagger, .75

468 Sixth Avenue, NEW YORK

Between 28th and 29th Streets.

Telephone 1431 Madison Square.

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Caldwell's Quality Brands
Southern WILD SMILAX.

Terms—Cash with orders from unknown correspondents.

And we will do it again! What?

WHY--FILL ALL OF YOUR ORDERS AT ALL TIMES

So will our Agents:

J. B. DEAMUD, Chicago, Ill. W. F. KASTING, Buffalo, N. Y.
LEO NIESSEN, Philadelphia. H. G. BERNING, St. Louis, Mo.
J. M. McCULLOUGH'S SONS, Cincinnati, Ohio.

A full supply always on hand at these points and prices same as ours -- plus cost of carriage.

Caldwell The Woodsman Co.
EVERGREEN, ALABAMA.

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Wild Smilax **ALWAYS On Hand.**

Also PLUMOSUS, SPRENGERI, ADIANTUMS, GALAX AND LEUCOTHODES.

RED BERRIES ALWAYS ON HAND.

We are Growers of **HIGH-GRADE CUT FLOWERS.** All orders promptly filled. Consignments solicited.

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We carry the finest and most complete stock of **FLORISTS' HARDY SUPPLIES.** Dagger and Fancy Ferns, A-No. 1 quality, \$1.00 per 1000. Bronze and Green Galax, A-No. 1 stock, \$1.00 per 1000. Southern Wild Smilax, 50-lb. case, \$7.00; 25-lb. case, \$3.50. Laurel Festooning, good and full, 5c and 6c per yard. Green Moss, \$1.00 per bbl.; 75c per bag. Sphagnum Moss, \$1.00 per bbl.; 50c per bag. Leucothoe Sprays, \$1.00 per 100. Orders by mail, telegram or telephone will receive our prompt and personal attention. Long Distance Telephone 2618 Main.

HENRY M. ROBINSON & CO., 11 Province St., BOSTON, MASS.

NEW BEDFORD, MASS.

We have been having ideal weather for the past week, so warm you could go anywhere in your shirt sleeves, but as New England weather is very changeable, we are having a snow storm today. Business is improving. Flowers of all kinds are very plentiful except violets.

R. E. Nofftz is contemplating erecting another range of houses next season. Dick is very enterprising and says he is going to try to stop the downtown florists from importing so many flowers.

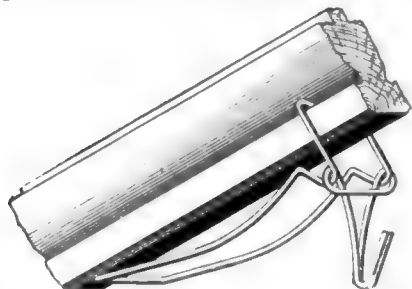
S. D. Bryant, of A. H. Hews & Co., North Cambridge, Mass., and S. S. Skidelsky, Philadelphia, were recent visitors.

DENVER, COLO.

Philip Scott announces that he will open a store in this city about January 1. He has been for a long time in charge of the store of The Park Floral Co., and he has engaged Mr. Reynolds, his present assistant. They plan to make the change at the time when The Park Floral Co. will move from their present quarters to their new location uptown. A.

ST. JOSEPH, Mo.—The Stuppy Floral Company has been incorporated, with a capital stock of \$12,000, succeeding to the business of F. X. Stuppy.

For Sale by all
Supply Houses or by the Manufacturer.



LEOPOLD KOROPP,
252 W. RAVENSWOOD PARK AVE.
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Headquarters for APHIS PUNK,
NICOTIDE, ROSE LEAF EXTRACT,
VAN REYPER'S GLAZING POINTS,
MASTICA and MACHINES.
LIVE SQUIRRELS, GOLD FISH.
SEND FOR CATALOGUE.

Schmid's Bird Store,
712 12th St., N. W., WASHINGTON, D. C.
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DREER'S Peerless Glazing Point

(Improved Van Reyper Perfect)

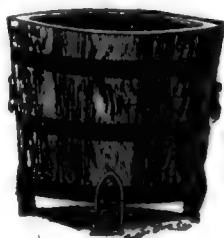
has common sense features of practical value that appeal to practical florists and are possessed by no other point. The only double point with

BOTH BEVELS ON SAME SIDE.

A point made on any other principle will twist in driving and cramp or crack the glass. Dreyer's Peerless Glazing Points will never work out. Drives true and holds firmly by one blow of hammer or chisel. May be easily removed and used again in case of re-glazing. 1000 sufficient for 500 lights. Box of 1000 points 75c, postpaid. 5000 points by express for \$2.75.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

AMERICAN FLOWER and TREE TUB.



Made from Everlasting CYPRESS

Various sizes, green or natural finish. Castings black.

Feet and bolts packed inside tubs for shipment.

We also have the neatest Plant Stand on the market.

Send for Catalogue C905.

American Wooden Ware Mfg. Co., Toledo, Ohio

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PURE Sheep Manure

DRIED, UNPULVERIZED AND
PULVERIZED. Write for prices.

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Through Sleepers to Galveston, Texas, via the Wabash.

The Wabash road has inaugurated a line of first-class Pullman sleepers between Chicago and Galveston, leaving Chicago daily at 11:03 a.m. and arriving at Galveston the second morning at 7:30—a convenient leaving and arriving time. The route is Wabash to St. Louis, Iron Mountain to Texarkana, T. & P. to Longview and thence I. & G. N. R. R.

For sleeping car reservations, folders, etc., apply to your nearest ticket agent, or to

F. A. Palmer, A. G. P. A., Chicago.

Improved Recording Thermometer

JUST THE THING
FOR YOUR GREENHOUSE



No. 200

Send for catalogue and prices.

THE HELIOS-UPTON CO.,
PEABODY, MASS.

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Aphis Punk. Paper Box of 12 rolls ... 60c
Wood Case of 12 boxes, \$6.50
Nikoteen Liquid, 1 pt. bottle pkd., \$1.50; case of
10 bottles pkd., \$13.00. Always on hand. Shipped
instantly. **U. GUTLER RYERSON,**
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I have used your FUMIGATING POWDER for some years and I have always found it first-class; there is no danger of it killing anything except the green fly, which it does with dispatch. I never use anything else for insecticide, nor do I wish anything better.
Yours truly,
C. BARSON.

BATH, ME.
We use your Fumigating Powder and we are never troubled with aphids; it does not harm the blooms in the least, and we find it the cheapest way to fumigate—and we have tried everything that is on the market.

Yours truly,
JOHN H. RAMSEY & CO.

NORTHAMPTON INSANE HOSPITAL, MASS.
After using your Fumigating Powder I must say that in fifteen years' experience with various methods of killing aphids, I find this the most effectual and economical method I have yet tried.

Yours respectfully,
GEORGE W. THORNILY.

BAYSIDE, N. Y.
I have been using your Fumigating Powder for the last three years and find it very effective. It is cheaper than the extracts and does not shrivel the carnation as stems do. Smoking two nights in succession will kill the green fly.

Yours truly,
WM. BELL.

We will mail at your request our booklet telling about the FUMIGATING KIND TOBACCO POWDER. We guarantee satisfaction or money back. Free trial bags for the asking. THE H. A. STOOHOFF CO., Tobacco Powder Hobbyists, 118 West St., New York.

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"Absolutely safe and reliable. Ask your friends."

Representative Florists and Nurserymen



All over the country endorse

Caldwell Tanks and Towers

They know that these outfits may be relied on to give the water supply necessary to successfully carry on their business.

First cost is the only cost as repairs are unknown owing to their scientific construction and excellent workmanship.

Let us send our illustrated catalogue and price list.

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LOUISVILLE, KY.

CUT FLOWER BOXES.

WATERPROOF. Corner Lock Style.
The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

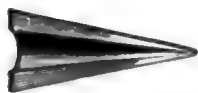
Size No. 0....3x4	x20..	\$2.00 per 100;	\$19.00 per 1000
" No. 1....3x4 1/2	x16..	1.90	17.50 "
" No. 2....3x6 1/2	x18..	2.00	19.00 "
" No. 3....4x8 1/2	x18..	2.50	23.00 "
" No. 4....3x8 1/2	x24..	2.75	26.00 "
" No. 5....4x8 1/2	x22..	3.00	28.00 "
" No. 6....4x8 1/2	x28..	3.75	36.00 "
" No. 7....6x16 1/2	x20..	5.50	54.00 "
" No. 8....3x7 1/2	x21..	3.00	28.50 "
" No. 9....6x10 1/2	x25..	6.50	62.00 "
" No. 10....7x20 1/2	x20..	7.50	72.00 "
" No. 11....3 1/2x5 1/2	x30..	3.00	28.50 "

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

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"THE MODEL" GLAZING POINT.



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By Mail, package of 1050 points, 45c.

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PROTECTION!!!

of your plants from freezing. This can only be done by using a celebrated

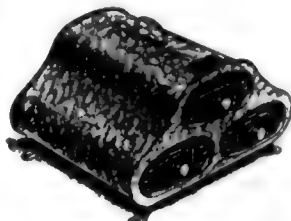
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Over 200,000 are in use by Florists, horsemen, doctors and farmers. They burn Lehman Coal (from which there is no smoke or danger), at a cost of less than 1/4c per hour. Can you afford to be without one?

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"RINGERS!" YES—My Electrical Thermostats will ring every time it gets too cold in your greenhouses—You will have to get up
SOUTHWORTH, 34 "The Meridian," INDIANAPOLIS

Falling Dead!

Falling in Showers are the bugs

When you use **Nicoticide**

Your seedsman is a progressive man.

So he has it.

If you get it,

And use it,

You will have no bugs.

The only way
Vapor or Spray.

Manufacturers:
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APHIS....PUNK

DEATH TO THRIPS

Green and Black Fly

and all Greenhouse Pests

Specially prepared paper thoroughly saturated with **PURE NICOTINE**

Can be EASILY used

POSITIVELY EFFECTIVE

FREE FROM AMMONIA

Will not injure any greenhouse plants.

1 Box (12 Rolls).....\$0.60

1 Case (12 Boxes)..... 6.50

MANUFACTURED ONLY BY

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SULPHO-TOBACCO SOAP

(PATENTED.)

KILLS ALL INSECT LIFE.

Fertilizes and Invigorates Flowers, Plants, Shrubs, etc. Prices low.

WE HELP YOU SELL IT.

Full particulars and sample cake free, if mention this paper.

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The Model Extension Carnation Support

If Not, Why Not? Over Three Million in use

Our Catalogue can be had for the asking. It tells why you should use them.

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GREENHOUSE MATERIAL.

Washington
Red Cedar and
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**CYPRESS
HOTBED SASH**

**GREENHOUSE
HARDWARE.**



**Patentees
of the popular
Short-Roof
Construction.**

Adopted by leading growers
all over the United States.

Ask for
particulars.

Catalogue, sketches and
estimates on application.

A. DIETSCH & CO., 615-621 Sheffield Ave., CHICAGO, ILL.

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PROFITABLE BUSINESS.

Do your customers know that you can execute orders for the prompt delivery of cut flowers or floral designs for any occasion, anywhere in the United States? Why not let them know? Such business is easily handled and affords a fair profit.

Many leading retailers display neat signs in their windows announcing that they can deliver flowers in any city in the United States for funerals or any other purpose. Another way would be to print such a sentence on bills and letter heads, or a neatly printed card might be enclosed in each package where the proprietors would permit, or it might be mailed to your list of customers in the form of an announcement. As soon as it becomes known that you can deliver funeral pieces a thousand miles away at a few hours' notice you will have a steady call for such service.

The page of "Leading Retail Florists" which appears regularly in this paper affords the means of filling orders in every principal city in the United States. This page is open only to firms of known standing and whose equipment is adequate to meet any calls of this character. Most of them already do a considerable amount of business on mail or telegraphic orders.

RUSHVILLE, IND.—A good-sized addition to the City Greenhouses during the summer gives them greatly increased facilities. With a fine lot of 'mums they find trade good.

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Neatest, simplest, most convenient and only practical device for converting ordinary flower pots into hanging baskets. They fit all standard made pots from 2 to 10 inches in diameter. The illustration shows how they are attached. Just the thing for hanging up Ferns, Begonias, etc. You can make room and money by their use. Try them.

Price with wire chain, as shown in cut, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

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For sale by the E. F. WINTERSON CO.,
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THE STANDARD,

The lightest running,
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Ventilating Machine
in the market.

The DUPLEX GUTTERS,

Made of wrought or
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The only DRIP PROOF
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Send for catalogue—free.

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"Don't be foolish"
when you want
good things go
where they are.
for
**GREENHOUSE
MATERIAL.**
write FOLEY MFG. CO.
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Wired Toothpicks

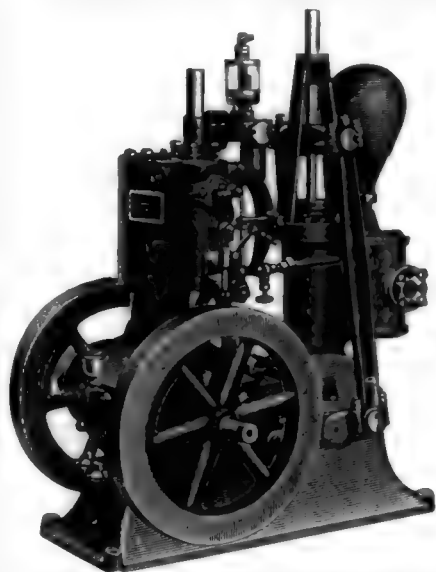
Manufactured by

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10,000...\$1.50; 50,000...\$6.25. Sample free.

For sale by dealers.

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A Standard Pumping Engine

IN YOUR GREENHOUSE WILL GIVE YOU PLENTY OF WATER AT
HIGH PRESSURE FOR ANY PURPOSE and at a VERY SMALL COST.
It is SIMPLE, DURABLE and EASY TO OPERATE. Requires no atten-
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The PITTSBURGH PLATE GLASS COMPANY

ARE THE LARGEST HANDLERS OF
AMERICAN AND IMPORTED GLASS

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WE MAKE A SPECIALTY OF GLASS FOR GREENHOUSES, and can furnish your requirements promptly from any of our Branch Houses located at

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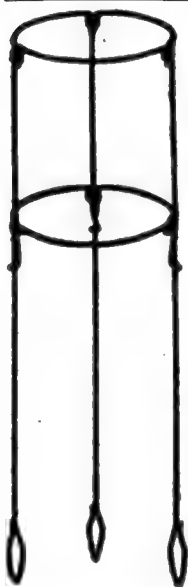
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...THE...
Model
EXTENSION
CARNATION SUPPORT.
ALSO GALVANIZED
STEEL ROSE STAKES.

Endorsed by all the leading carnation growers as the best support on the market.
Made with two or three circles.
Prompt shipment guaranteed
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Write for prices and circulars.

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PLATE AND WINDOW GLASS.

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GLASS Greenhouse Sizes a Specialty.

PAINT, PUTTY, Etc.

CASPER LIMBACH, Pittsburg, Pa.

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1929 Carson St., S. S.

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Via the Wabash.

The Wabash has inaugurated a line of standard Pullman sleepers between Chicago and Los Angeles, Cal., leaving Chicago daily at 9:17 p. m. The car runs via the Wabash to St. Louis, Iron Mountain to Texarkana, T. & P. to El Paso and thence Southern Pacific, arriving in Los Angeles at 12:25 noon. For sleeping car reservations, folders, etc., apply to your nearest ticket agent, or to

F. A. Palmer, A. G. P. A., Chicago.

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GULF CYPRESS

Greenhouse Materials, Hotbed Sash.
S. JACOBS & SONS, MANUFACTURERS, BROOKLYN, N. Y.
Glass at Wholesale. **EVERYTHING FOR BUILDING.**

"NOTHING THE FLORIST NEEDS THAT WE CANNOT SUPPLY."
Send for Catalogue.

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7-9-11
Laight St., New York.

French Glass

See our large advertisement next week.
Mention the Review when you write.

High Grade BOILERS

Get our Catalogue. **For GREENHOUSES.**

STEAM AND HOT WATER.

GIBLIN & CO., Utica, N. Y.

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Evans' Improved Challenge Ventilating Apparatus.

Write for Illustrated Catalogue.

Quaker City Machine Works,
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J. L. ELLIOTT,

Pure Pulverized Sheep Manure and Unleached Hard Wood Ashes

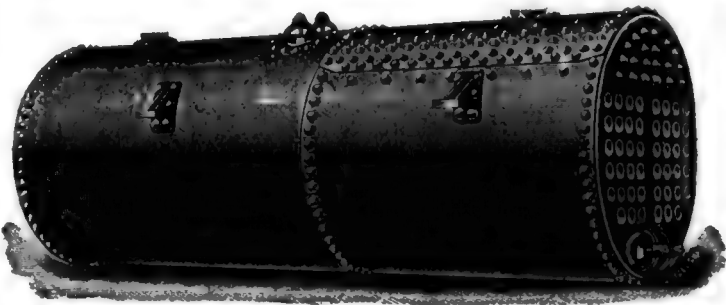
for sale by the BAG, TON OR CARLOAD.

Send for sample and price list.

Office: 120 E 3rd St., So. Bethlehem, Pa.

Factory: 8 Mechanic St.,
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BOILERS - CHEAP



New 60 in. x 16 ft. Horizontal Tubular Boiler,
with Front and all Castings complete.

Also second hand—two 48 in. x 14 ft. Fire Box Boilers;
one 54 in. x 14 ft. and one 54 in. x 16 ft. Tubular
Boilers, all Castings complete, etc.; two Dewey
Water Tube Boilers, complete for hot water.

Also full stock of SECOND HAND 4-inch FLUES for
Piping Systems.

CHRIS PFEIFFER BOILER CO.

66 and 68 Michigan Street,

CHICAGO.

Mention the Review when you write.

PROPAGATING THE POTATO.

Potato Northern Star is just now occupying the attention of growers in the British Isles. The variety is very productive and is disease resistant. The skin and flesh are white, the eyes usually situated at either end, and when the tubers are lifted the embryo growths in the eyes are pink in color, which is a good means of identification. It is a good cooker. The seed tubers have been so high in price that the growers have propagated with great pains. One gardener became possessed of two pounds of tubers, which came carefully packed in cotton. He started them in a flat in the greenhouse and took off cuttings as the shoots appeared, and May 26 planted 200 in the open ground. On September 22 he is reported to have lifted a crop weighing 420 pounds from his two pounds of seed. J. W. Malden also topped his plants when they had grown a few inches and planted the cuttings just as though they were pelargoniums. Each eye served to start a plant, and he was able to plant an acre of land with 175 pounds of seed. The plants were set thirty inches apart, in rows thirty-two inches asunder. Of course, to make a success of this method it is necessary to begin early, not later than March, because the cuttings must be nice little plants in pots by the time for planting outdoors.

LAKE GENEVA, WIS.—Frank Augesky is putting up a greenhouse, 60x100, for H. C. Lytton, who contemplates another soon.

CARTHAGE, MO.—Perry Finn is building another greenhouse 200 feet long as an addition to his facilities for forcing vegetables.

HAMPTON, IA.—The Curtis Floral Co. has just completed an addition of 5,000 feet of glass, also installing a new heating plant.

ENCLOSED is a check for another dollar for subscription. The florist's best friend is his bank account; next comes the FLORISTS' REVIEW. It is a pleasure and a profit to sit down in the shade on a summer day or in one's warm office in winter and read what our brother florists over the whole country are doing.—C. W. EIFLER, Altoona, Pa.

We have a LARGE STOCK of all size
Greenhouse Boilers

ON HAND

And can make PROMPT SHIPMENTS

S. WILKS MFG. CO.

35th St. and Shields Ave.

CHICAGO.

Mention the Review when you write.

See That Ledge.

Pat. Sept. 13, 1900.

THE JENNINGS IMPROVED

IRON GUTTER.

...USE OUR...

Patent Iron Bench Fittings and Roof Supports

Ventilating Apparatus,

Improved Vaporizing Pans for Tobacco Extracts, Etc.

SEND FOR
CIRCULARS

DILLER, CASKEY & CO..

Successors to JENNINGS BROS.
S. W. Cor. 8th and Burke Sts., PHILADELPHIA, PA.



F

LIGHTNING

FLOWER POT WASHER

R

Washes all sizes of pots, clean as new, about as fast as you can handle them.
Strong plants are only grown in clean pots. Send for description.

Sold direct \$15.00
net, f. o. b. Joliet.

C. E. FINLEY, JOLIET, ILLINOIS.

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HITCHINGS & CO.

233 MERCER ST., NEW YORK.

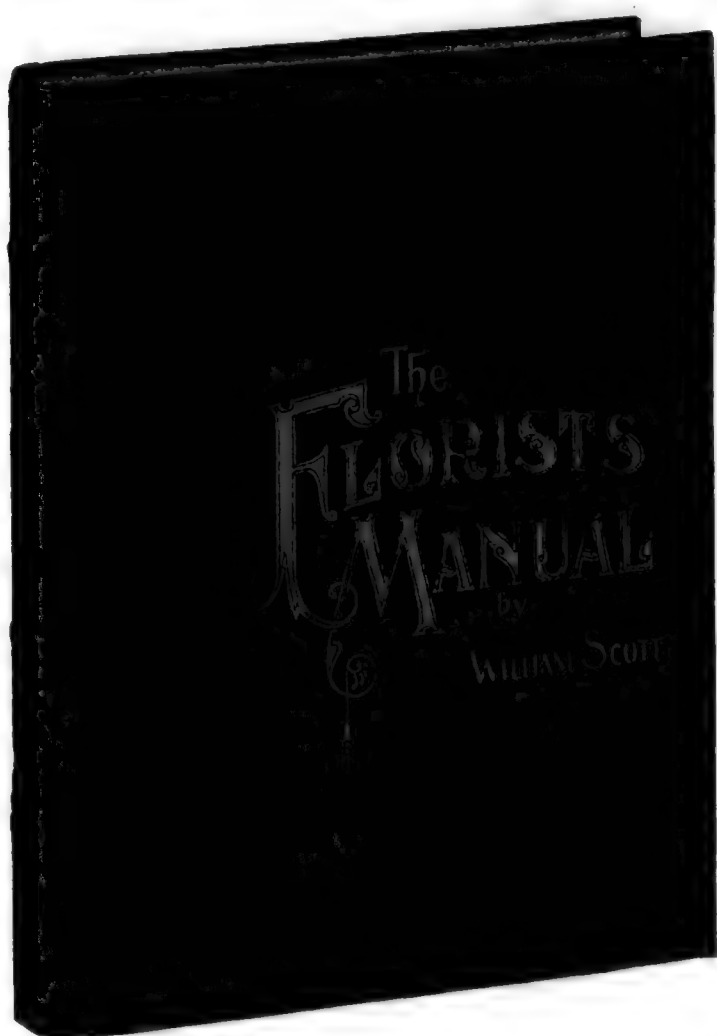
GREENHOUSE BOILERS

PIPES, FITTINGS AND VENTILATING APPARATUS

Send Four Cents for Catalogue.

GREENHOUSE BUILDING

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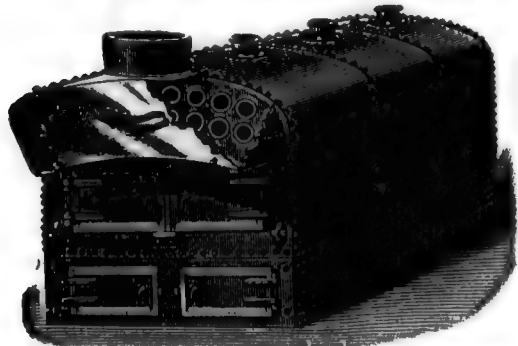
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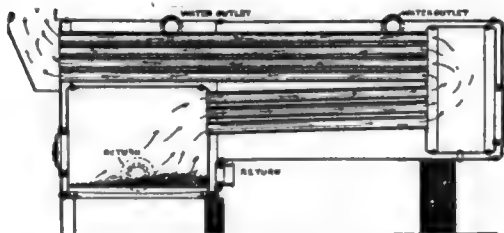
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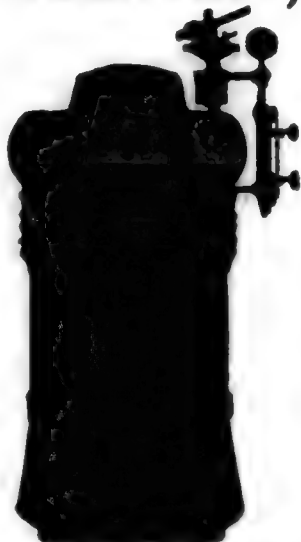
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THE EXHIBITIONS

NEW YORK.

Your regular correspondent will doubtless send you the awards individually, so I will confine myself to generalities and impressions of the show as a whole. Of course it was primarily a chrysanthemum show, and as such in all probability was the finest collection of high grade flowers ever brought together in America. Great credit is due the firms of E. G. Hill, Nathan Smith & Son and H. W. Buckbee for their enterprise in bringing plants and flowers such a distance and being able to win prizes after that. While there was an immense quantity of high grade flowers on exhibition, the number would have been trebled had the show been held a week or ten days earlier, for the exceedingly warm fall brought out all the varieties in a flood and all the exhibitors complain of the difficulty of holding their flowers long enough to exhibit.

In the commercial classes, A. Herrington, the president, covered himself with glory, winning some fourteen first prizes, Hill, Smith and Buckbee being also prominent, Hill winning on fifty yellow with Percy Plumridge, Appleton and the Eatons being still prominent in these classes. In the collection of thirty varieties fine displays were made by Hill and Smith, many of the novelties appearing in these classes.

In the special classes, W. Duckham, gardener to D. Willis James, Madison, N. J., exhibited some wonderful flowers, chiefly novelties. He won the C. S. A. silver cup with W. Duckham, which was easily the finest vase in the entire show.

He also won the special sweepstakes cup for twenty-five best flowers of all the different societies' prize winners. This was a grand lot of flowers, novelties being here prominent. Chief among them were W. Duckham, a magnificent pink; General Hutton, an immense bronzy yellow; Ben Wells, a reflexed white; Cheltoni, Leila Filkins, Mary Inglis and other immense flowers. These new varieties, as shown by Mr. Duckham and also Nathan Smith & Son and E. G. Hill, were the star attraction for the professional element.

Pompons were shown in immense variety and extent, R. Vincent, Jr. & Son, of White Marsh, Md., being the chief prize winners. On chrysanthemum plants the Boston grower, D. F. Roy, divided the honors with H. W. Buckbee, whose standards were fine. Vaughan had his grafted specimen in this class. In the foliage plant classes, J. L. Childs, Julius Roehrs and Siebrecht were represented, and in the orchid section Lager & Hurrell and J. Roehrs put up extensive displays, the first named in particular being represented by many magnificent specimens. Miscellaneous displays of evergreens were made by Bobbink & Atkins and other exhibitors.

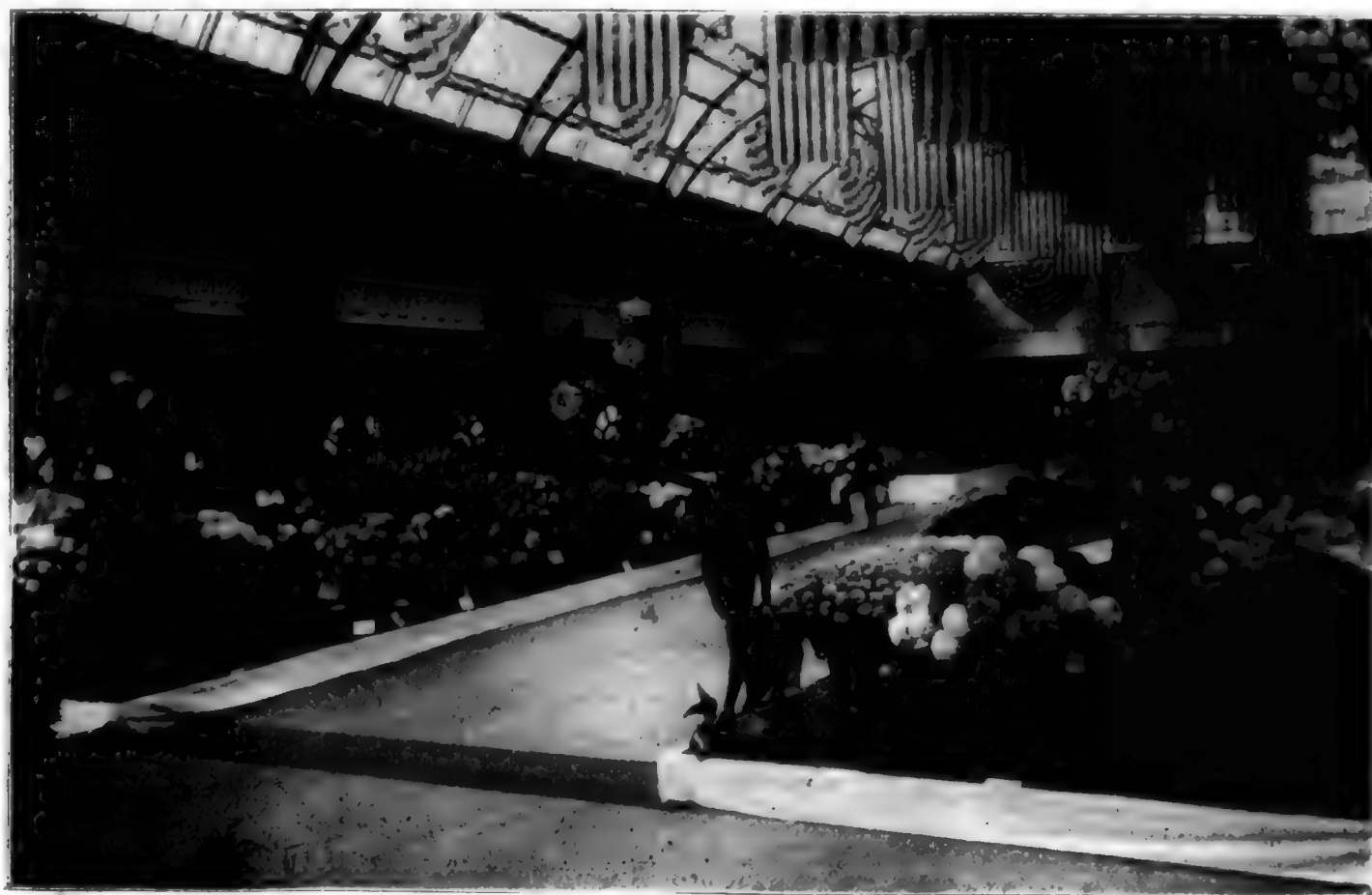
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The Cut Bloom Section at the New York Exhibition, November 10-12, 1903.

The Hit of the Season

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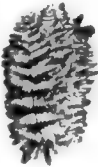
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Spiraea Japonica.....	\$0.45	\$3.00 \$28.00
" Compacta mult50	3.50 32.50
" Astilboides flori-		
bunda.....	.75	4.25 40.00
Superba.....	1.00	6.50
Gladioli Colvillei alba.....	.10	.65 5.00
Gladioli Rubra.....	.12	0.75 6.00
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Amaryllis form., bright scarlet.	12	100
forces well	\$.40	\$2.50
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rose, forces well75	5.00
Amaryllis Johnsoni Vittata,		
each, 20c	2.00	15.00
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around cut flower.....	.25	1.50
Sweet Pea Seed, California grown, all florists		
sorts, oz., 5c; ¼ lb., 10c; lb., 25c.		

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White, Brilliant Scarlet, Blue,
Rich Pink, Striped, Mixed.

Trade Packet, .30c; ¼ oz., 50c; oz., \$1.50

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THE EXHIBITIONS

NEW YORK.

Your regular correspondent will doubtless send you the awards individually, so I will confine myself to generalities and impressions of the show as a whole. Of course it was primarily a chrysanthemum show, and as such in all probability was the finest collection of high grade flowers ever brought together in America. Great credit is due the firms of E. G. Hill, Nathan Smith & Son and H. W. Buckbee for their enterprise in bringing plants and flowers such a distance and being able to win prizes after that. While there was an immense quantity of high grade flowers on exhibition, the number would have been trebled had the show been held a week or ten days earlier, for the exceedingly warm fall brought out all the varieties in a flood and all the exhibitors complain of the difficulty of holding their flowers long enough to exhibit.

In the commercial classes, A. Herrington, the president, covered himself with glory, winning some fourteen first prizes, Hill, Smith and Buckbee being also prominent, Hill winning on fifty yellow with Percy Plumridge, Appleton and the Eatons being still prominent in these classes. In the collection of thirty varieties fine displays were made by Hill and Smith, many of the novelties appearing in these classes.

In the special classes, W. Duckham, gardener to D. Willis James, Madison, N. J., exhibited some wonderful flowers, chiefly novelties. He won the C. S. A. silver cup with W. Duckham, which was easily the finest vase in the entire show.

He also won the special sweepstakes cup for twenty-five best flowers of all the different societies' prize winners. This was a grand lot of flowers, novelties being here prominent. Chief among them were W. Duckham, a magnificent pink; General Hutton, an immense bronzy yellow; Ben Wells, a reflexed white; Cher-toni, Leila Filkins, Mary Inglis and other immense flowers. These new varieties, as shown by Mr. Duckham and also Nathan Smith & Son and E. G. Hill, were the star attraction for the professional element.

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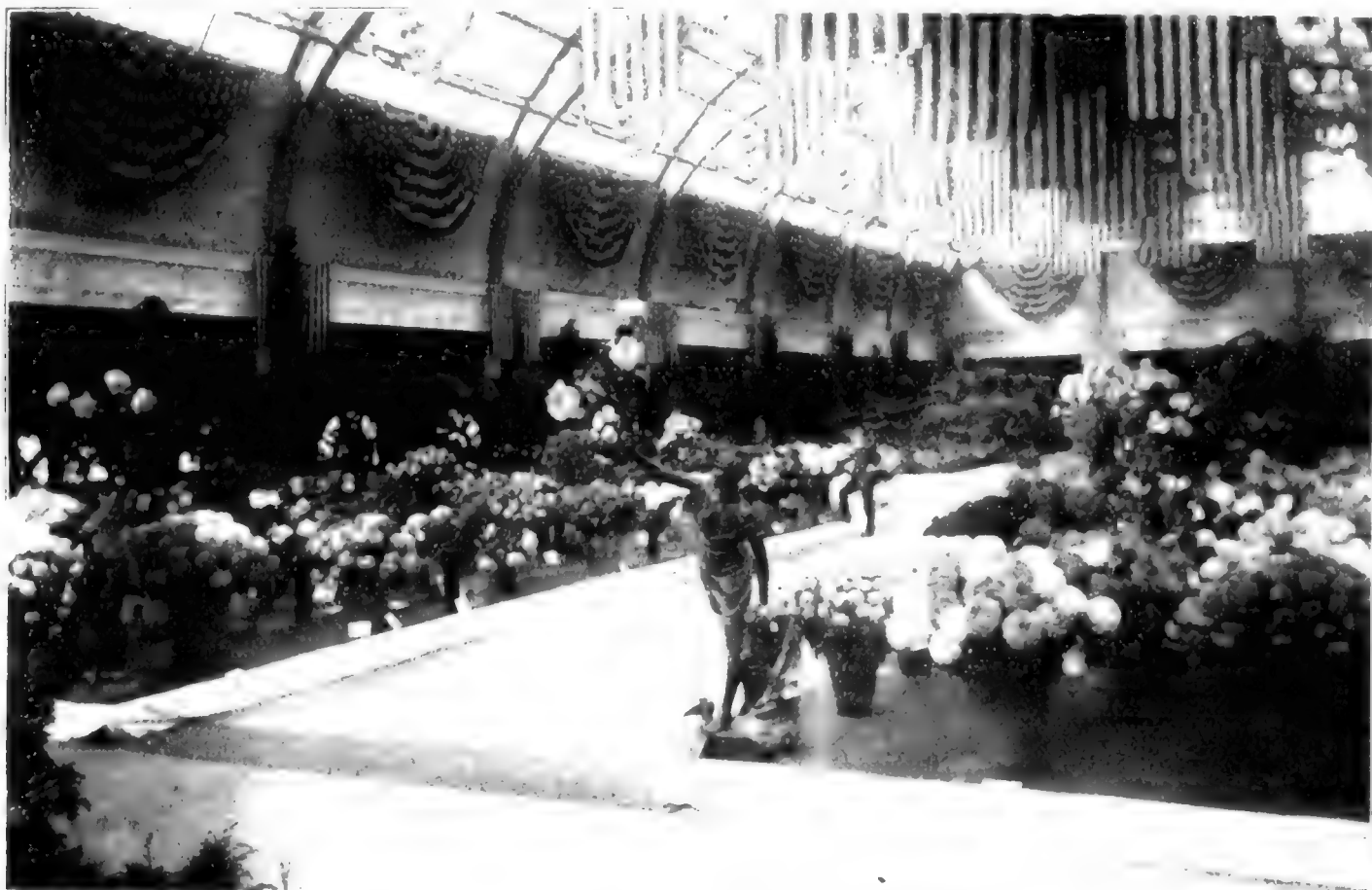
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that it was difficult to move about. The promoters of the show should certainly feel encouraged now that they have at last demonstrated that New York can hold a successful flower show. New York is evidently New York when it likes to get down to business.

A. Herrington was, of course, re-elected president. No one would hear of anything else at the meeting and, after the tremendous exhibit he made, it was only as it should be. F. R. Pierson retired as vice-president and Elmer D. Smith was elected in his place. This was the only change in the personnel of the officers. There seems a whisper in the air to hold the next meeting of the society at Boston.

The judges at the show were nine in number, as follows: Eugene Daille-douze, Chas. H. Totty, Professor Cowell, John Ash, Wm. Turner, Wm. Plumb, Edwin Lonsdale, Elmer D. Smith and Wm. Nicholson. B.

The Awards.

On chrysanthemum cut blooms the awards were as follows:

Fifty blooms one variety, E. G. Hill Co., Richmond, Ind.; A. Herrington, superintendent H. McK. Twombly, Madison, N. J., second.

Fifty blooms, five varieties, A. Herrington; H. W. Buckbee, Rockford, Ill., second.

Thirty varieties, E. G. Hill Co.; Nathan Smith & Son, Adrian, Mich., second.

Twenty-five yellow, A. Herrington; W. J. & M. S. Vesey, Fort Wayne, Ind., second.

Twenty-five white, A. Herrington; E. G. Hill Co., second.

Twenty-five pink, A. Herrington; W. J. & M. S. Vesey, second.

Twenty-five "any other color," E. G. Hill Co.; A. Herrington, second.

Twenty-five novelty of 1903, A. Herrington; H. W. Buckbee, second.

Ten pink, Wm. Duckham, gardener to D. W. James, Madison, N. J.; H. W. Buckbee, second.

Ten yellow, Wm. Duckham; C. B. Alexander, Tuxedo Park, second.

Ten bronze, A. Herrington; H. W. Buckbee, second.

Ten in variety, Wm. Duckham; G. C. Rand, Lawrence, N. Y., second.

Six Appleton, Talbot J. Taylor.

Six Golden Wedding, M. C. D. Borden.

Six Eaton, Talbot J. Taylor.

Six pink, E. D. Adams; Robt. Mallory, second.

Six yellow, Wm. Duckham.

Six bronze, Wm. Duckham.

Eighteen in three varieties, D. McFarlane; W. M. Johnson second.

Six yellow of 1902, A. Herrington; H. W. Buckbee second.

Six pink of 1902, W. J. & M. S. Vesey; A. Herrington second.

Six new white, N. Smith & Son.

Six new pink, F. R. Pierson Co., Tarrytown, N. Y.; Miss E. J. Clark second.

Six "any other color," Wm. Duckham.

Collection pompons, R. Vincent, Jr. & Son, White Marsh, Md.; W. H. S. Wood second.

Anemone-flowered varieties, N. Smith & Son.

Hairy and plume varieties, H. W. Buckbee second.

On chrysanthemum plants D. F. Roy, Malden, Mass., was first for three specimen bush, also for one "any other color," H. W. Buckbee was first for three standards, one white bush plant, one white standard, one pink standard, one yellow standard; second for three specimen bush and one bush pink. W. C. Roberts, Ossining, N. Y., was first for bush pink and yellow, second for white. On twelve single-stem D. E. Oppenheimer, Yonkers, was first and on six J. Crosby Brown, Orange, N. J.

On group of 250 feet J. L. Childs was first; Julius Roehrs first on group with no chrysanthemums. Lager & Hurrell were first for orchids and J. L. Childs for crotons. Siebrecht & Son were first for kentia, phoenix, tree ferns and bays.

On roses L. M. Noe was first for Beauty, F. R. Pierson second. On Brides and Maids L. A. Noe was first, J. R. Mitchell second. Blanche Potter, Ossining, was first for yellow teas and W. M. Johnson for "any other color."

On carnations C. H. Allen was first for largest collection, C. Weber, of Rockville Center, L. I., first for collection of six varieties and C. W. Ward for collection of three varieties.

Lyon & Strickland, Milton, N. Y., were first for violets. G. T. Schuneman second.

The special prizes of the various societies were awarded as follows:

C. S. A. silver cup, ten best blooms, to Wm. Duckham, for the variety of that name.

Horticultural Society of New York, display of conifers, to Siebrecht & Son.

Massachusetts Horticultural Society, for twenty-five blooms in variety, to Miss E. J. Clark, Pomfret Center; D. F. Roy second.

For twelve blooms, to Miss Clark. For twenty-five blooms judged for cultural excellence, to H. W. Buckbee.

Pennsylvania Horticultural Society, for forty blooms, to A. Herrington, C. B. Alexander second.

New York Florists' Club, for twenty-five blooms in five varieties, to A. Herrington.

Tarrytown Horticultural Society, for twenty-five blooms in variety, to D. McFarlane, Wm. Rockefeller second. For twelve blooms in variety, to Mrs. H. W. Webb, Robert Mallory second.

Morris County Gardeners' Society, for twenty-

J. N. May prize for twelve distinct varieties, E. G. Hill Co.; Wm. Duckham second; D. C. Rand third.

Pierson sweepstakes for best twenty-five blooms in society competitions, to Wm. Duckham. For twelve blooms, to A. Herrington.

CHICAGO.

The second exhibition of the Chicago Florists' Club, held Tuesday, November 17, in the Atlas block, was a marked advance over the one a month ago. The first of these shows was memorable for the fine showings of chrysanthemums staged by growers from a distance; this exhibition was notable for the wonderful exhibits of roses and carnations by our home producers. Seldom have better roses been staged in any exhibition and certainly at no large show was the average quality of the carnations so high. While the sensational vases may have been few, there was not a poor bunch of flowers in the hall.

Leonard Kill was manager of the show and had everything ready in good time. Owing to his efforts the exhibits were large and the exhibitors numerous, with the result that the hall proved too small for the occasion. From two to four o'clock the public was admitted by card and the aisles were so thronged as to make it difficult to move about the room. The successes of these first two shows should certainly warrant the committee in making preparations on a larger scale for the next exhibition to which the public is to be invited.

In roses Peter Reinberg, Wictor Bros., J. A. Budlong, and the Chicago Carnation Company, were the exhibitors. Reinberg showed a splendid vase of his new sort, Uncle John, an improved Golden Gate and one which everyone connected with the establishment believes is destined to supplant Gate. He also had a vase of Mme. Chatenay in as good shape as that rose is ever seen. Other sorts were Beauty, Liberty, La France, Perle, Bride, Maid, Kaiserin, Ivory, Sunrise and Golden Gate all in good form.

Wictor Bros. showed what many thought was the finest vase in the hall, Liberty in as perfect shape as that rose is ever grown. They also staged Bride, La France, Beauty, Ivory, Meteor, Maid and Golden Gate, each sort being in commendable form.

The Chicago Carnation Company made the largest display in the hall, their pot of Maids being particularly noteworthy. Their other roses were Beauty, Bride and Golden Gate. But it was, of course, on carnations that they were strongest, and in the center was the vase of Fiancee in even better form than heretofore shown, and with it was the Foley cup awarded Fiancee at Joliet. Mr. Hartshorne also staged a fine vase of Moonlight, John Hartje's new white. All of Mr. Hartshorne's stock was in prime shape, including Dorothy Whitney, No. 229, Mrs. Higinbotham, Harlowarden, Sibyl, McKinley, Alba, Her Majesty, Crusader, Stella, Lillian Pond, Nelson, Prosperity, Mrs. Palmer, Reliance, Lawson and Enchantress.

J. A. Budlong showed Beauty, Bride, Maid and Gate in good form, also excellent chrysanthemums, including Maud Dean, Murdock and Eaton.

Weiland & Risch sent up some very fine blooms of Timothy Eaton, Murdock and Viviand-Morel.

The out-of-town exhibitors, for we don't call Joliet out-of-town, were Fred Dorner & Sons Co., Lafayette; Baur & Smith and John Hartje, of Indianapolis. Fred Dorner, Jr., brought Lady Bounti-



F. R. Pierson's Exhibit at the New York Exhibition.

(Chrysanthemum Dr. Eaglehardt in center)

Six Mme. Carnot, A. Herrington.

Six Yellow Carnot, A. Herrington.

Twelve blooms, four varieties, novelties of 1903, D. McFarlane, gardener to Jos. Eastman, Tarrytown; A. Herrington second.

Thirty-six blooms, six varieties, Wm. Duckham; H. W. Buckbee second.

Eighteen blooms, six varieties, A. Herrington; Wm. Duckham second.

Five any variety in commerce, A. Herrington; Robert Mallory, Portchester, N. Y., second.

Six any white of 1902, Wm. Duckham.

Ten any American seedling, special prizes to Nathan Smith & Son, Adrian, Mich.

five blooms, to Wm. Duckham. For twelve blooms, to A. Herrington.

Monmouth County Society, for thirty-five blooms, to E. D. Adams, Seabright, N. J.

New Jersey Floricultural Society, for twelve blooms, to J. C. Brown, Orange; C. Hathaway, East Orange, second.

Lawrence-Cedarhurst Society, for twenty-five blooms, to G. C. Rand; for twelve blooms, to T. J. Taylor.

Tuxedo Society, for twelve blooms, to W. Hastings; H. W. Poor second.

E. G. Hill prize for seedling not in commerce, to N. Smith & Son, W. A. Manda second.



Roses and Carnations as shown at New York, November 10-12, 1903.

ful and The Belle, their two good whites, and a fine vase of mixed seedlings. A. F. J. Baur came with Indianapolis, their prolific bright pink, which makes a favorable impression wherever shown, and Mr. Hartje sent Moonlight, but it did not travel well.

W. N. Rudd staged Phyllis and No. 2001A, a fine red seedling.

Anton Then staged Mrs. Nelson, Sibyl, Wolcott, Her Majesty, White Cloud, No. 122, and one or two blooms each of several other seedlings. The Thompson Company also staged several vases of carnations, and H. Hansen put up a good vase of Higinbotham. John Reardon also brought a fine lot of Lawson.

Frank Garland brought two pots of Paper White narcissi and a carnation seedling, No. 15. L. J. Stankowicz showed two white seedlings, Mrs. Hearst and No. 11.

Bassett & Washburn sent a vase of very good 'mums and E. H. Hunt a bunch of good violets.

In plants the George Witthold Co. sent a big lot of commercial sizes in palms and ferns. Anton Then had a nice lot of cyclamens. John Reardon had two well flowered chrysanthemums. Sunstone. Vaughan showed ferns and solanums, with one pot of Golden Chadwick chrysanthemums. E. S. Thompson brought gladiolus bulbs and Geo. L. Stiles, of Oklahoma City, brought some very fine mistletoe.

Bentley & Co.'s shipment of roses for the show did not arrive in time to be staged, but were very fine.

At the closing hour eighty-three florists adjourned to supper, a purely informal affair at which the judges' report was read. They highly commended all the seedling carnations exhibited and gave honorable mention to the meritorious exhibits in the other departments of the show, specifying much of the stock named above. The \$50 in prize money was distributed as follows: Five dollars each to Peter Reinberg, for Uncle John rose; to Wieter Bros., for Liberty; to the Chicago Carnation Co., for Maid; to F. Dorner & Sons Co., for seedling carnations; to Chicago Carnation Co., for Fiancee; to Thompson Co., for Wolcott; to Weiland & Risch, for Eaton; to Anton Then, for cyclamen; to J. A. Budlong, for general display.

Following the report of the judges Congressman J. J. Feeley spoke entertain-

ingly, and F. S. Allen, of Joliet; A. F. J. Baur, of Indianapolis; G. L. Stiles, of Oklahoma, and M. G. Holding, of Chicago, were called on by President Rudd. Each made brief remarks.

BUFFALO.

The all important event of the week just closed was, of course, the H. A. Meldrum show. You hear frequently from brother florists who never would give us support when our Florists' Club held a show, some criticism that we should have to depend on a department store to hold a floral exhibition. If Pittsburg, Cleveland, Detroit and other cities of our size were holding successful exhibitions I would say there was something serious the matter with our town, or its people, or its florists, but they are not and the largest cities of the country cannot make the revenue meet the expenses. All honor the florists of these big cities, if they do persist in holding shows and putting their hands deep in their pockets to make up the deficits. The writer believes public exhibitions of our products do help the business all along the line, and if all in the trade would help the cause the burden would be light. But they do not, so we can see nothing but a benefit to us when an enterprising, liberal firm, such as the H. A. Meldrum Co. has proved to be, has the pluck and business insight to relieve us from all financial anxiety and give better premiums than any Florists' Club ever hopes to.

It was a success in every sense of the word. Weather ideal, crowds immense from morning to night, and here is a very good place to say that the firm was so well pleased with results that they will double the space for exhibits and double the amount of premiums in 1904.

A feature that was very gratifying was the number of brother florists who came from many points within a hundred miles, and some much farther. I know I missed many, but here are some who came and were well pleased: Mr. Hill, Jr., of Richmond, Ind., just like Papa, only taller and handsomer; Mr. Baur, of Erie, Pa.; Mr. Bennett, in charge of Nathan Smith & Son's exhibit; A. Krueger, of Meadville, Pa.; John Rudy, of Elmira; W. C. Rockwell, Bradford, Pa.; Roderick Cameron, Percy Lyons, George Piner, J. G. Robertson, Peter Murray, all of Niagara Falls, Ontario; T. Mansfield

& Son, of Lockport; Mr. Craig, of Geneva; Mr. Michael, of Dansville, besides the stately judge, Geo. E. Fancourt, of Wilkesbarre, and on Friday, much to our pleasure, turned up President-elect Phil Breitmeyer and President Geo. Rackham. A feature of the exhibit which pleased the public much was the dinner tables set with full equipment of silver, glasses, linen, favors, etc., with chrysanthemum decoration. Mr. Breitmeyer and other gentlemen who certainly ought to know, pronounced them equal to any exhibit of the kind they had ever seen.

I trust it paid them, and supposing it did, we are still under an obligation to the E. G. Hill Co. and Nathan Smith & Son for the splendid displays of cut blooms they sent. In the class for 100 blooms, not less than twenty-five varieties, \$50, \$30 and \$20, there were some great blooms and keen competition. In the Hill collection we noticed, of great excellence, Diedrich, creamy white; Jean Calvat, enormous old gold; La Fusion, flesh pink; Lucy Evans, lavender pink; H. W. Buckbee, fine yellow; McEneroy, bronze. In Nathan Smith's collection noticeable among many fine varieties was Dr. Oronhyatekha, a grand large yellow (but the name ought to kill the man and the flower); Col. Baden Powell, old rose pink; Silver Queen, light pink; Dazzler, bronze; M. C. Niccolaud, incurved white, and again, La Fusion. This firm also exhibited a vase of Golden Age, a flower of the Appleton type and the richest yellow. Mr. Marquisee, of Syracuse, was good enough to send a vase of his famous Flamingo carnation which showed up in fine form and for this season a wonderful stem. And then came from Detroit twenty-five beautiful flowers of Breitmeyer & Sons' nameless pink rose. "A hundred dollars in gold for a name." Thousands looked at the card and I dare say thought that could be easily earned. If others can grow this rose as Messrs. Breitmeyer do and show such blooms from plants propagated in April, then it's a great acquisition.

On Friday evening the craft gathered at a long table. Most of the visitors had escaped, except one, a notable one, the president-elect of the S. A. F., and Phil made us all feel good, not alone by his presence, but the good and sensible talk he gave. As for the rest it was very informal and mostly a "Mutual admiration

society." A man who helps along these affairs very much is Mr. Syler, the advertising manager of the H. A. Meldrum Co. He is great little stuff and when he and Capt. Braik get together you have the long and the short, the big and the little, the diamond in the rough and the radiant pearl.

The judges who kindly officiated in relays of three were George E. Fancourt, James Braik, Charles Guenther, John Rudy, Philip Breitmeyer and Geo. Rackham.

Charles Keitsch, who has had entire charge of the exhibition and all preparations, acquitted himself in his usual able and modest manner and gave the utmost satisfaction to all concerned. As briefly as I can condense it, here are the awards:

The Awards.

In plants C. Sandford took three firsts and John Large, assistant gardener to Mrs. Lewis, two firsts.

Fifty cut blooms, white, C. F. Christensen, on Eaton; E. G. Hill Co., second, with Mrs. Bulterick; Wm. Ehmann, third.

Twenty-five white, Nathan Smith & Son, on Mrs. N. Smith; E. G. Hill Co., second, on G. W. Diedrich; Wm. Ehmann, on Mutual Friend.

Fifty yellow, Smith & Son, on Appleton; E. G. Hill Co., second, on Yellow Eaton; Wm. Ehmann, third, on Golden Wedding.

Twenty-five yellow, Smith & Son, on Yellow Eaton; E. G. Hill Co., second, on Yellow Eaton; Wm. Ehmann, third, on Minerva.

Fifty pink, C. F. Christensen, on Maud Dean; E. G. Hill Co., second, on Marie Liger; Wm. Scott, third, on Maud Dean.

Twenty-five pink, Smith & Son, on Morel; E. G. Hill Co., second, on Mrs. Rilling; Wm. Belsey, third, on Maud Dean.

Fifty "any other color," Wm. Ehmann, on Childs; Wm. Kasting, second, on mixed varieties; E. G. Hill Co., third, on Miss L. Baur.

Twenty-five "any other color," Chas. Sandford, on mixed dark varieties; Wm. Ehmann, second, on Black Hawk; Smith & Son, third, on Lady Hanham.

The vases of American Beauty roses could not be beaten in this broad land. And thus endeth the second chapter.

W. S.

INDIANAPOLIS.

Wednesday was special carnation day and we had by far the best and largest display of carnations ever seen at any of our fall shows. Only standard varieties could compete in the regular classes, but nearly all of the new candidates were shown in large lots. The F. Dorner & Sons Co., of Lafayette, showed their two fine whites, besides a large number of seedlings in lesser quantity. R. Witterstaetter, of Cincinnati, showed an improved Estelle which attracted much attention by its fine color. The B. K. & B. Co., of Richmond, showed their Richmond Gem in good shape. This looks like a bread-and-butter carnation. J. D. Thompson showed Nelson Fisher, also Mrs. Patten. John Hartje showed his Moonlight in fine shape. Baur & Smith showed a fine vase of their new Indianapolis, which attracted much attention by its fine color. They also showed a vase of each of two other seedlings, Beatrice, a light pink, and Indiana Market, a pure white, both good. The winners in the competitive classes were as follows:

The B. K. & B. Floral Co. was first for fifty crimson and fifty red, second for light pink. E. T. Grave was first for dark pink. Stuart & Haugh were first for yellow. J. D. Thompson was first for variegated, red, light pink and vase of 100, also second for 100 and for white and dark pink. W. J. & M. S. Vesey had the best and largest collection (W.

K. Partridge, second), and were second on variegated.

On new pink Swan Peterson was first with a fine light pink a full shade deeper than Enchantress; Thompson second with Nelson Fisher; Richmond Gem was the winning new red, Dorner & Sons Co. taking both premiums for new white with The Belle and Lady Bountiful. They were second for variegated, their seedling being beaten by Patten. Among standard sorts the best ones were McKinley, Wolcott, Fenn, Enchantress, Estelle, Prosperity, Lawson, Crane, Roosevelt, Avondale and Nelson. J. Hartje's Moonlight was certificated.

The roses were away ahead of any previously shown here, both in quantity and quality. Of course the new ones were the center of attraction and most of them looked very promising. Breitmeyer's new pink rose attracted much attention and the \$100 offered for a name kept the crowds guessing along that line. This looks like a good thing and the judges unhesitatingly declared that it would fill a long felt want, as more variety is badly needed in roses. E. G. Hill showed several of his new varieties, one of them capturing the prize of \$50, and will be named Rosalind Orr English. This is a beautiful deep but bright pink sort of great promise. Mr. Hill says it has a great pedigree. Among the others was a fine vase of his yellow seedling. A fine pink one captured the prize for best forcing variety. He also showed several of his Liberty seedlings and a vase of Mildred Grant, a beautiful, delicately tinted variety of white and pink color. E. T. Grave showed a bloom of a pink sport from Liberty.

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On 100 Beauties, Benthley & Co., first; Heller Bros., second; Reinberg & Welland, third. Brides, Benthley & Co., first; Reinberg & Welland, second. Maids, Benthley & Co., first; Reinberg & Welland, second; W. K. Partridge, third. Ivory, W. K. Partridge, first; E. G. Hill Co., second. Liberty, W. K. Partridge, first; E. T. Grave, second. Kaiserin, W. K. Partridge, first; W. W. Coles, second. Golden Gate, W. K. Partridge, first; Benthley, second. Any other variety, E. G. Hill Co., first; E. T. Grave, second.

The Breitmeyer rose was certificated. Two fine tables of mixed varieties were staged by



Pompon Chrysanthemums Shown at New York by R. Vincent, Jr & Son.

One hundred blooms, not less than twenty-five varieties, E. G. Hill Co., first; Chas. Sandford, second; Smith & Son, third.

Fifty blooms, varieties of 1903, E. G. Hill Co., first, Smith & Son, second.

One hundred blooms arranged for effect, S. A. Anderson, first; Wm. Scott, second; W. F. Kasting, third.

Handle basket, Chas. Sandford, gardener to J. J. Albright, first, with a beautiful basket of orchids worth at least \$150; Wm. Scott, second, with basket of white chrysanthemums and cattleyas; C. D. Zimmerman, third, with Meteor roses.

Dinner table, W. J. Palmer & Son, first, with a most finished effort, including several hundred dollars worth of nappery, with Bonnaillon mums; Wm. Scott, second, with Maud Dean mums; S. A. Anderson, third. C. D. Zimmerman set a fine table in white. Jimmy Braik said a less variety of glasses and more of them filled would suit his judgment better.

One hundred Beauty roses, S. A. Anderson, first; W. F. Kasting, second; South Park Floral Co., New Castle, Ind., third.

One hundred white roses, C. Guenther, first, with Kaiserin; S. A. Anderson, second, with Bride; W. F. Kasting, third, with Kaiserin.

One hundred pink, W. F. Kasting, first, with Killarny; South Park Floral Co., second, with Maid; S. A. Anderson, third, with Golden Gate.

One hundred red, W. F. Kasting, first, with Liberty; South Park Floral Co., second, with Meteor.



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Six plants in 8-inch pots, Huckreide first, Rieinan second, Gunnar Tellmann third. Six plants white, 6-inch pots, Conway first, Rieinan second, John Hartje third. Six pink, Hartje first, Rieinan second. Six yellow, Hartje first, Rieinan second. Six in six varieties, Conway first, Rieinan second, Hartje third.

Twenty-five single-stemmed white, Huckreide & Son first, Rieinan second. Yellow, Hartje first, Bertermann Bros., second. Pink, Rieinan first, Hartje second. "Any other color," Hartje first, Conway second. Best novelty, Vaughan's Golden Chain.

Asparagus Sprenger, Bertermann Bros., first; also on Boston fern, six ferns, and Lorraine begonia. H. W. Rieinan was first on ten show plants and on cyclamen, second on Lorraine. His Begonia robusta, a sport from Lorraine, was certificated.

W. A. Manda, So. Orange, N. J., received a certificate for Chrysanthemum Dr. Englehardt, a beautiful pink.

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Mrs. Chas. Rieinan, Vincennes, Ind.; Mr. Norton, S. Orange, N. J.; W. N. Rudd, P. J. Foley, E. Wienhoeber, E. Buettner, P. J. Hauswirth, of Chicago; E. G. Hill, Miss S. A. Hill, E. Ruch, Miss Dora Ruch, H. Stein, Mr. and Mrs. Geo. Gause, F. Waldele, Geo. Fulle, Chas. Knopf, Wm. Backmeyer, Geo. Bullerdick, J. A. Evans, V. D. Grave, of Richmond; Mr. Reisl, of N. Smith & Son, Adrian, Mich.; H. Heller, O. Benthley P. Welland, Mrs. Wm. Dittmann, of New Castle; Otto Heini, Mr. and Mrs. Fred Heini, of Terre Haute; M. A. Barick, Seymour, Ind.; Chas. Barnaby, Columbus, Ind.; S. S. Skidelsky, Philadelphia; Mr. Hurshy, of Joy & Son, Nashville, Tenn.; Swan Peterson, Gibson City, Ill.; B. Eschner, Philadelphia; J. Schray, St. Louis; A. Peterson, Paxton, Ill.; Geo. Schulz, Louisville; W. K. Partridge, Lockland, O.; M. Kyrche, R. Witterstatter, "Doc" Sunderbruch, Wm. Murphy, Wm. Schumann, J. Rogers, Mr. McCullough, of Cincinnati; Jos. Heini, Jacksonville, Ill.; J. Bailey, Hartford City, Ind.; J. A. E. Haugh, J. S. Stuart, Edgar Stuart, E. Hyatt, R. Ellis, of Anderson; F. Dorner, Jr., H. Dorner, Mrs. F. Dorner, Sr., Miss E. Dorner, F. E. Hudson, of Lafayette; W. W. Colas, C. Coles, of Kokomo; C. C. Clark, S. Humfeldt, H. Bertermann, of Muncie; F. Breitmeyer, of Detroit; Wm. Walker and son, Louisville; J. D. Thompson, Joliet; W. H. Elverson, New Brighton, Pa.; Ed. Bissell, Mr. and Mrs. G. Tellmann, Marion; Mr. and Mrs. Ed. J. Brower, of Shelbyville; Theo. Bock, Hamilton; J. B. Helms, Dayton; H. Bornhoeft, Tipton; J. Willius, Danville, Ill.; W. Beyers, Franklin; Mrs. Vesey, Ft. Wayne.

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The second day brought the carnations, roses and violets. All these were well represented. The feature of the rose exhibit was the vase of twenty-five special blooms of Liberty from Edward Towill, of Roslyn. They were exceedingly well done. Beauty and Edgely were shown in good form, also a great number of smaller roses. This exhibit was very popular. It was often difficult to get near the flowers.

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Twenty-five pink, Smith & Son, on Morel; E. G. Hill Co., second, on Mrs. Rilling; Wm. Belsey, third, on Maud Dean.

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Ivory, W. K. Partridge, first; E. G. Hill Co., second.

Liberty, W. K. Partridge, first; E. T. Grave, second.

Kaiserin, W. K. Partridge, first; W. W. Coles, second.

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Pompon Chrysanthemums Shown at New York by R. Vincent, Jr & Son.

One hundred flowers, Mrs. H. A. Farley, five varieties; E. G. Hill Co., first; Chas. Sandiford, second; Smith & Son, third.

Fifty blooms, a dozen of each, E. G. Hill Co., first; Smith & Son, second.

One hundred flowers arranged for effect, S. A. Anderson, first; Wm. Scott, second; W. F. Kasting, third.

Hand basket, Chas. Sandiford, gardener to J. J. Albright, first, with a beautiful basket of orchids worth at least \$150; Wm. Scott, second, with basket of white chrysanthemums and cuttings; C. D. Zimmerman, third, with Meteor roses.

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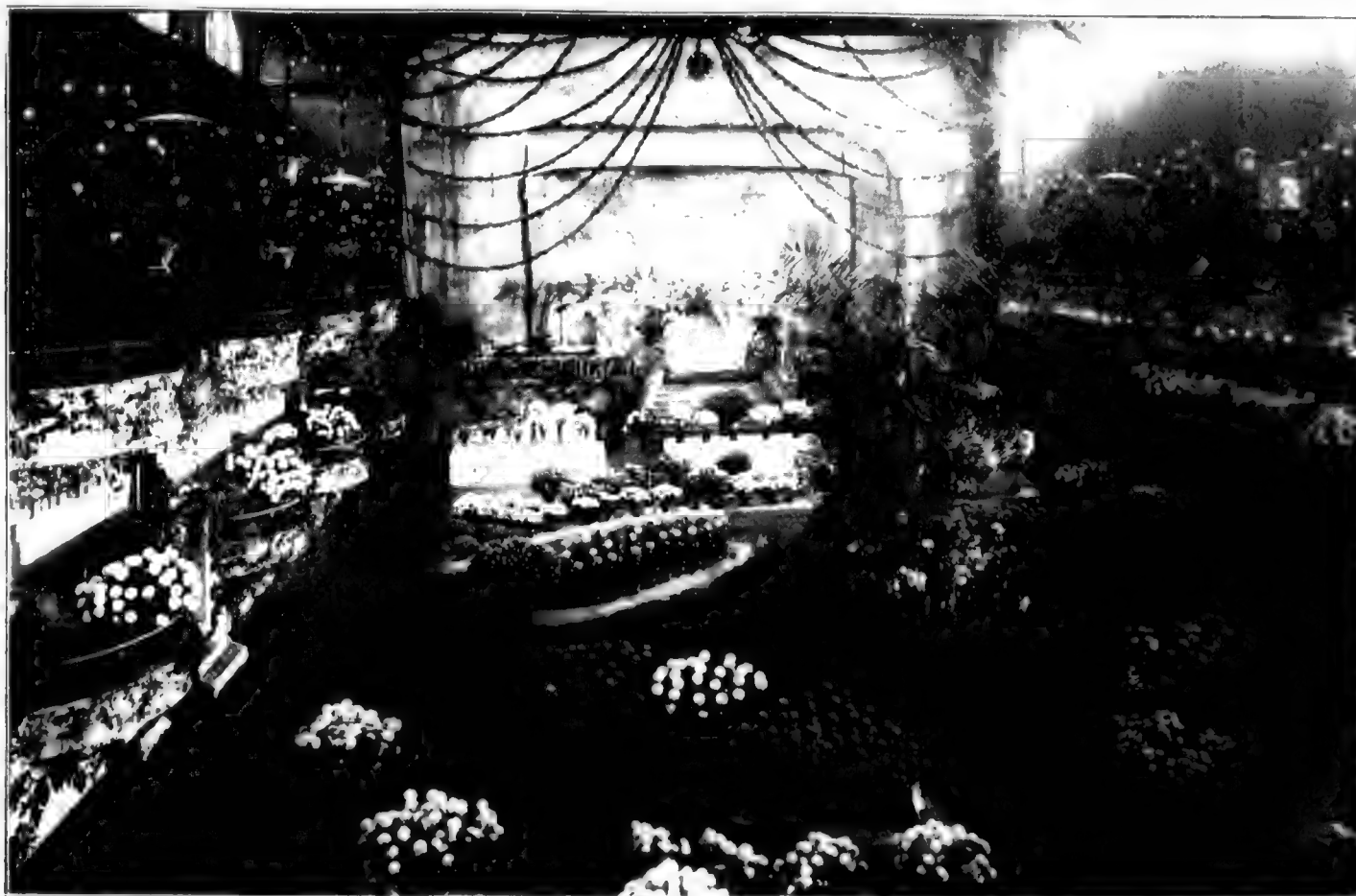
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Several varieties being set out in a well executed design, the whole bed encircled by a colored light, produced a most pleasing effect. This was the object lesson of the Henry F. Michell Co., and the work of Phillip Freud.

A very fine plant of heliotrope, said to be new, with immense masses of bloom, was shown by Arthur Mallon, Jr., manager for Lewis Burk.

There was a pretty vase of the yellow Cosmos Klondike, said to bloom only under glass in this latitude.

There was a splendid collection of vegetables, chiefly from the private gardeners, most creditable. The seedmen had interesting exhibits of bulbs and implements of all kinds. The nurserymen had some fine evergreens, and a large collection of hardy chrysanthemum blooms which proved very interesting.

The orchid exhibit referred to last week won a silver medal. It was very choice and beautifully staged. The exhibitors were Lager & Hurrell.

The weather continued favorable throughout the entire week, large crowds attending daily, larger I am informed than ever before. It is impossible for me to give a detailed account of one-half the meritorious exhibits. One of the judges, A. B. Cartledge, described the exhibition as the finest he had ever seen. Before closing a word of praise is due the masterly way in which Secretary Rust rose to the occasion. Everything was done promptly and quietly, exhibitors and visitors alike receiving full consideration. PHIL.

The Awards.

The following are the first premiums awarded in the classes for cut flowers and plants:

To John Thatcher, gardener to Edward Le Boutillier, Wynnewood: On specimen foliage plant, orchid, six foliage plants, one croton, *Dracaena Sanderiana*, specimen *dracaena*, ma-

twenty-five blooms in five colors, thirty-six blooms in three colors, thirty-six blooms in six varieties, eight geraniums.

To Wm. Fowler, gardener to Mrs. Charles Wheeler, Bryn Mawr: On six plants in six varieties and 6-inch pots, six plants yellow, six plants varieties of 1903, twelve plants in two colors.

To Wm. Kleinheinz, gardener to P. A. B. Widener, Ogontz: Twelve plants in three colors, six plants "any other color," six cut blooms crimson, twelve blooms in twelve varieties, six blooms *Stella M. Elkins*, six blooms T. D. M. Cardeza.

To Samuel Batcheler, gardener to C. B. Newbold, Jenkintown: On pair palms, six Rex begonias, specimen Rex begonia, *Adiantum Farleyense*, eight Rex begonias, twenty carnation blooms.

To Joseph Hurley, gardener to J. W. Paul, Jenkintown: On six blooms "any other color," six palms, specimen palm (also silver medal), nepenthes, group of 100 feet, pair fern dishes, pansies.

To John Mitchell, gardener to Pennsylvania Hospital: On twelve blooms in twelve varieties, twenty blooms yellow, six blooms Mrs. Frank Thomson, *Perle* roses.

To Thomas Long, gardener to G. W. C. Drexel, Bryn Mawr: On *Pieris* (silver cup), best fern (silver medal), six ferns, best plant in hall.

To John Cullen, gardener to Percival Roberts, Jr., Narberth: On two plants in 10-inch pots, specimen plant of 1902 variety, specimen plant yellow.

To John McCleary, gardener to Wm. Weightman, Germantown: On six plants in six varieties and 8-inch pots, forty cut blooms pink.

To J. H. Dodds, gardener to H. S. Hopper, Narberth: On two *dracaenas*, ten foliage plants, plateau of ferns and foliage.

To W. H. Rieder: On plateau of chrysanthemums, handle basket of flowers.

To John Hobson, gardener to E. A. Schmidt, Radnor: On fifteen foliage plants, ten crotons.

To Frank Ibbotson, gardener to J. V. Merrick: On six blooms "any other color," twenty-five blooms in twenty-five varieties.

To John Burton, Wyndmoor: On six Beauties.

To Wm. Fowler, gardener to Mrs. Charles Wheeler, Bryn Mawr: On collection of tea roses.

To Robert Forrest, gardener to B. Borie, Jenkintown: On twelve Beauties.

To Andrew Morrison, gardener to Curwen Stoddart, Rydal: On six blooms yellow.

To Albert Muller, gardener to Dr. Mattison, Ambler: On six blooms pink.

To Fred Huggler, gardener to George Vaux, Bryn Mawr: On six blooms crimson.

To Chas. Hickey, gardener to J. W. Martin, Chestnut Hill: On six blooms yellow, six white.

To Ernest Ashley, Allentown: On forty blooms yellow.

To E. A. Stroud, Overbrook: On twenty blooms pink, twenty white.

To Frank West, gardener to J. A. Brown, Devon: On six blooms pink.

To F. & H. Mergenthaler, Germantown: On Bridesmaid roses.

To Edwin Towill, Roslyn: On Liberty roses.

To Myers & Samtman, Wyndmoor: On Sunrise roses, Queen of Edgely, twenty-five Beauties.

To John Little, gardener to John Lowber Welsh, Chestnut Hill: On Ivory roses.

To Joseph Becker: On La France and Ideal roses.

To the Floral Exchange: On Bride roses, Meteor, Golden Gate.

To C. W. Cox: On Kaiserin roses.

To Sarah I. Smith, Secane, Pa.: On Princess of Wales violets, Luxonne violets.

To T. H. Norton, Hightstown, N. J.: On Campbell violets.

To Albert Fenton, gardener to E. L. Welsh: On "any other variety" violets.

To Joseph Kift & Son: On mantel decoration.

To Wm. Graham Co.: On dinner table decoration.

To Thomas Meehan & Sons, Germantown: On twelve sprays pompons.

To Wm. Kelley, gardener to Mrs. D. L. Wood, Conshohocken: On six blooms white.

To Lager & Hurrell, Summit, N. J., silver medal for collection orchids.

To H. A. Dreer, special prize for foliage plants.

To Wm. Graham Co., special prize for floral display.

To W. A. Manda, So. Orange, N. J., certificate for Dr. Englehardt chrysanthemum.

To John Kuhn, for four vases chrysanthemums.

To John Nisbit, mention for Cosmos Klondike.

There was in addition a long list of awards for vegetables.

NEW HAVEN, CONN.

The third annual exhibition of the New Haven County Horticultural Society was held in Music hall on November 10, 11 and 12, and was considered better than any of the previous exhibitions held in Music hall.

Henry Cliff, gardener to the Jennings' estate, of Fairfield, deserves special mention for cut blooms of chrysanthemums, Walter Angus, gardener to R. H. Scoville, of Chapinville, and J. P. Lorensen, gardener for Chas. S. Smith, of Stanford, deserve special mention for their exhibits of large bunches of grapes, especially the former, whose grapes were as large as plums. John Murry, of the Yale botanical gardens, must also be remembered, and likewise John Doughty, Chas. Munro and J. N. Champion. The Munson Paper Co. received a diploma for the best exhibit of florists' supplies.

Prizes for chrysanthemums were awarded to the following:

Henry Cliff, of Fairfield; John Murry, of the Yale botanical gardens; John Long, of East Haven; Walter Angus, of Chapinville; J. F. Hauss, of Hartford; Edw. Allison, David Furgerson, Wm. H. Lyons and Mrs. Wm. Gardner.

For the best group of foliage plants, including ferns, palms and rubber plants, prizes were won by Wm. Gardner, John Murry, John J. Ode, F. E. Duffy, Ernest Carrio, David Furgerson and Edw. Allison.

For groups of specimen plants the following were awarded prizes: Robert Patton and David Kydd. Prizes for begonias were awarded to Robert Patton, Ernest Carrio and Mr. and Mrs. Wm. H. Lyons.

For the best assortment of potted plants, David Kydd, Frank E. Duffy, Edw. Allison, Wm. Pfeffer and W. H. Lyons won the prizes.

Prizes for vegetables were awarded to A. N. Farnano, F. E. Murray, Ernest Carrio, Henry Cliff, Adam Zeigler and Geo. Harlord.

For geraniums, prizes were awarded to John Murry, Wm. H. Symons, Mrs. Stevens and A. J. Thompson.

Elm City Nursery received a prize for the best collection of evergreens.

Chas. Kearns, gardener for the city parks, received a prize for the best collection of berries from shrubs and trees.

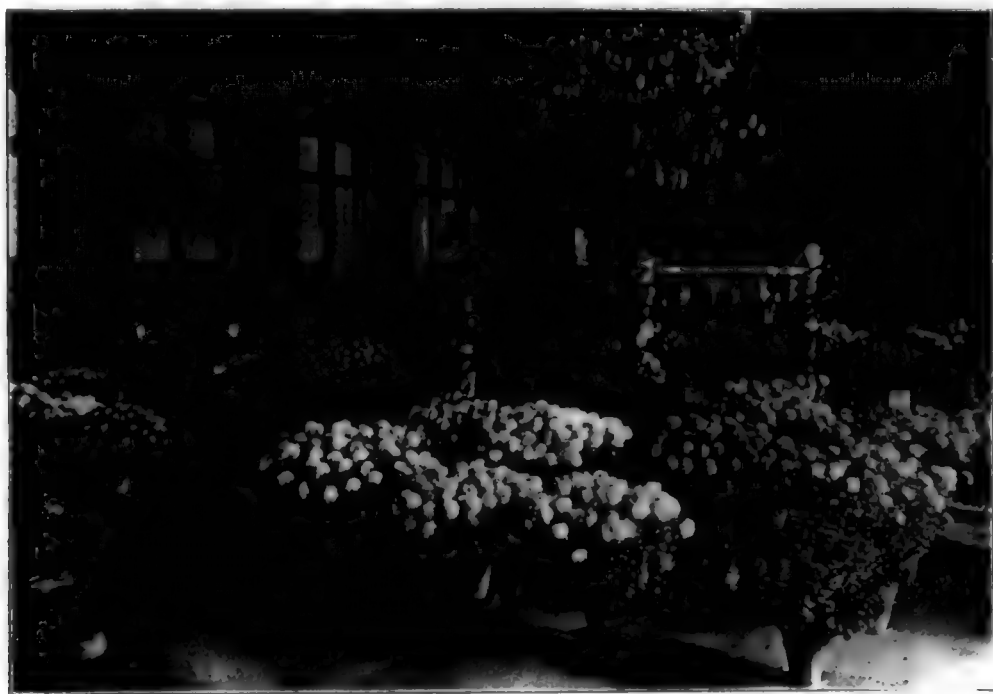
Walter Angus and J. P. Lorensen received prizes on the three best bunches of dark grapes.

Theodore Wirth, of Hartford, received a prize for the best set of photographs of views of gardens, lawns, shrubs and trees.

The prizes offered for roses and carnations were won by Jas. Beach, of Bridgeport; John Long, Robert Patton, Robert Angus, Henry Cliff, Mrs. Whiting and J. P. Lorensen.

For violets the prizes were awarded to J. H. Slocombe and A. J. Thompson.

Several growers were refused the privilege of exhibiting as they did not apply for room to exhibit three days before the exhibition opened, which is one of the rules of the society. It seems as



Chrysanthemum Plants at the Philadelphia Show.

rants, six flowering begonias, specimen flowering begonia, flowering plant other than chrysanthemum, window box, eight foliage plants, six foliage plants, best foliage plant (silver medal).

To Gordon Smirl, gardener to J. F. Sinnott, Rosemont: On six bush plants in six varieties, one plant of new variety, four plants in four varieties, three plants in three varieties, plant of variety Miss Anne Thomson, four plants in four colors, three plants of varieties introduced in 1902, three plants white, best chrysanthemums in hall (silver medal).

To Wm. Robertson, gardener to John W. Pepper, Jenkintown: On specimen plant white, "any other color," specimen plant variety Mrs. Frank Thomson, six blooms Wm. L. Elkins,

To Geo. Guignet, gardener to F. C. Bosler, Carlisle: On sixty cut blooms in twelve varieties.

To Patrick Dunn, gardener to Mrs. C. F. Berwind, Wynnewood: On Asparagus Sprenger.

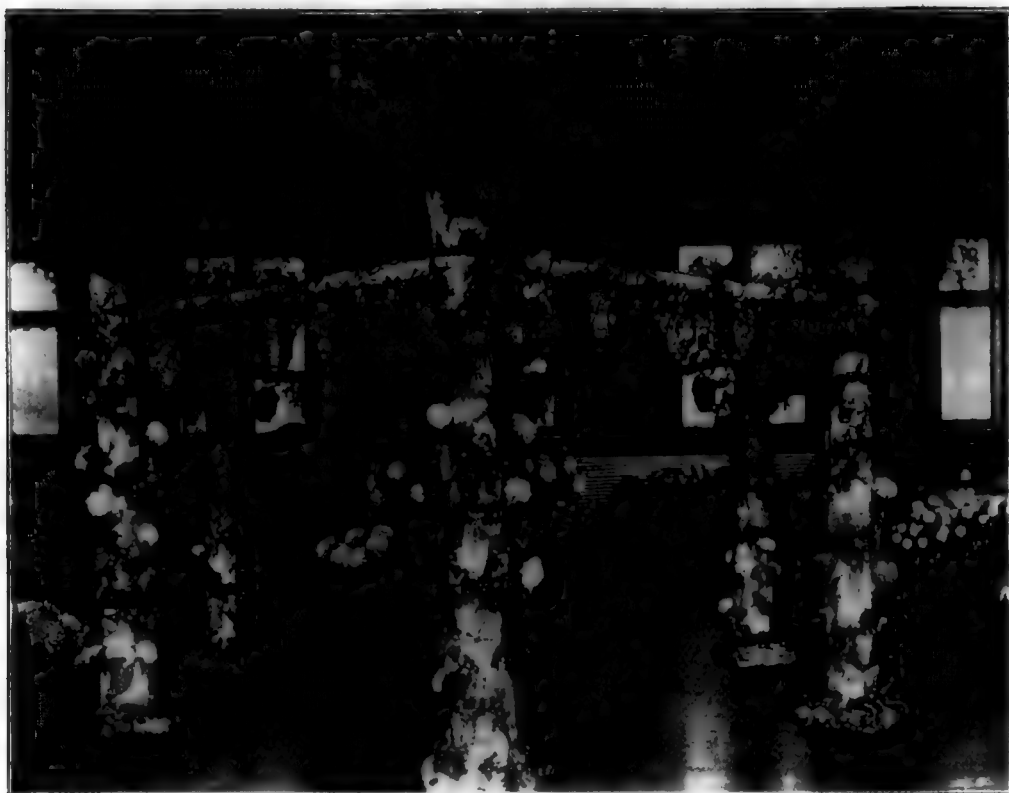
To Wm. Wilkie, gardener to R. S. Mason, Germantown: On six caladiums.

To Edward Jones, gardener to Mrs. Cardeza, Germantown: On thirty-six cut blooms in six varieties, six blooms Mrs. W. B. Chamberlain.

To William Morton: On six *dracaenas*.

To Peter Fisher, Ellis, Mass.: On fifty carnation blooms variety not disseminated, best seedling (silver cup).

To Robert Craig & Son: On six vases carnations, six varieties.



Central Display of Wm. Graham Co. at the Philadelphia Exhibition.

if such a rule as the one just mentioned should only be used in case a person wished to stage a collection of plants or something which would take up a lot of room, and not on the other hand turn a man down who has a bunch of violets or a few vases of carnations to exhibit. It does more harm to have such a rule than it does good, especially when there isn't any one man who has the power to make an exception to the rule or in other words has the privilege of using his own judgment in the case. H. S. W.

FORT SMITH, ARK.

The Fort Smith chrysanthemum show was a most pronounced success, for which many thanks are due to the trade exhibitors from a distance. California was represented by C. E. Needham, who sent the California pepper tree, the red berries and fern-like foliage of which are very enduring. Wild smilax was supplied by Caldwell the Woodsman. Over 1,500 chrysanthemum blooms were represented, by growers many of whom have a national reputation. Most of the stock arrived in fine shape and the judges had a difficult task.

For twenty-five blooms, not less than five of a kind, N. Smith & Son, Adrian, Mich., were first. Honorable mention was made of the exhibits of H. W. Buckbee, Rockford, Ill.; E. G. Hill Co., Richmond, Ind.; J. H. Morton, Clarksville, Tenn., and Vaughan's Greenhouses.

J. H. Morton was first on white variety, with Mrs. H. Robinson. H. W. Buckbee received honorable mention.

The Muskogee Carnation Co. was first on yellow, with Appleton, honorable mention being made of the exhibits of H. W. Buckbee, J. H. Morton and the Memphis Floral Co.

The best novelties were those of H. W. Buckbee but honorable mention was given J. H. Morton, who also had the best single-stemmed plants. Samuel Murray, Kansas City, showed the best bush plants, J. H. Morton second. For best pink the first premium went to E. G. Hill Co., Richmond, Ind.

On roses, the premium for Beauties

was divided between J. H. Morton and the Idlewild Greenhouses of Memphis, the latter being first on Kaiserin.

The first prize for a novelty in carnations was given to J. H. Morton and first in the general class to the Thompson Carnation Co., Joliet, Ill.

Among exhibitors not competing were C. Young & Sons Co., St. Louis; J. W. Vestal & Son, Little Rock; Wm. Weaver, So. McAllister, I. T.; A. A. Pantet & Co., Fort Smith; Miss Lila Rollston, Fayetteville, and many others. Reasoner Bros., Oneco, Fla.; P. J. Berckmans Co., Augusta, Ga., and I. H. Krone made fine displays of plants. The show will be an annual affair.

POUGHKEEPSIE, N. Y.

The Dutchess County Horticultural Society held its annual show, opening November 11, with a very fine display. The arrangement was particularly noteworthy. W. G. Saltford was the principal exhibitor. Others were C. F. Dieterich, Winthrop Sargent, F. R. Newbold, Archibald Rogers, Ogden Mills, W. D. Sloane, D.

S. Lamont, W. J. Seeley, A. E. Jenkins, L. P. Morton, J. D. Wing, C. J. Reynolds, G. H. Howarth, Lyon & Strickland, Stanton Rockefeller, W. B. Willig, G. N. Miller and others.

BALTIMORE.

The Gardeners' Club gave a very successful show November 9 at the Royal Arcanum rooms. The awards follow:

Richard Vincent, Jr., first for sixty-five varieties of pompons.

Henry Fisher, special for mixed collection of chrysanthemums, also special for seedling carnations.

Gustav Lotz, first for pink chrysanthemums; second for yellow rose, chrysanthemums and special for seedling chrysanthemums.

Weber & Sons, of Oakland, first for Prosperity carnations, first for Eucharis and Adonis carnations, second for vase chrysanthemums.

Frederick Burger, first for basket and wreath of chrysanthemums and Bride roses.

Robert L. Graham, first for basket of American Beauty roses and lilies of the valley.

H. Rhinehart, second for white chrysanthemums.

William Madsen, second for Bride roses; second for Bridesmaid roses; first for Golden Gate roses.

Ruxton Floral Company, second for pink chrysanthemums.

Halliday Bros., first for decorative plants.

John McCormick, special for seedling carnations.

E. C. Bauer, first for violets.

I. H. Moss, second for decorative plants; special for vase carnations.

James A. Gary, first for collection of Bridesmaid, Bride, Golden Gate and American Beauty roses; first for pink chrysanthemums; first for yellow vase chrysanthemums; first for Eaton chrysanthemums; first for collection of mixed chrysanthemums.

Lehr Bros., first for yellow chrysanthemums; second for pink chrysanthemums; second for collection of mixed chrysanthemums.

Charles R. Diffenderfer, first for collection of thirty-five varieties of chrysanthemums; second for Colonel Appleton; first for vase of bronze chrysanthemums; special for white seedlings; first for standard and single-stem chrysanthemums; first for bush plants.

Stevenson Bros., first for Lawson carnations; first for Bride and Bridesmaid roses; first for Perle roses.

CANANDAIGUA, N. Y.

The first annual exhibition of the Canandaigua Florists' and Gardeners' Society was held November 5 and 6. As a show of blooms I might say it was a decided success, and a better arrangement of the plants and cut blooms is seldom seen, which was largely due to the directions of Robert E. Ballantyne, gardener to Mrs. F. F. Thompson. Mr. Ballantyne staged a group of foliage plants and pot chrysanthemums covering a space of at least 250 feet that I have never seen equaled. The officiating judge was Mr. Ballantyne, Sr., of New York city, and his decisions met with the approval of all.

Alex. Ogilvie was the only exhibitor in the



Group of Foliage Plants at the Philadelphia Show.

class for a group of chrysanthemums in pots occupying a space of fifty square feet. Joseph Jones was first for a group of palms and foliage plants. R. H. McKerr staged a very fine lot of palms and ferns not for competition.

Joseph Jones was first for best specimen palm, Alex Ogilvie second. Alex Ogilvie was first for adiantum, for three plants suitable for table decorations, also for three best ferns, Duncan Rhind second. Mr. Rhind was first for twelve plants grown to single stem, Alex Ogilvie second. For twenty-four blooms, four varieties, J. B. Keller Sons, Rochester, were first. Twenty blooms, distinct varieties, Duncan Rhind first, Alex Ogilvie second. Six blooms white, Duncan Rhind first, J. B. Keller Sons second. Six yellow, Rhind first, Ogilvie second. Six pink, Joseph Jones first, Ogilvie second. Six crimson, Ogilvie first, Jones second. Most effective vase of twenty-five blooms, Ogilvie first, R. H. McKerr second. A special prize of \$10 was given for the best six American Beauty roses, which brought out keen competition, R. H. McKerr winning. Twelve Bridesmaids, McKerr first, Keller Sons second, Twelve Brides, McKerr first, Keller Sons second. Twelve best roses in the show, R. H. McKerr first. Thirty-six carnations, six varieties, McKerr first. Eighteen blooms, three varieties, McKerr first, Rhind second. Twelve white, McKerr first, Jones second. Twelve scarlet, McKerr first, Ogilvie second. Twelve cerise, McKerr first, Jones second. Twelve pink, McKerr first, Jones second. Twelve crimson, McKerr first, Rhind second. Best seedling, Rhind second. Fifty violets, double, Jones first, McKerr second. Floral design, Rhind first, McKerr second. Centerpiece Rhind first, McKerr second. Hand bouquet, McKerr first, Rhind second.

A finer collection of fruit and vegetables was never seen in Canandaigua.

I forgot to mention that Chas. H. Totty, of Madison, N. J., sent some of his novelties in chrysanthemums, such varieties as William Duckham, F. A. Cobbold, Leila Filkins and others, which were a revelation to all those who saw them.

R. H. M.

ST. PAUL.

The second annual chrysanthemum exhibition by the Ladies' Auxiliary to the Northwestern Manufacturers' Association was held in Mozart hall, St. Paul, November 10 to 13. The quality of the exhibits surpassed those of a year ago but the show as a whole was not as pretty, the chief reason for this being the lack of room to properly display the entries. The programme was planned to judge

very detrimental to the judging. However, the show as a whole was successful, the greatest regret being the lack of room.

E. F. Lemke had a good general display, making entries in nearly all classes. His 'mum design was an eagle with outstretched wings poised upon a globe, all made of white blooms. A star of carnations received great praise. His prize winning Timothy Eatons were a revelation to many, measuring eight inches or more in diameter. In violets he easily won first honors.

Vogt Bros. had a creditable exhibit. They won several firsts and a number of seconds. Their display was not as large as the others, but was generally admired as much.

L. L. May & Co. had the largest collection in the hall, making entries in nearly all classes. In 'mum plants they easily lead all others, winning the majority of firsts in these classes. Their anemone-flowered varieties were particularly admired and will most likely be more largely grown another season. They showed a star of white 'mums about five feet across, with an eagle with outstretched wings depicted on the same in yellow 'mums. A large basket of Bridesmaid roses was nicely arranged. They showed a large number of carnations, many more than the entries called for.

Holm & Olson won more first prizes than any one. Their display was large and handsome, their prize winning standard 'mums from Chicago being especially admired. These were fully four feet high by eight or ten in circumference, each plant bearing as many as 200 flowers. The vase of Mme. Chatenay roses was especially good. In design they made a large, waving American flag, on the field of which an eagle stood. The stripes were made of white and red carnations while the stars were in white 'mums on a field of blue ageratum. Another design, their prize winner, was a cornucopia of

first prize and the admiration of all who saw it. A large panel picture of a vase of 'mums occupied a prominent position in the exhibit. The frame was in yellow, the background white, from which stood out in bold relief a vase of delicate pink filled with dark red, the whole contrasting very beautifully. Another tasty design was a basket of Chatenay roses and valley standing on a spread or covering of roses, making a very unique combination.

The show was not well advertised and only fairly well patronized. It was made a society event, with tea and punch rooms in connection.

On Friday night the florists donated their exhibition blooms to the management, and they were sold at auction, realizing about \$40. Some of the flowers were in good shape, but sold at a ridiculous price, way below value. Others were very poor, but brought good prices.

CHRYSANTHEMUM DISEASES.

The following are the most important portions of the address of Prof. Geo. E. Stone, of the Hatch Experiment Station, before the Chrysanthemum Society of America at the New York meeting November 11:

The diseases to which chrysanthemums are subject are not especially numerous and, on the whole, the crop must be considered a tolerably clean one to grow. Among those diseases which are more or less common may be mentioned the following:

Powdery Mildew.

Mildew frequently shows itself to a slight extent on the lower and more mature leaves of the chrysanthemum. It is of little consequence, however, to the careful grower. The mildew is similar in appearance to that found on roses and can, no doubt, if necessary, be checked by the same means, namely, the application of sulphur.

Rust.

Most growers are familiar with the chrysanthemum rust, although I have no doubt some of you have had no personal experience with it. The rust occurs as small blisters, usually on the underside of the leaves. These blisters eventually break open, thus exposing a brownish, powdery mass. This powdery substance constitutes uredospores, which are the only spores known to be produced by this fungus in this country.

The first appearance of the chrysanthemum rust in America, so far as known, occurred in Massachusetts during the fall of 1896, on which occasion it was discovered doing considerable damage to the plants of George H. Hastings, of Fitchburg. This outbreak appears to have been the only one recognized that year. The next year, however, the rust became much more widely distributed and since that time it has spread over a considerable portion of the United States, and some growers have experienced quite a little difficulty from it. It appears to have occurred in England in 1895, and on the continent two years later, where it became rather common. The first two or three years of the outbreak, in this country, proved the worst, and at present little is heard from the rust in the east, especially from our largest and most efficient growers. Its disappearance appears to be due to two causes; namely, the discovery and application of cultural methods which render rust infection less

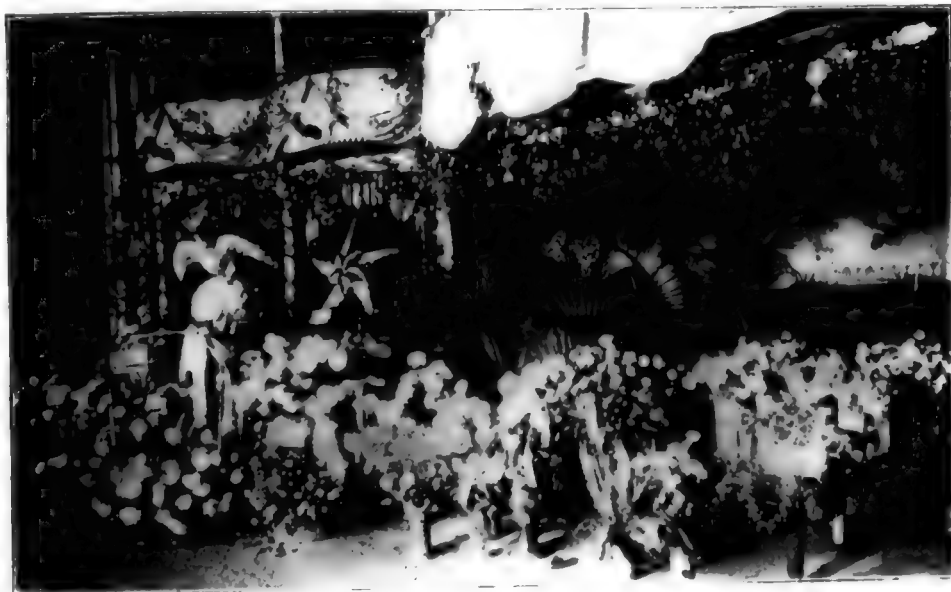


Exhibit of E. F. Lemke at the St. Paul Show.

chrysanthemum plants and blooms the first day, roses the second day, carnations and violets the third, and designs and baskets the fourth. It was also intended to display the cut flowers and designs in a separate room from the plants. But all these plans were changed at almost the last minute, and all exhibits were placed in one room and all judging done the same day. This prevented one exhibitor from competing at all and was

'mums on a scroll of the same flowers. A large specimen plant of Pandanus Sanderi took first prize in its class. Piersoni fern easily captured first place.

Aug. S. Swanson made one of the handsomest exhibits in the hall, the leading features of which were his palms and ferns and his designs, all of which captured prizes. A basket of orchids, consisting of dendrobiums, vandaeas, phalaenopsis, cypripedium and cattleyas captured



A. S. Swanson's Exhibit at the St. Paul Show.

common, and the limitation of the fungus to a single stage (uredo) of existence. Prof. Arthur, of the Lafayette Experiment Station, has pointed out that the latter feature is at least somewhat responsible for its decline. Upon this point Prof. Arthur writes as follows:

"Another circumstance much in the cultivator's favor is the propagation of the disease without the formation of the customary teleuto spores, or third stage. Not only does this render the disease far less persistent, but without doubt indicates that it is less vigorous in its attacks. In general, when a rust is confined to the uredo forms for a number of generations, its vitality is much reduced, and also its power of injuring the crop. So long as the teleuto spores do not make an appearance in this country, the careful cultivator may feel assured that a moderate amount of timely effort will enable him to rid his establishment of the rust."

That cultural methods have also had a great deal to do with the disappearance of the rust is evident from the fact that our most skillful growers of chrysanthemums have never had it but one or two years, and some not at all, while less skillful, and less painstaking growers have been more or less subject to it every year. From the first, we have never apprehended any very serious trouble from the rust because we believed that some cultural method could be devised that would render it less troublesome.

About four years after the rust had made its appearance in our state, we sent out a number of circulars to chrysanthemum growers requesting information upon various points. The answers given to this circular showed that the rust was more widely distributed and most destructive the second year following its arrival, and from that time it decreased in vigor and abundance. One-third of the growers stated that they never had the rust on their plants, and were familiar with it only as they had seen it on other stock, while others had only experienced a slight infection one year. One florist who cultivates 40,000 plants, states that he has not had the rust since 1898, and at that time he had it only to a very slight extent. The amount of infection which has been prevalent varied from one per

cent to fifty per cent, the latter figure being exceptionally high, for very few have had even twenty-five per cent as a maximum amount of infection.

The financial damage is by no means proportional to the amount of infection, and in most instances it amounts to nothing.

Most gardeners agree that weak stock is the most susceptible to rust; and if weak, infected plants are allowed to remain in close proximity to strong, healthy ones, the latter will subsequently become infected. The method of preventing rust consists in handpicking the affected leaves, selecting clean, strong stock, discarding susceptible varieties, and inside culture. If these suggestions are carried out the rust can be practically eliminated.

In regard to inside culture during the summer, we find that many excellent growers lay much stress on this practice, and from our observations we consider it very essential in order to obtain plants free from rust. The reason that inside culture results in less infection is due to the avoidance of mists and dews on the foliage, hence furnishing less favorable opportunity for rust spores to germinate and cause infection. Care should also be taken to keep all unnecessary water off the foliage in cultivation in the greenhouse.

Most growers agree that the chrysanthemum rust is of little consequence, and others look upon it as a thing of the past. There are a few, however, who have not succeeded in subduing it, and who still think it a serious disease. Some have resorted to spraying, with results that amount to little more than partial suppression. It appears from our own observations, as well as from those obtained from the most successful growers of this plant, that the proper remedy lies in the judicious selection of healthy, rust-free stock, and inside cultivation. Give the plants plenty of air and keep the soil in good physical condition. If, however, any of the leaves become infected, they should be removed and burned immediately; and if a plant is badly affected, it should be destroyed. In whatever manner the plants are cultivated, whether indoors or out, endeavor to keep the dew and moisture off the foliage as much as possible.

Stem-Rot.

More or less trouble from stem-rot has been experienced by chrysanthemum growers in the last few years, and it is considered by some as a serious trouble. It is characterized by a slow fading and withering of the leaves, beginning toward the bottom and gradually working up the stem. The flower develops poorly or not at all, and the whole plant finally dies prematurely. The cause of the disease is a fungus which grows in the stem and fills up the large ducts or vessels through which the water must pass in coming up from the roots. The fungus giving rise to this trouble is a species of fusarium, similar forms of which cause like diseases in other species, and there can be but little doubt that the plant is first attacked from the soil, whence the fungus spreads into the stem and on up through it to a considerable height. As the pores become more and more clogged with the fungous threads, the water supply to the leaves is diminished, and consequently they gradually wither away and die. It is noticeable that this disease appears most commonly as a result of conditions favoring damping off. Where young plants are crowded in flats or beds, those in the center are generally the ones to show the trouble. This is likewise true with the other diseases of this class, and such conditions should be avoided. The soil is to be looked upon as the chief source of infection in all such troubles. There is little danger of contagion in well-rooted plants by spores in the air, as with rusts, mildew and similar diseases. Healthy propagating stock, fresh soil, avoidance of over-crowding to prevent damping off, and hygienic conditions, are the most effectual means of controlling this trouble.

Other fungous diseases of chrysanthemums have been noted, particularly the anthracnose and two-leaf spots, but we have had no experience with them. They are foliage diseases and in some instances they have been reported as threatening. Where too close planting occurs, causing a deficiency in light and air, there is not infrequently a loss of foliage, especially of the lower leaves, and fungi occasionally found on such leaves appear to be mostly of secondary importance.

In conclusion, we will state that the combating of diseases characteristic of greenhouse crops should be as a rule, along cultural lines rather than other methods of treatment, and we have faith enough in the skill and knowledge of our American florists to believe that they will, by this means, be able to master in time all difficulties which may occur.

IMPRESSIONS OF INDIANAPOLIS.

The chrysanthemum show held during the past week at Tomilson hall, Indianapolis, took us all by surprise and many were the complimentary remarks of the numerous visitors. I shall not attempt, however, to dwell upon the various features of the show, nor do I wish to speak about the individual exhibitors and their most meritorious exhibits, leaving that part to your able correspondent. To me the general impression of the show seems worthy of note. And right here I can scarcely refrain from paying my compliments to the Bertermanns, both father and son, whose untiring efforts, able management and executive ability were responsible for the marvelous success achieved.

What has impressed us all is the fact of the process of the management (if I

may thus put it) being in no wise thrust upon the public. We well know that an affair of this sort required constant care and vigilance; we realized that unless the show was managed ably, "first, last and all the time," no such results as were achieved here, were possible, and yet, to quote Mr. Rudd's apt remark, "the symptoms of management were invisible." Everything seemed to work with clock-like regularity, such things as oversight and confusion being conspicuous by their absence.

The decoration of the hall and the brilliant varicolored electric illuminations proved a revelation to many. Here the artistic propensities of Ed. Bertermann seemed to have had full sway and to his credit be it said that nothing short of the finest decoration for an affair of this sort was attempted. Nor can I overlook the fact of the good work done by the Indiana florists in general, of both Indianapolis and other towns. It seemed to me that enthusiasm and a determination to contribute to the success of the show for its own sake, rather than for pecuniary interests, actuated them in their work.

And what a magnificent display of chrysanthemums, roses and carnations! Verily, Madam Flora is neither dormant nor stagnant, but is progressing in a manner that is simply wonderful. What had seemed the acme of perfection a year or two ago must yield to the aspirants of this season and what is perfect today will in all likelihood be relegated to a back seat tomorrow. Thus the world moveth along and the florists, bent on success, do likewise.

The splendid rose seedlings shown there not only look promising, but some of them have more than fulfilled their promise. The Breitmeyer rose, which we hope will soon be given a name well worthy of it, is decidedly a great acquisition. The E. G. Hill Co. has several surprises in store, some of which seem destined to make their mark.

In chrysanthemums there were magnificent specimens, which will soon be heard from.

And how royally we were entertained at the banquet. Taken all in all, the Indianapolis chrysanthemum show proved an all around success, being one of the finest ever given in any city. S. S. S.

colder weather, when I hope to say something about its blooming and keeping qualities, size, form, etc., properties which at the present time cannot be discussed with justice to what promises to be an advance in its color.

Richmond Gem.

I have also six plants of Richmond Gem (the B. K. and B. Floral Co.'s new scarlet). Since benching the plants have made rapid growth and bloomed early. Everyone is taken with the color, which is of the richest shade imaginable. The size of bloom will not place it in the exhibition class, but thus far flowers have averaged two and one-half inches. Its earliness will commend it to those who have been obliged to discard Crane.

GEO. S. OSBORN.

CAUSE OF SHORT STEMS.

Please tell me what to do to make my carnation stems long. The plants have lots of buds, but the stems are very short. I syringe about twice a month, when the weather is bright, and I don't let them get very dry before watering. I try to give all the air I can. J. J.

Your question sounds like a very simple one, but you do not give enough data to work out a very satisfactory answer, I fear. There are many reasons why your carnations might make a lot of short stems at this time, and possibly I may mention in this letter the one that really was the cause in your case. I do not know what varieties you are growing; perhaps you are growing such varieties as Mrs. Lawson, Mrs. Bradt and Glacier, and it would only be natural for the stems to be rather short as yet. How early did you plant them in the houses? If you did not plant until as late as September you cannot reasonably expect very long stems from most varieties. Did your plants take hold when you planted them? If they suffered very much they would not make as long stems on the first crop of blooms as they would in case they suffered but little. Perhaps your soil is not rich enough to produce a strong, luxuriant growth, and of course that would tell on your stems, too.

To get long stems as well as fine blooms at this time of the year it is essential that you plant early, in good soil and see that your plants do not suffer much from the transplanting. The first of September should see your planting all done. Of course varieties differ in the length of stem they produce, and you will also find that a very large, bushy plant will usually throw shorter stems the first crop than a medium sized plant will. The reason is obvious. The large number of shoots drawing upon a crippled root system fail to get enough nourishment for so many shoots to grow to their full size, and again the larger plants usually suffer more from transplanting and take longer to fully recover, while all this time the shoots are making a feeble effort to grow. If you have ever tried the indoor culture you will know that the plants that were grown inside all summer will make longer stems than those from the field up to about January 1. In my notes earlier in the season you will find my reason for advocating early planting, and I will not enlarge upon the advantages of it now, although I have an idea that that is where you made your mistake.

A. F. J. BAUR.



CARNATION NOTES—EAST.

General Behavior.

Notwithstanding unsuitable weather conditions of the past summer which in many instances caused more or less loss of plants to the grower, the supply of bloom is unusually large for this time of year. The warm weather of this fall has worked wonders among plants which at housing time were considered doubtful, and if you have practiced judicious topping and given general good treatment, Thanksgiving will see the carnation in better demand and giving its accustomed returns.

From the fact that trouble through stem-rot in the field was so widespread, it would seem that indications point to weather conditions as contributing largely to the development of this disease, rather than system of planting and cultivating, that is whether planted moderately close or widely apart on a level or on ridges and cultivated either by hand or horse.

I have always advocated and practiced planting moderately close (six to eight inches in the row and rows twelve to eighteen inches apart) cultivating with wheel and hand hoes. Close investigation and repeated inquiries in this section during the past two months fail to show stem-rot to have been any more prevalent with growers planting closely than in rows far apart, either before or since housing, and in consequence I am more strongly convinced that moderately close planting with its necessary attendant cultivation is preferable on account of advantages gained over cultivation by horses in widely separated rows. A great deal of blame is laid to the cutting bench

when as a matter of fact the cutting before it is rooted may be at fault.

It is an easy matter to correct a faulty bench or refrain from using one designed for other plants, but a cutting from an unhealthy plant is quite sure to inherit the same disease and very likely to contaminate the sand and other cuttings around it; while on the cutting bench, did it ever occur to you that possibly the low price at which rooted cuttings of some varieties are offered had something to do with the cause of disease? There can certainly be no care exercised in selection, and from what I have seen, of some shipments of cuttings, I am led to the following definition which may shed some light on the subject of disease and perchance point out the danger in buying too cheaply.

Whosoever shall indiscriminately remove in any manner from any part of a plant, healthy or otherwise, a certain portion of said plant the length or condition of said portion making no material difference and when removed the same being inserted in sand and treated in such a manner that in the shortest possible space of time a root or roots shall begin to form, then shall the result be known as a rooted cutting.

Indianapolis.

Last spring Messrs. Baur & Smith sent me a few plants of their new seedling, Indianapolis, with the request that I give them a fair trial, and report their behavior. Weather conditions compelled us to house when comparatively small, but we planted them in heavy soil and judging from their growth, they seem to like our treatment. It is early to judge the merits of any variety, but even at this date, I can say the stem and calyx are the acme of perfection. The color is good and will probably improve with

ROSES.

Seasonable Hints.

As the season for propagating approaches every preparation should be made so that nothing may be wanting to ensure complete success. The piping in the propagating house should be looked over, tested and any defects made good. The benches should be overhauled and put into good repair, so that no accident may occur after the cuttings are in. Ventilators should be readjusted and put into good working order and a liberal supply of sand or other propagating medium secured. Having all these requisites, materially facilitates the real work of propagating. The stock should now be looked over and all the mixtures prominently tagged so that the mixture may not be perpetuated.

In houses containing Brides or Bridesmaids, if the varieties chance to get mixed, it is impossible to distinguish them unless they are in bloom, they so closely resemble each other in habit and foliage, so that if we want them true to name we must label them when they are in bloom. All young stock should be true to name so that we may know exactly what we are planting and if we have surplus stock for sale how much more satisfactory to both buyer and seller if this is the case.

Such varieties as are wanted for summer blooming should be propagated now. There is usually an abundance of good propagating wood at this season, which roots easily, and if handled properly will make nice thrifty plants for benching in February, which will give them ample time to get into flowering condition by Memorial day.

The soil for this planting should now be under cover so that it may be in good condition at that time and so give the young stock a fair chance to start well. If the soil is left outside it has every chance to be too wet at that season and if in that condition the young stock will get a check from which it takes them a long time to recover, checking their vigor and curtailing the growing season.

Kaiserin, Golden Gate, Ivory, Liberty and Chatenay are among the best varieties for this purpose, Ivory being really the finest of all the summer blooming whites, keeping up size and purity of color even during the hottest spells.

RIBES.

COVENT GARDEN MARKET.

It is usual to hear growers complain of dull trade, but we think that during the past few weeks the "grumble" has been quite justified, says the Gardeners' Chronicle, London. At closing time a few mornings ago many of the stands were still filled with pot plants, and cut flowers were as plentiful. Among pot plants chrysanthemums were those most in demand. It is remarkable that really good stuff should be confined to so few stands. One grower, who does Soleil d'Octobre well, was making from 2s 6d to 3s 6d each for his best plants; 12s to 18s per dozen for useful plants appeared to be the average prices; of course there was a good deal of ordinary stuff sold at considerably less.

Begonia Gloire de Lorraine on several stands, some of the finest plants I have ever seen, were making 18s per dozen; but it is yet too early for this to go freely; 8s to 10s per dozen was asked for good plants in 48's, but there were a good many remaining unsold. Of heaths, gra-

cilis is the only variety yet in in quantity. Cyclamen and primulas are coming in, but they do not appear to be much in demand. The same may be said of bouvardias and marguerites. There will be little improvement in the plant trade until frost has cleared off outdoor flowers.

In cut flowers chrysanthemums are the most conspicuous, and there has been a fair trade for these; the blooms of middle size command the greatest amount of attention. The early varieties that were disbudded made good prices. One grower, Mr. Shawyer, who has been sending about 300 blooms to market daily, tells me that they have made from 1s to 2s 6d per dozen blooms. I may mention that these were chiefly new varieties of his own raising. Elaine is still a favorite with the growers for market, and though generally coming in later, some good blooms have already been on sale. Goacher's Crimson seems likely to take the first place in its class; and Horace Martin is one of the best of the yellows.

A. HEMSLEY.

A WESTERN GARDENER'S NOTES.

II.

Continuing my travels as recounted in my recent notes, I visited Fairmount park, Philadelphia, where the grounds are extensive and the Horticultural hall immense. They have many grand old plants, which, however, show a lack of care. Mr. Smith, the foreman, has but eight men for outside and inside work, while, in my opinion, he should have that many for the inside alone.

P. A. B. Widener, of Ogontz, has a large range of glass and grows everything for home use. One house is devoted to orchids and several to chrysanthemums. Two small Italian gardens near his residence are filled with palms, bay trees, etc.

The commercial establishment of H. A. Dreer, Riverton, N. J., is devoted for the most part to palms, stove plants and azaleas. The palms vary in size from those in 2-inch pots to those requiring tubs. They also have a fine assortment of water lilies, worthy a visit from anyone who is interested in their growth. Mr. Eisele, the manager, extended me every possible courtesy.

The beds of fine crotons and fancy-leaved caladiums at Girard College, which I had the privilege of seeing under the guidance of Superintendent Huster, proved very interesting.

At South Orange, N. J., I found Mr. Manda and Mr. Macrorie very busy housing their plants in the newly completed buildings. After dining with Mr. Manda we walked through his beautiful grounds. He carries a fine line of nursery stock and is doing much landscape work. In all his houses he suspends orchids from the roof, between the other plants. He is certainly a champion in growing Dendrobium Wardianum. Although it was raining heavily, Mr. Manda drove with me to the home of H. Graves, whose gardener, Mr. Thomas, makes a specialty of orchids. Several houses of these beautiful flowers bear evidence of scientific care.

Messrs. Lager & Hurrell received me very kindly at their place in Summit, N. J., and showed me through what seems to be a model orchid growing establishment. Their plants are all healthy and are made up of cattleyas and every other leading variety. Some very scarce varieties are also to be found there.

At Madison, N. J., I had the pleasure of meeting Mr. Herrington, superintendent of the Twombly place, and of taking dinner with him. He grows grapes, chrysanthemums and orchids for sale, and has some four or five houses in cattleyas. The latter are in baskets attached to the roof. In the middle of each house is a rail running from end to end; from this rail and on wheels is a sort of step-ladder which the men can move from place to place while watering the plants. One large house is devoted to cypripediums and another to chrysanthemums. Mr. Herrington has a new yellow carnation, not yet named, which will be a standard. There are two houses for Adiantum Farleyense; his specimen azaleas are from six to eight feet in diameter, with stems as thick as one's arm. Rare conifers, Cedrus japonica, and the finest bay trees in the world are seen here. The landscape at the home of Mr. Twombly is wonderful, the house is exceptionally fine and the view over the valley charming.

Mr. Duckham showed me the premises of D. Willis James, for whom he is gardener. They have orchids in all varieties, stove plants, new crotons and grapes in fine condition, and Mr. Duckham has a beautiful pink chrysanthemum which will come out under his name.

Julius Roehrs, of Rutherford, N. J., has twenty-six houses in orchids. I found him very busy because of the floods that had filled his cellars. Mr. Roehrs has been doing some experimenting with Belgian leaf mold. He told me that with Dendrobium Phalaenopsis in fern roots he had no success, but that those now in leaf mold are exceptionally fine. I can see no advantage in the use of leaf mold with cattleyas. While here I saw two houses of Ardisia crenulata that have reached a degree of perfection not to be surpassed here or abroad.

Mr. Schlegel, Bay Ridge, Brooklyn, has a collection of cattleyas which his gardener claims to be the largest in the country. His several houses of plants are in splendid condition. One house is filled with all kinds of phalaenopsis. All of his flowers are for market. The estate of Hicks Arnold, 84 Central Park, New York, has the finest lot of cypripediums that I have ever seen.

The Bronx Botanical Garden has a fine range of glass, and the plants are fair. A good start has been given them, and with continual care this should become one of the finest botanical gardens in the country. They have here a very fine museum with microscopes for the use of students.

Lenox, Mass., presents the finest landscape planting and scenery with hill surroundings that I saw while away. I visited several places, among them that of Mrs. Westinghouse, Mr. Norman, gardener. She has two houses of cypripediums. Her place is like Versailles, with fountains, etc., and an attractive drive, as hard as rock, through an avenue of pine trees. At Mr. Cook's place, Mr. Thompson, gardener, they have some choice orchids and cut flowers, and grow fine peaches under glass. The piazza of the mansion is beautifully decorated with palms and flowering plants, for which an immense reserve supply is always under cultivation. With two symmetrical Italian gardens, about 100 bay trees in all shapes, and carpet beds here and there, the place must present a beautiful scene in season. The large number of greenhouses belonging to J. Sloan were shown me by Mr. Loveless, the gar-

dener. One of these houses is devoted to orchids. They grow some very fine peaches under glass. I was also shown very courteously through the thirty houses belonging to W. D. Sloan. Mr. Herman, the gardener, told me that they grow everything that can be grown.

I visited Utica, New York, in order to see the plant belonging to Wm. Matthews, who has plants of all the leading orchids, representing what was probably once a very large collection. He grows carnations to perfection, and does some rose growing also.

CHAS. GEBHARDT.

NEW YORK.

Meeting of the C. S. A.

Last week's meeting of the C. S. A. was held in an improvised room in the great hall, where over fifty members enjoyed the addresses of the president and experts, and enthusiastically demanded the re-election of Arthur Herrington, a fitting tribute to the unceasing energy he has displayed in behalf of the society throughout the year. All the other officers were re-elected, except the vice-president, this honor falling upon Elmer D. Smith, whose magnificent gift of the chrysanthemum records was unanimously accorded the hearty thanks of the members. The president's address was an interesting and practical effort, and was well received. Secretary Lemon's report included particulars as to the records showing among the 2,500 varieties of 'mums, 1,358 American varieties, 1,029 importations distributed in this country, thirty-three synonyms and eighty-two sports. These will be fully incorporated in the published records of the society's convention.

Prof. Geo. E. Stone, of Hatch Experiment Station, read his essay on "The Diseases of the Chrysanthemum," and was followed in the after discussion by Mr. O'Mara, Prof. Craig and others. F. W. Taylor's invitation to St. Louis next year was read and appreciated, but the general desire to hold the next meeting in the east was evident, and the executive committee, in whose hands the decision is placed, will doubtless agree upon either New York or Boston for 1904.

Mr. O'Mara's interesting criticisms of the 'mum exhibits and especially of the varieties Lord Salisbury and Mrs. Thirkell, were very interesting. The president's address was thoroughly discussed, Messrs. Rackham, Smith, Wood, Scott and O'Mara participating. The whole meeting was particularly harmonious. The prospects are bright for an increased interest, both in the convention and exhibition in 1904.

Notes of the Show.

The possibility of a show that will pay, and draw the crowds and encourage the expert plantmen has been fully demonstrated. Now that the ice has been broken there is no good reason why every recurring show should not see grander results than its predecessor.

The prize list gives details, but conveys no idea of the wonderful blooms shown. Never have such magnificent blooms been seen in this country, but at the head of the procession, it may safely be said, were Wm. Duckham, Dr. Englehardt and Percy Plumridge.

The flowers from W. Wells, of England were in very good condition, considering their long journey and served to

show the enterprise of this gentleman, who also sent an exhibit to the 1902 show.

Leonard Barron handled the press department well. All the daily papers gave the show much space.

The dinner Wednesday evening was given by Mr. Herrington to the visitors. Among those present were Philip Breitmeyer and Geo. A. Rackham, Detroit; Fred Lemon, Richmond; E. D. Smith, Adrian; C. W. Johnson, Rockford; Judge Vesey, Fort Wayne; J. R. Fotheringham, Tarrytown; Elija Wood, Messrs. O'Mara, Totty, Troy, Lager, May, Weathered, Maynard, Manda and others most of whom had something to say complimentary to the show and the man to whose efforts the success was largely due.

Among the best carnations were Flamingo, White Lawson, Mrs. Patten, Albattross, Bride, Lawson and Enchantress.

Pierson's 100 Beauties, not for competition, were a grand lot and were at their best the closing day.

H. T. Clinkaberry's twenty-five varieties of cypripediums attracted much attention.

The seventeen large plants in H. W. Buckbee's exhibit were presented to the American Institute and his cut blooms sent to the hospitals.

M. A. Bowe has made the first prize offer for the show of 1904, a silver cup, value \$50, for the best vase of 100 'mums, not less than ten varieties, to be won two years in succession to become the property of the exhibitor.

John Scott's new fern was complimented by everyone. It is certainly a splendid addition to the Boston family.

Roehr's great bank of palms and flowering plants was a most beautiful group, artistically arranged.

The enterprise of such men as Buckbee, Smith & Son and the E. G. Hill Co. cannot be too highly commended. Their exhibits were greatly appreciated by the management.

The Market.

Society will be in evidence all this week for the great annual horse show is on and orchids and violets will now have their day. May be this week will inaugurate the cold weather, the end of the long depression in the market, and the beginning of better times. Let us pray for so desirable a consummation.

The quality of the violets now reaching the market is unexcelled. Shipments to many of the leading wholesalers aggregate 20,000 daily, and are constantly increasing. The price for specials, in bunches of 100, all perfect flowers, is \$1.50. Orchids are held at higher prices again, and valley also has touched \$4 per 100 for the best. It looks as though the tide was coming in.

Various Notes.

The "Father of Greater New York," Andrew H. Green, was murdered by an insane negro on Saturday. His record includes the laying out of Central park, the planning of the great boulevard system, and of Morningside and Riverside parks, the latter for location one of the most beautiful in the world, and Niagara park at the Falls. Mr. Green was 83 years of age, and one of New York's grandest citizens. A great public monument will be erected to his memory.

Geo. Cotton, a member of the New York Florists' Club and one of the old-time gardeners, with a host of friends, is

suffering from pleuro-pneumonia at the hospital in Yonkers, and is not expected to recover.

The exhibit of cacti, 350 varieties, at the flower show, by F. Wienberg, attracted much attention. Some of the specimens were "fearfully and wonderfully made."

Congratulations are due the popular Scotchman, John Burnie, on rounding his half century. He looks "vera weel" and like lasting another fifty years.

The ducal wedding of last week depended for its decorations at the house on Small & Sons, and at the church on Thorley. An error in my last attributed these to Hodgson.

The Ozone Nurseries, of Ozone Park, L. I., are elated over the rapid development of their business, and the exceptionally large fall trade. Their importations of forcing azaleas, rhododendrons, deutzia and roses are immense, and everything indicates a progressive, experienced and ambitious firm that has "come to stay."

Bradshaw & Hartman's holly for Thanksgiving will be ready for delivery next Monday. J. AUSTIN SHAW.

PHILADELPHIA.

The Market.

There is no improvement in the cut flower market. Quite a little business is going on, with entirely too much stuff in the market. Prices are weak and no fair offer is refused. A few rare and choice blossoms are in demand. S. S. Pennock filled some nice orders this week for white orchids, using Dendrobium formosum, and white violets. Eugene Bernheimer had some fancy mignonette and C. A. Dunn & Co. some wonderfully fine heliotrope that brought high prices. But these were the oases in the desert, so to speak, the fakirs having a glad-some time last Saturday, which was kept up during the early part of the week.

Indications point to a heavy cut of chrysanthemums on Thanksgiving. Still this is a big market. Let us hope that by the time these notes appear the glut will be over for the present.

Notes.

George Carpenter, of West Philadelphia, is sending in some fine Maud Dean chrysanthemums to William J. Baker.

Pennock Bros. are receiving the new rose, Ideal, daily from Jacob Becker.

Charles Fox has his windows handsomely decorated with yellow chrysanthemums in pots, backed by Cibotium Schiedeii, a most effective decorative fern.

The Flower Market is getting some splendid double violets from Johnson, of Hightstown, N. J.

R. H. Meehan, the well known rose grower, now of Anacostia, D. C., was among the many visitors last week.

John C. Gracey has his new store arranged with great taste. The opportunities for display have been improved in many ways. Bowls on stands, jardinières and colored glassware are freely used to set off his stock.

Edward Reid says he "was for the REVIEW when it was as much as a man's life was worth."

J. J. Habermehl's Sons have a nice batch of Stevia serrata in pots, dwarf and compact.

J. William Colflesh is looked upon as one of our most reliable growers. His re-

election to the treasurership of the Florists' Club is a well deserved compliment.

Eugene Bernheimer is receiving some natural cypress leaves, rather a rarity in these days of prepared stock.

Samuel S. Pennock received the REVIEW's Convention number when in London. He was much pleased with it, adding that it was the only trade paper that reached him while abroad.

A chrysanthemum show has been open for the past two weeks in the east wing of Horticultural Hall in Fairmont park. It has been greatly enjoyed by large numbers of visitors, who throng the building, especially on Sundays.

Fred J. Michell says he always turns to the REVIEW's classified plant index when in need of plants. PHIL.

BOSTON.

The Market.

The month of October and the first half of November stand at the head of the advanced class in misery among the flower growing pupils of the "Hub." The difficulty roots itself at the retail end of the business. All stores report slack trade as compared with late years, at this time, and give all sorts of theories therefor, from recent depreciations in values of stocks and bonds to hard times generally. But low prices have surely been assisted by an enormous output of glass-house goods, which have for the greater part of this time been altogether too plentiful for the most optimistic view of good retail business. Good pinks at times have been none too numerous and violets were quite scarce just after the first cold snap which paralyzed the outdoor crop before the indoor article got fairly rooted. Tables of prices are without much foundation. Reliable buyers give reliable growers what both may call fair prices at all times for all or part of their goods. Irregular buyers have been getting an advantage they must partly pay for later on and the street fakirs have been getting an awful inning at their own price. It is hoped this condition is practically over. Perhaps the warm weather has hurried out the chrysanthemums so that Thanksgiving day will wipe out the remainder as was formerly the case instead of letting some remain away along till after Christmas, as is getting to be the habit. The rose men hope so, but deep thinkers on the subject predict a market full of good material this winter, a rather slim demand with consequent low prices, hard collections and tough financial propositions. May confusion be their lot.

Notes.

A few events are happening. Theo. Lieburan, so long with Rosenthal, has bought out the interests of Hambro in the firm of Hambro & Gomperts, doing such a trim little traffic in the little niche in the shade of Galvin's big store. Wax Bros. add some elegant fixtures to their store, put on rather the most elegant delivery team in the city and have a runaway with their new horse in a carry-all which lames up the back of Martin's head severely and gives all hands a good physical and mental jolt. They are not easily "jarred," either!

The stockholders of the co-operative market held their annual meeting, put in the same old board of officials, voted not to charge commission any more on sale of

goods left in their ice chests; voted to put on free delivery teams, running half-hourly in the morning to all stores, stations and express offices; voted to reconsider a last year's vote against it and go to supper in a body. Sounds like strictly a business affair, doesn't it?

The Waban Rose Conservatories held their annual exhibitory outing and banquet to invited guests who report best one of its kind in all respects and especially in display of fine roses.

Patterson, of Wollaston, opens the bulb season by sending in a few paper whites.

The bottle of grippe preventive lost in the market one day last week has not yet been found; neither have the four or five men who separately visited a secluded corner of the ice chest soon after, yet came down with that disease.

H. E.

ST. LOUIS.

The Market.

A slight improvement could be noticed in the condition of the market the past week, though there is plenty of stock and the wholesale market is still dragging somewhat. The retail business at some of the places is exceptionally quiet for this season. Some of the West End florists report that they were quite busy with receptions and weddings, and quite a bit of funeral work was reported in the South and North End.

Chrysanthemums are still very much in evidence, and some of very fancy quality, for which the wholesale men say they found very good sale. Timothy Eaton, Major Bonnaffon and Jerome Jones had the call the past week at top prices. A few nice Appleton and Mrs. Perrin also sold well. Good small Ivory are always in demand for work. Top prices on fancy chrysanthemums are \$3 per dozen, and from \$1 to \$2 for good stock.

Carnations are coming in fine and some good fancy stock was seen from Henry Baer, of Peoria, Ill., which brought \$3 per hundred. Among them were Lawson and Bradt. Other grades of ordinary sorts run from \$1 to \$2. Stock is plentiful in all varieties except good white, which always sells well.

In roses, American Beauties are selling well; that is, fancy stock, which is not over-plentiful, but there is a lot of short-stemmed stock in at present. Three dollars is asked for fancy and from that down to 75 cents per dozen on the smaller sorts. It is impossible to clean up the daily cuts at present. The best grades of Bride, Bridesmaid, Carnot, Golden Gate and Meteor run from \$5 to \$6 per hundred and from that down to job lots at \$1 per hundred.

Violets are of better quality and are coming in freely. These clean up almost every day at 50 cents per hundred for choice, with ordinary grades at 35 cents. Lily of the valley is in fair supply and the extra select stock is in very good demand at \$4 and \$5 per hundred. Some ordinary stock is selling at \$3. Bulb stock is slow in coming in. A few Paper White narcissi are in, also a few callas. Romans are looked for by the end of the week.

Club Meeting.

The Florists' Club meeting held November 12 was well attended and very interesting, it being our annual chrysanthemum exhibition. The finance commit-

tee made a very favorable report, which was accepted. Three applicants were elected to membership, Walter Hummell, Max Rotter and Vincent Gorley. Theodore Klockenkemper and John Koenig made application for membership. E. C. Buechel resigned as chairman of the hotel committee and Frank M. Ellis was appointed in his place. Communications were read from Phil Breitmeyer, Baur & Smith, Dr. Wm. Trelease and W. J. Stewart and filed. Six applications were received by State Vice-President Juengel for membership in the S. A. F.

The chrysanthemums on exhibition were very good. A vase of fine Timothy Eaton, shown by Theodore Klockenkemper, took first prize. A vase of Liberty by Wm. Schray & Sons took second prize and Bentzen's vase of Pullman, Modesto and Marie Liger won third prize. The St. Clair Floral Co. also showed a big vase of well-grown Eatons and Mayflower. E. G. Hill Co., Richmond, Ind., made a big display of twenty-seven varieties in which were Jean Calvat, Wm. Duckham, Miss Lucy Evans, W. R. Charah, Otaheite, Miss Agnes Henderson, Mrs. Thirkell, Ethel Fitzroy, S. T. Wright, Henry II., Ethelyn, H. W. Buckbee, Convention Hall, Hero of Mafeking, Lidonia, Ida Barwood, Percy Plumridge, and many other good sorts. These were judged as very fine flowers and all worthy of mention. Baur & Smith showed their grand pink carnation, Indianapolis, which was much admired, but suffered some from shipment. The St. Clair Floral Co. showed a fine white seedling from Alaska, No. 10. These looked good. The judges on chrysanthemums were F. J. Fillmore, John Steidel and Otto G. Koenig. On carnations the judges were E. W. Guy, J. W. Dunford and Wm. Winter. The new Breitmeyer rose, which should have been on exhibition, came a day late. This should have been one of the attractions. J. A. Evans, of Richmond, Ind., was present and told us all about the great Indianapolis flower show.

The question box contained many interesting questions and brought out spirited discussions. The trustees announced the essays and discussions for meetings the coming year, which are as follows:

December, "Stem Rot," by James W. Dunford. Discussion, "Heating Greenhouses," led by Max Herzog.
January, "Ferns," by Walter Gillis. Discussion, "Propagating Roses," led by Frank J. Fillmore.
February, "Carnation Growing," by F. J. Fillmore. Discussion, "Propagating Carnations," led by E. W. Guy.
March, "Landscape Gardening," by J. H. Hadkinson. Discussion, "Propagating and Growing Geraniums," led by Henry Emmons.
April, "Pot-grown Chrysanthemums," by George Windler. Discussion, "Field Planting and Growing of Carnations," led by A. S. Halsted.
May, a talk on orchids, by C. E. McClure. Discussion, "Replanting Rose Stock," led by J. F. Ammann.
June, a talk on cactus, by A. G. Griner. Discussion, "Out-door Stock for Summer Blooming," led by Emil Schray.
Discussion for July, "Greenhouse Building," led by J. W. Dunford.
Discussion for August, "The Convention," led by J. J. Beneke.

After this the meeting adjourned until Thursday, December 10, at two o'clock.

Various Notes.

B. Eschner, of M. Rice & Co., Philadelphia, is in town. Mr. Eschner reports trade never better since the Milwaukee convention.

Julius Schray, of Wm. Schray & Sons, spent a few days in Indianapolis, taking in the big show, and reports a very fine exhibition.

It is said that our old friend, Alex.

Waldbart, will again enter the florists' business, and build a handsome place near Hamilton avenue.

J. F. Ammann's child is reported very sick at Edwardsville, and we hope for a speedy recovery. For this reason Fred missed the club meeting last week.

Dr. Wm. Trelease, director of the Missouri Botanical Garden, was prevented from attending the last club meeting by sickness of his son, which the members regret very much.

On Tuesday and Wednesday of this week in the parlors of the Lindell Hotel, the American Apple Growers' Congress held its annual convention. The delegates were entertained by F. W. Taylor, at the World's Fair. Henry M. Dunlap, of Savoy, Ill., is president of the congress.

Next month the meeting of the American Society of Naturalists will be held here. This will attract much attention throughout the country. William Trelease will preside at the meeting. Dr. Ross G. Harrison is secretary of the assembly.

J. W. Dunford is in line with a fine lot of carnations. James is never asleep and is always out for the best in the market.

John Steidle is also in the market with fancy cut carnations and violets and John knows a thing or two about growing fancy stock.

Bowling.

The Belleville boys were the guests of the Florists' Club last Friday night for their return match. This time the florists won the match. The scores were as follows:

Player—	1st.	2d.	3d.	T'l.
Beneke	187	148	203	538
Beyer	148	147	167	462
Miller	149	148	116	413
Guy	136	146	147	429
Kuehn	167	150	177	503
	787	742	810	2339
Belleville	744	778	781	2303

J. J. B.

DEAR MR. EDITOR: Would you kindly give us a little space in your valuable paper, which we all read with much interest, and publish the scores of our bowling club, same as you do for the men, as we are all connected with the trade more or less and we have more members. So if you will kindly publish them, here are the scores made at our last meeting:

Player.	1	2	3	Total
Mrs. Carl Beyer.....	146	86	83	315
Mrs. F. M. Ellis.....	98	78	115	291
Miss L. Meinhardt.....	78	101	89	268
Miss T. Meinhardt.....	83	77	91	251
Miss B. Meinhardt.....	90	90	81	261
Mrs. Swentzle.....	128	100	..	228
Mrs. J. J. Beneke.....	54	76	95	225
Mrs. F. J. Meinhardt.....	66	69	80	215
Mrs. Theo. Miller.....	101	106	..	207
Mrs. F. C. Weber.....	68	59	74	201
Miss Ammann.....	73	64	64	201
Miss Schnell.....	47	74	76	197
Mrs. J. Steidle.....	64	46	73	183

MRS. J. J. B.

CINCINNATI.

The Flower Show.

The chrysanthemum show of the Cincinnati florists' society was held Saturday, and it proved to be the best ever seen in the society's club rooms. Both quality and quantity of blooms were there. The show had been liberally advertised by the city papers, and was viewed by a vast crowd of people in the short time that it was open to the public.

Nathan Smith & Son, of Adrian,

Mich., made a very creditable display, showing some finely grown blooms, among them being Sunburst, an incurved yellow, very fine color, form and good size. The only draw-back is a somewhat weak neck. Outside of this the flower is ideal and would rank very high. Another new one was Dr. Englehardt, a ball-shaped flower, trifle incurved, of a good medium shade of pink, stem, foliage and size right up to the mark. It appeared to be a good one and scored high. It is a French importation.

H. W. Rieman, of Indianapolis, Ind., also made a large show, displaying a great number of varieties. They also had two seedlings, named Adelia and Majestic, both white. They were not extra large sized, but color, stem, foliage, etc., were good. The latter variety is especially a good thing and will bear watching.

The E. G. Hill Co., of Richmond, Ind., showed over forty different varieties, the majority of them being one bloom to the vase, with all forms and colors. It made a decidedly attractive display and was greatly admired by everyone.

Gunnar Teilmann, of Marion, Ind., showed the largest sized mums in the exhibition. They were truly immense, one vase of Goldmine being especially noticeable for its size.

J. W. Rodgers staged some nicely grown Bonnafon and also Perrin, which variety is very hard to beat in pink.

R. Witterstaetter made a fine show of mums and carnations. His Col. D. Appleton were the finest I have ever seen, and it is doubtful if they could have been better grown. One vase containing a large number of this year's seedling carnations was very attractive and any of them would have made the heart of an ordinary grower happy. A vase of No. 822A, a beautiful red carnation, was in fine form for so early.

George & Allan staged a vase of Chadwick which were grand, and had it not been that they were too late in staging them, to compete, they would undoubtedly have carried off first prize for best vase of white.

S. S. Skidelsky had with him a vase of the new Breitmeyer rose. They were the same that had been on exhibition at Indianapolis, last week, which proves it to be a good keeper. In other respects it would not be fair to criticize it, under the circumstances.

The awards were as follows: Best vase white, first, E. G. Hill Co.; second, Gunnar Teilmann; third, H. W. Rieman. Best vase pink, first, E. G. Hill Co.; second J. W. Rodgers; third, J. W. Rodgers. Best vase yellow, first, R. Witterstaetter; second, E. G. Hill Co.; third, Gunnar Teilmann. Best vase Bonnafon, first, R. Witterstaetter, second and third, J. W. Rodgers. Best general display, E. G. Hill Co.

The judge, Theo. Bock, was unable to be present, owing to sickness, and Ben George and Louis Pfeiffer officiated in his stead.

There was nothing considered for S. A. F. medals.

After the show the regular meeting of the society was held. There was no business of importance to be brought up, with the exception of a few details in regard to the future shows. Elmer Smith, on his way home from an extended trip east; Harry Sheppard, of the E. G. Hill Co.; Mr. Rieman, of Indianapolis, Ind., and S. S. Skidelsky were in attendance at the meeting and all

gave interesting talks regarding the mum shows they had visited recently.

The Market.

Business is just as good as last week which is saying a great deal. Mums still sell well and the supply is heavier than it has been at any time so far this season. They are not bringing quite so high a price, but this is due more to quality than over-supply.

Carnations are about the same as last week. Fancy ones are selling well and a good cold snap would quickly put them up to 4 cents. Short-stemmed roses are still over plentiful, but long ones sell well and more could be disposed of. There is a big demand for American Beauties with not enough to supply it. The best grade brings \$4 per dozen readily.

Notes.

Saturday evening a horse and wagon belonging to George & Allan was stolen from in front of the flower market. The thief was caught but not until he had disposed of a good lot of palms which the wagon contained.

Geo. Bayer, of Toledo, O., is sending some very good mums to E. G. Gillett. They are Bonnafon, Ivory, Wana-maker, Helen Bloodgood, and Vivian-Morel.

Owing to the carelessness of a night fireman B. P. Critchell has suffered a loss of from \$200 to \$300 in his chrysanthemums. Frost entered one of the houses and they are practically a total loss.

H. H. Ritter, of Dayton, O., suffered a severe loss through fire during the past week. His boilers exploded, the boiler shed caught fire and before it could be extinguished the greater portion of five houses was consumed. He carried no insurance.

Those who attended the Indianapolis show from this city returned home greatly pleased with what they saw and loud in their praise of the hospitality or the Indiana boys. The Cincinnati party consisted of W. Murphy, W. Schuman, D. Sunderbruch and wife, J. W. Rodgers, L. H. Kyrk and W. K. Partridge. E. G. Gillett was unable to attend, owing to the death of a near relative.

Ben Hensley, representing Joy & Son, of Nashville, Tenn., was a caller.

C. J. OHMER.

SPokane, WASH.—Hoyt Bros., who now have 55,000 feet of glass, have moved their retail store to 807 Riverside avenue, where Miss Armstrong has charge.

NORWALK, O.—Evans & Peat are building a flower store and conservatory which will compare favorably with those in larger cities. They will be ready for business about December 1.

WINONA, MINN.—St. Paul's parish has had a flower show, each of four florists occupying and decorating a separate room. The exhibitors were the Central Greenhouses, Woodlawn Greenhouses, the Winona Floral Co. and John Wunder.

SPRINGFIELD, MASS.—Alfred J. Buckleton is a bankruptcy petitioner, with liabilities of \$8,538 and assets of \$7,000. Fred M. Flagg, of Springfield, and John S. Bogan are secured creditors, holding mortgages on petitioner's real estate to cover loans of \$5,800 and \$800, respectively.

CHICAGO.

The Market.

With the weather cold, receipts have shortened a little and trade has taken some new life, but there is still an abundance of stock for all requirements, with prospects for plenty for Thanksgiving. The local retailers say it is remarkable how trade has gone against roses. They say Beauty is the only thing wanted in the rose line, and the reports at the wholesale houses bear out this statement, although there is a good call for specialties, such as choice Liberty, Chatenay and Sunrise.

There are and have been plenty of carnations of very fine grade. At no time this season has there been any shortage and it has generally been counted an exceptionally brisk day when the market is sold clean. Of course, there is always some skirmishing to fill particular needs, and cold weather may cut production. Chrysanthemums are selling better now and C. L. Washburn says it begins to look as though it was cold weather, not a flower show, which was needed to enliven business in this department.

Violets are going well, prices, of course, being according to quality and a good twenty-five per cent below last year's average at this time. Valley is very plentiful. A few Paper Whites are coming in. All green goods are plentiful.

The Greek Trade.

Some of the down town retailers are said to be wondering if there is any connection between the fact that their trade is no greater than a year ago, if it is even up to that, and the absence of the sidewalk merchants from the streets. One of those who fought them hardest is quoted as saying that he has about concluded the street salesmen were good advertising for the trade, it being something like a case of "out of sight out of mind" with flowers. Moreover, as most of the Greeks have rented stores, they are now doing business in direct competition with the retailers, handling good stock at close prices. Some of the boys who were driven off the curb have located in other cities, with a buyer here who picks up the job lots and ships them out, greatly to the disadvantage of the wholesale trade, for doubtless there is not a wholesale house which has not heard from one or more good customers who were incensed because of this new form of cheap competition.

Various Notes.

The Florists' Club will hold its annual ball at the drill hall in the Masonic Temple on the evening of December 2. A large attendance seems assured. The club held its second November meeting last night.

O. J. Friedman had a big wedding order for Tuesday, for the nuptials of the daughter of Otto Young.

Next Tuesday John Mangel will go to La Porte, Ind., to decorate for the Taylor wedding. The caterer and decorator will go down with a special car.

E. C. Amling says he could supply 3,000 strings of asparagus on notice sufficient to cut the stock. He says the sale for this has increased greatly, but not so fast as the supply. Bunches of plumosus are selling very well.

George Reinberg is getting in a big cut just right for Thanksgiving.

Kennicott Bros. are getting violets from a Wisconsin grower that are easily the best coming to town, and the grower

maintains this quality year after year.

Sinner Bros. are beginning to cut sweet peas. They have boxed up about 70,000 Dutch bulbs and Paper Whites. The latter will be in in a few days.

E. H. Hunt reports a big business on wild smilax.

The E. F. Winterson Co. has given the name "Perfect Shape" to the wire work they turn out.

Visitors: Fred Dorner, Jr., Lafayette; A. F. J. Baur, Indianapolis; Geo. L. Stiles, Oklahoma; E. S. Thompson, South Haven.

MINNEAPOLIS.

A Progressive Concern.

The Minneapolis Floral Co. has added a new carnation range of 10,000 feet during the past season and an additional 50,000 feet is projected for next year. This place, consisting of 100,000 square feet, is the most extensive in the state. Twenty thousand roses are planted this season. Mr. Monson claims own root stock will produce more good blossoms during the season than grafted stock. Grafted stock is stronger and produces larger and better roses earlier in the season but this is offset by the larger crop from own root stock at the holidays and during the winter when roses are more in demand. All the standard roses are grown and two or three good seedlings from France are very promising, especially for summer bloom.

In the new range erected the past summer he has 10,000 carnations, good strong plants, just now in crop. The leading varieties here are Enchantress, Lawson, Queen Louise, Mrs. Nelson, Crane, Bradt, Prosperity, Apollo, Mrs. Joost and White Cloud.

In the line of violets Mr. Monson has been particularly successful. Last season from two benches of about 2,700 plants he picked 285,000 blossoms, which netted him upwards of \$3,000. I don't know whether this would be considered a big crop among the Eastern growers, but in Minnesota it is the record. This season two houses are planted to violets, with about 5,500 plants, and they are looking better than they did a year ago.

A full line of 'mums is grown, some very fine blooms and plants being noted. Bedding plants are also grown, as well as a large stock of palms, ferns, etc. Nearly 500,000 bulbs are planted for early forcing.

Notwithstanding the immense output of this place, Mr. Monson is obliged to buy outside to meet the demand of his increasing trade. He has lately taken the flower stand in Northrup, King & Co.'s seed store, where he does a thriving retail business. X. Y. Z.

INDEPENDENCE, IA.

The home of Florist Bland, of the State Hospital here, was recently the scene of one of the prettiest weddings of the season, the occasion being the marriage of his oldest daughter, Emily, to Archer Henderson. The house was tastefully decorated, the bride and groom standing in a bower of palms, while roses and carnations were used in profusion in the other rooms.

A visit to the greenhouses showed improvements still being made. A new palm house, 35x25, is near completion, being Lord & Burnham's iron frame construction. In the other houses the

stock was much crowded awaiting the room which the new house will provide.

Among other things are some magnificent plants of *Adiantum cuneatum* and *grandiceps*, also *Areca lutescens* and the *kentias* in tubs were very fine. Owing to crowding rendered unavoidable by late building, chrysanthemums had lost some foliage, yet grand blooms were fast maturing. Roses and carnations looked fine. The grounds and plantations all show skillful care.

A brief visit to Florist Bissell found him bright and active for a man of his years. He enjoys a good local trade and has a neat little plant of about 3,000 feet of glass. His roses were not quite so good as usual, but in carnations he would be hard to beat, every variety being in the best of condition, while his Lawsons were the finest I have ever seen. A nice batch of mums in a cool house was promising good returns later, while in a dwarf late chrysanthemum he has something he is not talking about, but is awaiting it to show its true character. Some nice plants of *Nephrolepis Pierisoni* and *Bostoniensis* were also to be seen. H. S.

SOCIETY OF AMERICAN FLORISTS.

Department of Plant Registration.

C. D. Beadle, Biltmore Nursery, Biltmore, N. C., submits for registration the following named seedling chrysanthemums and announcement thereof is hereby made in accordance with the rules of the society. The description given in each instance is based upon plants grown to single flower in benches.

Miss Birnie-Phillip (Mrs. H. Robinson X Advance). Flowers ten to twelve inches in diameter, of the Japanese incurved type, borne on strong, stiff stems six to seven feet tall; color white with delicate shading of rose-pink at the base of the very numerous rays, the longest of which are five to six inches long and mostly tubular from one to two-thirds of their length. The upper or ligulate portion one-quarter to one-half inch wide, mostly plaited and sometimes cleft or toothed; foliage gradually diminishing in size from far down the stem; leaves large, lively rich green, produced to within a few inches of the flower.

Cziffer (Mrs. H. Robinson X Advance). Flowers eight to ten inches in diameter, of the Japanese reflexed type, borne on stout, stiff stems about four feet tall; color white with creamy tint, the longest of the numerous rays four or five inches long, rarely five-eighths of an inch wide, furrow-veined, plaited or troughed, their bases sometimes obversely channelled, presenting a decided whorled or whirling effect, especially before complete maturity; foliage gradually diminishing in size upwards; leaves of medium size, deep green, produced to within three or four inches of the flower.

Mrs. Swope (Mrs. Higginbotham X Mrs. H. Robinson). Flowers ten to twelve inches in diameter, of the Japanese incurved type, produced on very stout, stiff and straight stems five to six feet tall; color creamy white with slight flush of rose; rays numerous, all but the spreading lower ones, incurved, the inner series very short-tubular, the outer often with the tubular portion extending to or near the apex; they are channeled or furrow-veined, the longest five to six inches long and with the ligulate portion one-half to five-eighths of an inch wide; foliage produced almost to the flower; leaves large, deep green, almost hiding the stem.

Peter Stuyvesant (Mrs. Higginbotham X Mrs. H. Robinson). Flowers seven to nine inches in diameter, of the pure incurved type, borne on very stout, stiff and straight stems four to five feet tall; color rich canary yellow, the longest of the numerous, strongly incurved and symmetrically arranged rays four to five inches long, some of the outermost of which are occasionally tubular to the apex, but usually with the channeled ligulate portion one-half to three-quarters of an inch wide; they are furrow-veined and marked (only on the inner or ventral surface and unnoticeable except on close examination) by lines or dashes of rose-purple; foliage produced almost to the flower; leaves large, deep green, almost hiding the stem.

Rose Sir Thomas Lipton, presented for registration by the Conard & Jones Company, West Grove, Pa., on October 17, 1903, has been duly registered.

WM. J. STEWART, Sec.

GARDENING UNDER GLASS

SETTING TOMATOES.

At the present time, and as long as the weather continues bright, the setting of tomatoes is a comparatively easy matter, the shaking of the vines during the brightest part of the day being all that is necessary to distribute the pollen, the supply of which is usually so plentiful that some of it will find its way to the stigmas. But with the arrival of the dull days the setting operation entails considerably more trouble. A good deal depends on the varieties grown and also on the suitability of the house provided; the brighter the house the easier the pollinating process can be accomplished. Some varieties supply pollen plentifully, while others are shy pollen bearers. It is well when trying new varieties, or varieties that you are not sure of, to grow a few of Lorillard or some of the old standard varieties, which under average conditions produce a plentiful supply of pollen. It is also a good plan to store pollen when it is plentiful, in preparation for the time when it is not so easily to be had. It is not so much that the flowers do not produce pollen during dull weather, but that the pollen is not set free for lack of sunlight, the action of which is necessary to burst the anther cells in which the pollen is bound. We find a convenient plan to collect pollen is to shake the flowers over a piece of clean glass and lay the glass away in a close box in a dry, warm place, where it will keep in good condition for a considerable time. It can then be applied when wanted by means of a small camel's hair brush. The brush takes up quite a little of the pollen at first, but after it is loaded it will go over a lot of flowers. A bright day should be chosen for the operation, as on such days the stigmas are in better condition to receive the pollen than on dull, damp days.

W. S. CROYDON.

ORANGE, N. J.

Society Gives Exhibition.

A "chrysanthemum night" was observed by the New Jersey Floricultural Society as a feature of the November meeting. It drew out the full strength of the society, besides a fine display of chrysanthemum blooms and a sufficient variety of other flowers to prevent monotony. President George Smith staged his big blooms with his usual skill in display, setting them off with crotons and other foliage plants, and the whole against a bank of palms. His mingling of his various carnations produced a finer effect by contrast than had each individual kind been by itself. Peter Duff came from Madison, where he carried off ten firsts. He had reserved some particularly fine blooms for this show, however. Vice President William Bennett held the place of honor, occupying the entire east end of the Elks' assembly room with a pyramidal group set off with *Dracæna terminalis* and *D. Sanderiana*. His Balfour contrasted by Garza were particularly effective. Dieterik Kindsgrab's well-grown *Begonia Gloire de Lorraine* in 6-inch pots formed a graceful screen to the secretary's desk, while the allamanda blooms of John Hayes furnished a

fitting mate on the other side to that of Treasurer Macrorie.

In point of attendance the show exceeded any ever held in these rooms and it was found necessary to keep the crowd moving that all might have opportunity of viewing. The only drawback was that it was limited to but one night. It was the most successful in this very successful series in the contest for the four silver cups, of which the next meeting will be the last.

The new rose General McArthur, with a generous vase of Bride carnations on each side, against a miscellaneous backing of new chrysanthemum blooms, staged by John N. May, and the new pink chrysanthemum, Dr. Englehardt, of W. A. Manda, held the admiration of the crowd throughout the evening.

W. A. Manda has added another range of glass to his large plant at South Orange.

George Atkinson's chrysanthemum output is 40,000 this year, which, with the exception of only a small number for local trade, are disposed of among the New York jobbers.

JOS. B. DAVIS.

TARRYTOWN, N. Y.

The F. R. Pierson Co. is still shipping Piersoni in large quantities to every part of the country, but the supply remains unlimited. The 5, 6 and 8-inch pots for the retail florists seem to be in special favor and the immense house at Scarborough devoted to these commercial sizes will be none too large to meet the increasing demand. The weather east has been specially favorable for shipping this fall, and not a fern has been injured by frost to date.

Among Mr. Pierson's exhibits at the flower shows has been his new pink 'mum, Dr. Englehardt, a flower of great depth and substance, with remarkably strong stem and foliage, which he considers the best since Appleton. His new red carnation, Daheim, is striking in its brilliance of color and strong stem. The new yellow 'mum, No. 15, which promises great results will not be sent out until 1905.

WANT ADVERTISEMENTS.

Advertisements under this head one cent a word, cash with order. Plant advertisements NOT admitted under this head.

Every subscriber is entitled to a free situation wanted or help wanted advertisement not exceeding 35 words in any one issue during the year. If the advertisement exceeds 35 words, send at the rate of one cent for each additional word.

When answers are to be addressed in our care, add 10 cents for forwarding.

SITUATION WANTED—As manager or foreman with entire charge; capable of managing a large plant and having the work done in a practical way; up-to-date grower of roses, carnations, mums, etc.; first-class references; when applying state wages. Address No. 209, care Florists' Review, Chicago.

SITUATION WANTED—By young woman up-to-date, in a florists' store; ten years' experience; best reference. Address No. 207, care Florists' Review, Chicago.

SITUATION WANTED—By a young man of 21, quick, healthy and intelligent, capable of taking charge, in greenhouses; life-long experience in bulbs, cut flowers and pot plants; best of references; no bad habits. No. 208, care Florists' Review, Chicago.

FOR SALE—Greenhouses, dwelling and about four acres good ground; no competition; full stocked; good business; offer at about half-price and terms to suit; good renter can have immediate charge. Address S. L. Harper, Mechanicsburg, Ohio.

SITUATION WANTED—By a working foreman; Danish; 25 years of age; single; first-class grower of cut flowers and plants; best of references; west preferred. Address E. Jensen, 2419 Elmira Ave., West Superior, Wis.

SITUATION WANTED—By single man, with 8 years' experience in roses, carnations, mums, etc.; good propagator. No. 211, care Florists' Review, Chicago.

SITUATION WANTED—In florist's store by a young lady who has had 6 years' good, practical experience; excellent references. Prefer a large place where there is plenty of business and a chance for advancement. Address No. 212, care Florists' Review, Chicago.

SITUATION WANTED—By an orchid grower; competent to grow a mixed collection of orchids; private or commercial; best of references. Address No. 213, care Florists' Review, Chicago.

WANTED—A single man; one who understands growing a general greenhouse stock on a small commercial place; also to take charge during absence of manager; state wages with room and board; give reference; good place for right man in north Texas; German preferred. Greenville Nursery & Floral Co., Greenville, Tex.

WANTED—Dec. 15, young single man with experience in cut flowers and ferns; position permanent; state wages; Scandinavian preferred. Address L. Nelson, Colma, San Mateo Co., Calif.

WANTED—A bright, hustling young man of good address for a Chicago retail establishment; must be competent in decorating and designing and a first class salesman. Address, with references as to ability and character, stating wages desired, No. 205, care Florists' Review, Chicago.

WANTED—Good assistant in greenhouse, \$20.00 per month, board, room and laundry, with chance of advance. Address Chas. Keller, Woodmere P. O., Detroit, Mich.

FOR SALE—A beautiful home and greenhouse. Dwelling contains 13 rooms, all modern improvements, in a city of 7500 inhabitants, with no competition; greenhouse has 6000 feet under glass, well stocked with choicest plants. Will be sold together or separate. Reason for selling, health. Four railroads and good shipping facilities. Address Frank Shaffer, Pana, Ill.

SITUATION WANTED—As foreman or manager; eighteen years' practical experience; thoroughly conversant with all branches of the business. Address No. 196, care Florists' Review, Chicago.

FOR SALE—Store and greenhouses; fully stocked; long time lease; good location and doing a good business; ill health cause of selling. Address John Hoeft, 930 N. Campbell Ave., Chicago.

WANTED—A reliable all around store man; one having ability to decorate and design; permanent position. State salary and reference. William L. Rock Flower Co, Kansas City, Mo.

WANTED—Florist to grow pot plants and cut flowers, and take charge 6,000 feet glass; single, price \$40.00 with room. Address No. 192, care Florists' Review, Chicago.

FOR SALE—New greenhouse material as follows: New 2-in. black pipe, long lengths, 10 cts. per ft.; 6x8, 50 ft. boxes, American glass, single, \$2.25 per box; 6x8, 50 ft. boxes, American, double, \$2.70 box; 6x8, 100 ft. boxes, French, single, \$4.00 box; 8x10 single French glass, \$4.50 per 100 ft. box; 12x14, 16x18, 14x14, 50 ft. boxes, American glass, double, \$3.60 box; 12x12, 10x14, 50 ft. boxes, American glass, single, \$2.40 box. Clear gulf cypress greenhouse material, and everything for building. Send for prices. S. Jacobs & Sons, 1365 to 1375 Flushing Ave., Brooklyn, N. Y.

WANTED.

An all-around man to manage retail store in Chicago. Large established business. Applicant must not be over 35 and able to handle every sort of work in a first-class store. Address, with full particulars, No. 210, care Florists' Review, Chicago.

FOR SALE.

Greenhouses; good location for both local and shipping business; well stocked; winter coal laid in; will sell cheap if sold at once; selling on account of failing health.

JAS. RICHARDSON, London, Ohio

FOR SALE.

One single open delivery wagon; will also dispose of horse and harness.

FLORIST,
50 West 29th St., New York City.

FOR SALE

On account of giving up business, a lot of nice plants of *Asparagus Plumosus Nanus*, *Asparagus Sprengeri*, Boston Ferns, *Aspidistras* and *Crimson Rambler Roses*. For prices address:

CHAS. P. GULICK,
Riverside Greenhouse.

KINGSTON, : : : : NEW JERSEY.

E. F. Winterson Co.
MODERN SUPPLY HOUSE,
45-47-49 Wabash Ave.
CHICAGO.

NURSERY NEWS.

California Privet.

Seed Trade News.

AMERICAN ASSOCIATION OF NURSERYMEN.
Pres., N. W. Hale, Knoxville, Tenn.; Vice-Pres F. A. Weber, St. Louis; Sec'y, Geo. C. Seager, Rochester, N. Y.; Treas., C. L. Yates, Rochester, N. Y. The twenty-eighth annual convention will be held at Atlanta, Ga., June, 1904.

WM. BAXTER, for fifty-one years with W. & T. Smith Co., Geneva, N. Y., died November 12.

W. F. SCHELL, manager of the Wichita Nursery, Wichita, Kans., says they are doing the largest fall business on record, mostly in fruit trees.

F. W. TAYLOR has visited every state and territory in the Union, save Oklahoma, in the interests of agriculture and horticulture at the St. Louis exposition.

STARK BROS., Louisiana, Mo., have planted, with cuttings, more than 100 acres of land in the grape belt at Dunkirk, N. Y. Most of the stock is Concord.

AT Omaha two nurserymen, C. H. Green and L. E. Greene, became involved in an imbroglio because of mistaken identity, each repudiating orders taken by the other.

A. PINOTEAU, superintendent of parks at Montreal, is planting a great many shrubs this fall, to replace bedding plants, the use of which has been abandoned in many situations.

PROF. H. T. FERNALD, entomologist for the state of Massachusetts, has just completed the annual inspection of nurseries and reports them very clean. Last year eighty places were inspected, this year 110, the increase being mostly florists' establishments, where some nursery stock is carried.

J. L. PHILLIPS, state entomologist, at Blacksburg, Va., has issued the following circular:

On November 5 I examined a large lot of nursery stock in Roanoke while it was being delivered by the agent, and found a large percentage of the apple trees seriously affected with crown gall, and a smaller number badly injured by the woolly aphid. In one order of some 800 apple trees I found 125 trees so badly affected with crown gall as to render them entirely worthless.

The object of this notice is to call the attention of purchasers to the fact that the Virginia law prohibits the sale of nursery stock affected with San Jose scale, woolly aphid, crown gall, and other diseases that need not be mentioned here. Purchasers cannot be required to pay for stock of this character, no matter if it is covered by certificates of nursery inspection. The stock in question came from outside this state and carried the inspection tags, but notwithstanding this it was badly diseased.

WEST BADEN, IND.—The West Baden Springs Co. is building a large greenhouse near the hotel.

GAINESVILLE, GA.—J. E. Jackson has just completed three houses 10x100. Early frost killed outdoor stuff October 24 and all Mr. Jackson's 'mums went also.

WASHINGTON, D. C.—F. H. Kramer opened his handsome new store at 916 F street N. W., on November 17. A neat invitation was distributed and brought many visitors.

UTICA, N. Y.—The Utica Florists' Club had a very successful little trade show November 10, followed by a supper. Many of the introducers of novelties sent exhibits for inspection.

Per 100 Per 1000

75,000 Two-year, 2½ to 3 ft.....	\$2.75	\$25.00
200,000 Two-year, 2 to 2½ ft.....	2.50	22.00
100,000 Two-year, 18 to 24 in....	2.00	18.00
500,000 One year, 12 to 18 in., branched.....	1.25	10.00
Will contract to make cuttings.....		.75

All the above grades have been transplanted and cut back, except one year. This gives good roots and bushy plants.

RIVER VIEW NURSERIES,
J. H. O'HAGAN.
LITTLE SILVER, NEW JERSEY.
Mention Review when you write.

McCOLGAN BROS.
Red Bank, N. J.
Successors to JAMES McCOLGAN & CO.
Offer to the trade a large stock of

California Privet
IN SEVERAL GRADES.
100,000 Ampelopsis Veitchii,
1, 2 AND 3 YEARS.
PRICES ON APPLICATION.
Mention Review when you write

Peterson Nursery,
164 La Salle St., CHICAGO.
PEONIES
And HARDY ORNAMENTAL STOCK.
Write for illustrated price list.
Mention the Review when you write.

W. & T. SMITH COMPANY,
GENEVA, N. Y.
Wholesale Growers of **ORNAMENTAL TREES,**
Shrubs, Roses, Clematis, Fruit Trees and Small Fruits in great variety
Send for our Wholesale Price List.
Mention the Review when you write.

MANETTI ROSE STOCKS	Supply limited Write to-day
----------------------------	--------------------------------

Thomas Meehan & Sons, Dreshertown, Pa.
Mention the Review when you write.

Send to **THE MOON** Company
For Your { Trees, Shrubs, Vines, and Small Fruits.
Descriptive Illustrated Catalogue Free.
THE WM. H. MOON CO.,
Morrisville, Pa.

PEONIES
FRAGRANS (Sometimes called Thurbecki).
\$6 00 per 100.
For 1000 rate or other varieties write
GILBERT H. WILD, - - Sarcoxle, Mo.
Mention the Review when you write.

AMERICAN SEED TRADE ASSOCIATION.
Pres., S. F. Willard, Wethersfield, Conn.; First Vice-Pres., J. Chas. McCullough, Cincinnati, O.; Sec'y and Treas., C. E. Kendel, Cleveland, O. The 23d annual meeting will be held at St. Louis, Mo., June, 1904.

THERE seems to be anxiety on the part of bouquet green jobbers to cover their sales.

WHAT per cent will be delivered on contract sweet corn orders is an important question just now.

BEANS are drying slowly; there will likely be a delay in the delivery of contract orders owing to this.

WORK on the catalogues is being pushed and there seems to be a shortage of novelties as well as of cucumber seed.

THE farmers in the northwest are interested in the macaroni wheats, and many will sow them for trial next year.

THE Livingston Seed Co., Columbus, O., has an output of some 2,000 barrels of tomato pulps, which they sell to a catsup maker.

VISITED CHICAGO: H. W. Jones, of the Sioux City Seed and Nursery Co., Sioux City, Ia., on his way home from northern Michigan.

THIS cold snap has caused a hustle among the onion set growers to get winter quarters for the scattering lots that are still left in the open.

J. C. ROBINSON, of Waterloo, Neb., calls attention to the fact that his circular on the cucumber seed situation was wrongly credited in our last issue.

THE liabilities of the Cape Vincent Seed Co. are scheduled at \$28,907 and assets \$40,076. A debt of \$25,000 to the United National Bank is in dispute.

ROGERS BROS., of Chaumont, N. Y., are offering a novelty in the way of a new pole bean, the Golden Carmine. The new pea, Dwarf Champion, is another of their introductions.

E. L. OSBORN, formerly manager of the Plant Seed Co.'s interests at Petoskey, Mich., is reported as about to engage in seed growing under the name of the Petoskey Seed Co.

As we go to press the local pickle men are holding a convention at the Palmer House, Chicago. Information of value bearing upon the cucumber seed situation could probably be picked up from those in attendance.

OWING to full deliveries in general of crops from the Pacific coast this year and a doubt as to what the coming demand for such seeds will be, makes rougher sledding than ordinary for the growers from the coast who are looking for advance contract orders.

NOTHING new has developed the past week to alter the corn and cucumber situation. Things remain about as they have been, and anyone who is well enough posted to give definite figures covering the probable quantities in sight or the actual value of either cucumber seed or sweet corn is in hiding.

Chinese Narcissus

STUMPP & WALTER CO., 50 Barclay St., NEW YORK.

BRANCH STORE: 404 EAST 34TH STREET.

Packed in baskets, 30 each, \$1.20 per basket. Bales of four baskets 120 in all, \$4.50 per bale. Special prices on lots of 1000 or over.

Mention the Review when you write.

THE southern and southwestern trade are eager for part shipments of their contract orders, and the jobbers are doing their best to make the shipments as complete as possible.

RALPH M. WARD & Co., 17 Battery place, New York, opened for business November 2. Mr. Ward was formerly with Hagemann & Meyer and later a partner in Hagemann & Co. With him are his brother, C. Wayne Ward, traveling salesman, and J. H. Thomas, office manager.

THE Southern Seed Company has been incorporated at Louisville, Ky., with \$50,000 capital, and indebtedness limited to \$100,000. The incorporators are James F. Tinsley, of Richmond, Va., 195 shares; P. G. Tinsley, of Nashville, 75 shares; A. D. Ladoux, of New York, 30 shares; R. S. Merimee and T. H. Merimee, of Louisville, 50 shares each, and Ed. C. Foltz, of Louisville, 100 shares.

WHEN harvesting Dobbie's Golden Ball turnip seed this summer at Orpington, writes Wm. Cuthbertson, in the Gardeners' Chronicle, I was struck with the appearance of a remarkably fine plant. I had it saved by itself and thrashed out. The weight of seed was 8¼ ounces. I counted the seeds in 1-16th of an ounce, and found they numbered 1,120, which works out 147,840 for the 8¼ ounces. Thus a single seed sown in July, 1902, has reproduced itself 147,840 times in a twelvemonth.

MANY of the jobbers are sceptical as to the scarcity of sweet corn. They argue that plenty of the seed will develop later on. The only fear entertained is that the germination may be poor, on account of the soft condition of the ears as they are taken from the shocks. A great proportion of the chits, when they are picked out of the cob and examined, show a blackness which is not liked by those who are posted. How much this will affect the sprouting of the grains is a question, and it will have an important bearing upon the quantity of sweet corn available for seed.



LONGIFLORUMS, HARRISII, FREESIA, OXALIS, CALLAS.
Now ready for delivery.

Annual Trade List of **BULBS** sent on application
W. W. RAWSON & CO., Seedsmen
12 and 13 Faneuil Hall Square, BOSTON.
Mention the Review when you write.

VREDENBURG & CO.
ROCHESTER, N. Y.

Lithographing, Printing, Engraving.
Binding exclusively for **FLORISTS, SEEDSMEN and NURSEYMEN**
Sample Colored Plates free—Send for Catalogue
UNEQUALLED FACILITIES
Mention the Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers.

SURPLUS BULBS.

SINGLE HYACINTHS for Bedding or Forcing, Light Blue, Pink and Pure White, \$2.75 per 100; \$23.00 per 1000.

NARCISSUS TRUMPET MAJOR\$7.50 per 1000

NARCISSUS VON SION, good forcing grade 12 00 "

ROMAN HYACINTHS, 12 to 15 cms. 25.00 "

CALLA ETHIOPIA, 5½ to 7-inch circumference 8.00 per 100

HARRISII LILY, 5 to 7-inch 3.50 "

PARROT TULIPS, best mixture 7.00 per 1000

CHINESE NARCISSUS per basket, 30 bulbs, \$1.25

Per bale, 4 baskets (120 bulbs) 4.25

THE STORRS & HARRISON CO., PAINESVILLE, OHIO.

Burpee's Seeds Grow

SEEDS

THE ALBERT DICKINSON CO.

Timothy, Clovers, Flax, Hungarian, Millets, Red Top, Blue Grass,

Lawn Grass, Orchard Grass, Pasture Mixtures, Bird Seeds,

ENSLAGE CORN, POP CORN, BUCKWHEAT, BEANS, PEAS, ETC.

COTTON GRAIN BAGS.

CHICAGO ILL.

RAFFIA!

We carry a large assortment of **COLORED RAFFIA GRASS** on hand for immediate delivery.

Every strand is dyed its entire length. Samples free.

R.H. COMEY CO., Dyers,
CAMDEN, N. J.



Gladiolus Bulbs.

Our bulbs are not better than the best, but better than the rest. **TRY THEM.**

CUSHMAN GLADIOLUS CO.,
SYLVANIA, OHIO.

THE REGAN ...PRINTING HOUSE...
Nursery....
Seed....
Florists'... **Catalogues**
87-91 Plymouth Place, Chicago.

ESTABLISHED 1802.

Thorburn's Bulbs

Our Wholesale Catalogue of Bulbs and Flower Seeds for Florists now ready.

DUTCH HYACINTHS, SPIRAEAS and all Florists' Forcing Bulbs.

Expected soon and are booking orders now for **ASPARAGUS PLUMOSUS ROBUSTUS**

Which grows more rapidly, yields more sprays for cutting and is by far more valuable for florists than any other sort.
\$1.00 per 100 seeds; \$9.00 per 1000 seeds.

J. M. THORBURN & CO.
36 Cortlandt St., NEW YORK.

Mention the Review when you write.

BULBS FOR FORCING and BEDDING.

BEST GRADES ONLY.

Write for special prices.

W. C. BECKERT, ALLEGHENY, PA.
Mention Review when you write.

I SEND another dollar for your good paper; I miss it if I don't have it for Sunday.—L. THUBLIN, Mobile, Ala.

SAMUEL S. PENNOCK, WHOLESALE FLORIST, 1612 Ludlow St., PHILADELPHIA.
WE ARE OPEN FROM 7:30 A. M. UNTIL 8:00 P. M.

Chrysanthemums for Thanksgiving

Mention the Review when you write.

Pittsburg Cut Flower Co. Ltd.

CHRYSANTHEMUMS, CARNATIONS, WHOLESALE FLORISTS,
ROSES AND VALLEY. 504 Liberty Ave., Pittsburg, Pa.
Mention Review when you write.

PITTSBURG.

The Market.

Quantities of all kinds of flowers are arriving in this market and the demand is only fair. The mild fall weather is bringing along large quantities of chrysanthemums and roses. In fact roses and chrysanthemums are a glut and hard to move at respectable figures. So far mums have not affected the demand for Beauties in the slightest; the supply is large and the quality extra fine. In miscellaneous roses, the fancy varieties have the call, the minor grades remaining unsold. Some very choice Golden Gate and Ivory are being received. Carnations are not blooming as freely as other seasons, but it's a good fault just now, as their scarceness keeps up their prices a little. Quantities of sweet peas and California violets are arriving and find a good market. Smilax is very plentiful and Sprengeri scarce.

Notes.

Henry Eichholz, of Waynesboro, is sending the finest Jerome Jones seen in this city; in size and quality they will hardly be equaled in the country.

Blind Bros. are cutting some very fine Niveus.

The Pittsburg Rose and Carnation Co., at Bakerstown, is shipping quantities of extra fine Maids and Brides to the Cut Flower Co.

Among the retailers, Randolph & McClements, A. W. Smith, Breitenstein & Flemm, L. I. Neff and T. M. Ulam, report good business with weddings and other festivities.

Mrs. E. A. Williams furnished the decorations for the Consistory banquet at Duquesne Garden last Friday; the work was elaborate and costly.

Geddis & Blind are making a fine window display with chrysanthemums at their Fifth street store.

The Pittsburg Cut Flower Co. is receiving some very choice sweet peas, longiflorum lilies and mignonette.

E. C. Ludwig is handling a great variety of very beautiful out-door pompon chrysanthemums. Hoo-Hoo.

CHICAGO, O.—John Klink has sold his greenhouses to George H. Meyers and will leave for Cuba in a short time.

WATERTOWN, N. Y.—Greene & Underhill have paid their creditors a first and final dividend of 75 per cent in their bankruptcy case.

GARRETTSVILLE, O.—S. C. Temple has been at Ravenna to judge the flower show and reports it the best amateur display he ever saw.

THANKSGIVING!

Mums, Valley, Violets.

Thanksgiving Price List.

Subject to change without notice.

BEAUTIES	Per doz.	CARNATIONS.....	Per 100
24-inch and over billed accordingly.		" fancy ..	2 50 to 4 00
20-inch stems.....	\$2 50 to \$3 00	VIOLETS.....	75 to 1 50
15-inch stems.....	1 75 to 2 00	VALLEY.....	3 00 to 4 00
12-inch stems.....	1 50	ADIANTUM.....	1 00 to 1 25
	Per 100	SMILAX, per doz.....	1 25 to 1 75
BRIDES.....	\$4 00 to \$8 00	GALAX, gr., per 1000, \$1	20
BRIDESMAIDS.....	4 00 to 8 00	" br., " \$1 50	20
METEORS.....	6 00 to 10 00	FERNS, per 1000,	1 50 20
PERLES.....	3 00 to 6 00	Asparagus Sprengeri.....	2 00 to 3 00
ROSES, our selection....	3 00	" Plumosus.....	2 00 to 3 00
CHRYSANTHEMUMS	10 00 to 20 00	" " strings	35 00 to 50 00

Kennicott Bros. Co.

Wholesale Commission Florists,

40-42-44 Randolph St., CHICAGO.

Mention the Review when you write.

BOSTON AND PIERSONI FERNS.

We are the largest growers in the West of these fine pot plants, and have an extra fine stock for the Holiday trade. Can give them to you in any size, 2½, 3, 4, 5, 6, 7, 8 and 10-inch. Nothing that you handle makes as much money for you as this stock.

To close out — 10,000 2-inch Sprengeri at a very low price. Fine Cinerarias, Primula and Obconica. Geraniums, cuttings and 2½-inch stock in red, white, pink and salmon.

Cuttings of Mrs. Fisher Carnations for summer blooming now ready. Write— GEO. A. KUHL, Pekin, Ill.

Mention the Review when you write.

JOLIET, ILL.—The Chicago Carnation Company opened its new city retail store November 4.

ERIE, PA.—H. Tong, who for the past twenty years has had charge of the Massasauga gardens and greenhouses here, has severed his connection with that establishment and in future will run his own place at Ashtabula, O., where he has just completed a new rose house 165 feet long, making a range of 20,000 feet of glass devoted principally to cut flowers.

LARGE ARECA LUTESCENS PALMS.

Several plants to pot, 6½ to 7 ft. high, \$12.50 per plant. Several plants to pot, 5½ to 6½ ft. high, \$10.00 per plant. 3 plants in 6-inch pots, 2½ ft. high, \$9.00 per doz. plants. 2 and 3 plants in 4-in. pots, 18 to 24 inches high \$4.00 per doz. plants.

LATANIA PALM PLANTS.

8-inch pots, 1 plant to pot, 8 to 10 leaves, \$18.00 per doz. plants. 6-inch pots, 1 plant to pot, 7 to 9 leaves, \$9.00 per doz. plants. 6 inch pots, 1 plant to pot, 5 to 7 leaves, \$6.00 per doz. plants.

Kentias, Pandanus, Boston Ferns, etc. Prices on application.

J. W. COLFLESH,

53rd St. and Woodland Ave. Philadelphia, Pa.

Mention the Review when you write.

LEO NIESSEN. Beauties, Liberties, Valley

Chrysanthemums

Open from 7 a. m. to 8 p. m.

WHOLESALE FLORIST, 1217 ARCH ST., PHILADELPHIA.

Mention the Review when you write.

JAPANESE LILIES. JUST ARRIVED IN SPLENDID CONDITION

	Per doz.	100	1000
<i>Lilium Auratum</i> , 8-9 (180 to case).....	75c	\$4.50	\$40.00
9-11 (100 to case).....	90c	6.75	63.00
<i>Lilium Speciosum (Lancifolium) Album</i> , 8-9 (200 to case).....	75c	5.50	50.00
9-11 (100 to case).....	90c	6.75	63.00
<i>Lilium Speciosum (Lancifolium) Rubrum</i> , 8-9 (200 to case).....	75c	5.50	50.00
9-11 (100 to case).....	90c	6.75	63.00

Write for New Wholesale List of Flower Seeds.

JOHNSON & STOKES, 217 and 219 Market St., PHILADELPHIA, PA.
Mention the Review when you write.

If you want MUMS, Carnations or Roses, write, phone or wire **EUGENE BERNHEIMER**,
WHOLESALE FLORIST, 11 So. 16th St., PHILADELPHIA.
Mention the Review when you write.

....THE....
COTTAGE GARDENS
Wholesale Florists,
QUEENS, - L. I., N. Y.
Mention the Review when you write.

THE E. G. HILL CO.
Wholesale Florists,
RICHMOND, INDIANA.
Mention Review when you write.

The F. R. Williams Co.
Wholesale Florists...
CLEVELAND, - OHIO.

CHAS. D. BALL,
GROWER OF **Palms, Etc.**
Send for Price List.
HOLMESBURG, PHILADELPHIA, PA.
Mention the Review when you write.

HARDY CUT FERNS.
Write for Prices.
 
FANCY DAGGER
L. B. BRAGUE,
Oldest, largest and most reliable dealer in the U. S.
HINSDALE, MASS.
Mention the Review when you write.

Wholesale Cut Flower Prices.

Philadelphia, Nov. 18.

	Per doz.
Beauties, Specials.....	2.50 to \$4.00
No. 1.....	1.50 to 2.00
Shorts.....	.75 to 1.00
Queen of Edgely, No. 1.....	2.00 to 3.00
No. 2.....	1.50
No. 3.....	.75 to 1.50
Bride and Bridesmaid, Specials....	4.00 to 6.00
No. 2.....	2.00 to 3.00
Golden Gate, Firsts.....	4.00 to 6.00
Seconds.....	2.00 to 3.00
Kaiserin, Firsts.....	5.00 to 8.00
Seconds.....	3.00 to 4.00
Meteor, Firsts.....	4.00 to 5.00
Seconds.....	2.00 to 3.00
Perle.....	2.00 to 4.00
Sunrise.....	3.00 to 5.00
Ideal.....	4.00 to 8.00
Liberty, Firsts.....	6.00 to 12.00
Seconds.....	3.00 to 5.00
Orchids—Cattleyas.....	40.00
Cypripediums.....	15.00
Carnations, Commons.....	1.00 to 1.50
Selects.....	2.00
Mrs. Lawton, etc.....	3.00
Enchantress.....	4.00
Adiantum Cuneatum.....	.75 to 1.00
Asparagus Plumosus, Strings.....	35.00 to 50.00
Bouvardia.....	2.00 to 2.50
Chrysanthemums, Ordinary.....	4.00 to 8.00
Fancy.....	10.00 to 25.00
Lily of the Valley.....	3.00 to 5.00
Mignonette.....	2.00 to 4.00
Sweet Peas.....	.50 to .75
Violets, ordinary.....	.25 to .50
Extra.....	.50 to 1.00
White.....	1.50
Daisies.....	.50 to .75

WATERTOWN, N. Y.—F. A. Bennett has a promising seedling carnation now in its third year. It is brilliant scarlet, four inches in diameter, fragrant and of good growth.

EDWARD REID,
WHOLESALE FLORIST.
EVERYTHING IN CUT FLOWERS
1526 Kanastad St., PHILADELPHIA.
Store closes at 8 p. m.
Long Distance Telephone.
Mention the Review when you write.

WILLIAM J. BAKER,
WHOLESALE FLORIST,
Chrysanthemums!
1432 South Penn Square, Philadelphia.
Mention Review when you write.

C. A. DUNN & CO.
Wholesale Florists,
1516-18 Sansom St. PHILADELPHIA.
MUMS and VIOLETS.
Bell—Phones—Keystone.
Mention the Review when you write.

Specimen Plants...
PANDANUS VEITCHII.
9-inch, \$3.00 to \$3.50 each; 10-inch, \$4.50 to \$5.00 each. Also smaller sizes.
JOHN WELSH YOUNG,
Upsal Station, Penna. R. R.
GERMANTOWN, PHILADELPHIA.
Mention the Review when you write.

Rice Brothers
128 N. 6th Street,
MINNEAPOLIS, MINN.
Wholesale Cut Flowers and Supplies.
WILD SMILAX—Flowers billed at market prices.
Shippers of Choice Cut Flowers and Greens of all kinds. Try us.
Mention the Review when you write.

HOLTON & HUNKEL CO.
WHOLESALE FLORISTS.
MILWAUKEE, - WIS.
Mention the Review when you write.



Thanksgiving Roses!
ALL VARIETIES. FRESH CUT.
Carefully packed and shipped direct from greenhouses.
HELLER BROS.
South Park Floral Co., NEW CASTLE, IND.

Charles Millang, New York

We are headquarters for every kind of Cut Flowers in their season. "THE LILY KING." Reasonable Prices. Square Dealing. Out-of-town florists promptly attended to. Telephone for what you want. Tel. 2230 Madison Square.

Moore, Hentz & Nash

Wholesale Florists. 55-57 W. 28th St. NEW YORK CITY. SHIPPING ON COMMISSION. Tel. 2034 and 2239 Madison Square.

Established 1891.
GEO. E. BRADSHAW. JOHN R. HARTMAN.
BRADSHAW & HARTMAN,
Wholesale Florists,
53 West 28th Street, NEW YORK.
Telephone 1239 Madison Square.
Consignments Solicited.
Mention the Review when you write.

JAMES McMANUS, Telephone, 50 W. 30th St., NEW YORK
759 Madison Square.
Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND.
ORCHIDS A SPECIALTY.
HEADQUARTERS FOR NOVELTIES

W. GHORMLEY,

WHOLESALE COMMISSION,
The largest commission house in America for
Roses, Violets and all other varieties of Cut Flowers. **57 W. 28th Street, NEW YORK.**
Telephone 2200 Madison Square.
My large shipping trade enables me to command the highest prices, which ring, connects you with all our TELEPHONES.
Special arrangements this season for the extensive handling of American Beauties.
Mention the Review when you write.

WALTER F. SHERIDAN,
Wholesale Commission Dealer in
CUT FLOWERS
39 West 28th St., NEW YORK.
(Established 1882)
Receiving Extra Quality American Beauties
and all other varieties of Roses.
Telephone 902 Madison Square. Carnations.
Mention the Review when you write.

BONNOT BROS.
WHOLESALE FLORISTS,
55 and 57 W. 28th St., NEW YORK.
Cut Flower Exchange.
OPEN ALL DAY!
AN UNEQUALLED OUTLET FOR CONSIGNED FLOWERS.
Telephone No. 2439 Madison Sq.
Mention the Review when you write.

JAMES A. HAMMOND,
Wholesale Commission Florist,
113 W. 30th St., NEW YORK CITY.
Tel. 854 Madison Sq.
Consignments receive conscientious and prompt
attention. Highest market price guaranteed.
The finest stock in the market always on hand.
Mention the Review when you write.

B. S. SLINN, JR. WALTER HUGHES.
SLINN & HUGHES
WHOLESALE FLORISTS.
Coogan Building,
55 and 57 West 28th Street, NEW YORK.
Telephone 2239 Madison Sq.
VIOLETS and SWAINSONA our specialties.
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Author of "HOW TO MAKE MONEY GROWING VIOLETS."
WHOLESALE FLORIST,
46 West 29th Street, NEW YORK CITY.
Telephone No. 3393 Madison Sq.
CONSIGNMENTS OF ALL FIRST-CLASS FLOWERS SOLICITED.
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Wholesale Cut Flower Prices.

New York, Nov. 18.

	Per 100
Beauties, Specials	\$10.00 to \$15.00
" Extra	6.00 to 8.00
" No. 1	3.00 to 5.00
" Shorts	1.00 to 2.00
Brides and Maids, Specials	3.00 to 6.00
" Extra	2.00 to 3.00
" No. 1	1.00 to 2.00
" No. 2 .....	.50 to .75
Golden Gate	1.00 to 4.00
Liberty	1.00 to 3.00
Meteor	1.00 to 4.00
Cattleyas	35.00 to 60.00
Cypripediums	10.00 to 12.00
Dendrobium formosum	30.00 to 40.00
Carnations, Common .....	.50 to .75
" Selects	1.00 to 1.50
" Fancies	1.50 to 2.00
" Novelties	2.00 to 4.00
Asparagus plumosus, Strings	25.00 to 50.00
Chrysanthemums, ordinary	2.00 to 3.00
" fancy	6.00 to 12.00
" novelties	12.00 to 25.00
Lilium Harrisii	5.00 to 8.00
Lily of the Valley	2.00 to 4.00
Smilax	6.00 to 10.00
Violets, ordinary .....	.50 to .75
" extra .....	.75 to 1.00
" specials	1.25 to 1.50

Monday's weather was disagreeable and the horse show opens under cheerless skies, but society will make itself felt in the flower market before the week is over. The football game last Saturday caused a ripple, especially on violets and yellow mums. The tendency of prices is upward. In a few days chrysanthemums will be scarce, violets will hold the advance and good roses will no longer need to appeal to buyers at starvation prices.

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\$1.00 per 1000.
Discount on large orders. Galax, bronze or green, new crop, 75c per 1000. Laurel Festooning, best in the world, 4c, 5c and 6c per yard—once used, always used. Southern Smilax, \$5.50

per case, 50 lbs. Try it when you want Smilax.

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CARNATIONS Shipped at New York Prices
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CONSIGNMENTS SOLICITED—PROMPT PAYMENTS.
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 Telephone No. 956 Madison Sq.
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 Consignments Solicited. Quick returns to Ship-
 pers. Highest Market Prices Guaranteed.
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 Special conveniences for both Whole-
 salers and Retailers this season. None bet-
 ter in the country.
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 Telephone 1738 Madison.
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 Coogan Building,
 55-57 W. 26th St., NEW YORK CITY.
 Phone 209 Madison Sq.
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 Everything for the Florist in Season-
 able Flowers all the year around.
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 WHOLESALE FLORISTS,
 37 W. 28th St. NEW YORK.
 Telephone No. 2165 Madison Sq.
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Galax 75c a 1000
 Picked by
 our own men
 in Banners Elk, N. C.
 C. L. HOWE, Wholesale
 Florist, DOVER, N. H.
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GALAX 50 cents
 a 1000
 LEUCOTHOE SPRAYS \$2.00
 a 1000
 If ordered direct from Banners Elk, N. C.
 Discount on large orders
 C. L. HOWE, - Banners Elk, N. C.
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GALAX. Bronze or Green,
 75c per 1000 in 2000
 lots or more.
 Leucothoe Sprays, Green, 90c per 100.
 Southern Smilax, fresh stock, per 50-lb. case,
 \$6.00; per 25-lb. case, \$3.50.
 Green Sheet Moss, choice stock, \$2.50 per
 barrel sack.
 Sphagnum Moss, \$1.75 per large bale.
 Florists' Supplies of every
 description.
 L. J. Kreshover, 110-112
 West 27th St. New York.
 TEL. 597 MADISON SQUARE.
 Mention Review when you write.

Wholesale Cut Flower Prices.

Buffalo, Nov 18.

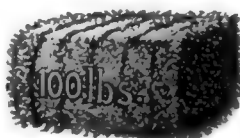
	Per 100
Beauties, Specials.....	\$20.00 to \$25.00
Extra.....	10.00 to 15.00
No. 1.....	5.00 to 8.00
Shorts.....	2.00 to 5.00
Brides and Maids, Extra.....	6.00 to 8.00
No. 1.....	4.00 to 5.00
No. 2.....	2.00 to 3.00
Carnot.....	2.00 to 3.00
Cusin.....	1.00 to 4.00
Golden Gate.....	1.00 to 5.00
Kaiserin.....	2.00 to 8.00
Liberty.....	2.00 to 10.00
Meteor.....	2.00 to 8.00
Mrs. Morgan.....	2.00 to 6.00
Perle.....	2.00 to 5.00
Sunrise.....	1.00 to 8.00
Orchids—Cattleyas.....	40.00 to 60.00
Carnations, Common.....	.75 to 1.00
Selects.....	1.25 to 2.00
Fancies.....	2.50 to 3.00
Novelties.....	4.00 to 5.00
Adiantum Cuneatum.....	.50 to 1.00
Farleyense.....	8.00 to 10.00
Asparagus plumosus, Strings.....	40.00 to 60.00
Sprays.....	1.00 to 2.00
Sprengerl.....	1.00 to 8.00
Chrysanthemums, Ordinary.....	8.00 to 8.00
Fancy.....	10.00 to 25.00
Lil. Longiflorum.....	15.00
Lily of the Valley.....	2.00 to 4.00
Mignonette.....	1.00 to 8.00
Smilax.....	10.00 to 15.00
Sweet Peas.....	.50 to .75
Violets, ordinary.....	.50 to .60
extra.....	.75 to 1.00
Galax.....	.10 to .15
Common Ferns.....	.10 to .15

Baltimore, Nov. 18.

	Per 100
Am. Beauty No. 1.....	\$10.00 to \$16.00
Shorts.....	3.00 to 8.00
Bride and Bridesmaid.....	3.00 to 5.00
Golden Gate.....	3.00 to 5.00
Kaiserin.....	3.00 to 4.00
Meteor.....	3.00 to 5.00
Perle.....	2.00 to 4.00
Carnations, Commons.....	1.00 to 1.25
Selects.....	1.25 to 1.50
Adiantum Cuneatum.....	.75 to 1.00
Asparagus plumosus, Sprays.....	1.75 to 2.00
Sprengerl, Sprays.....	1.75 to 2.00
Callas.....	6.00 to 8.00
Chrysanthemums, ordinary.....	3.00 to 5.00
fancy.....	8.00 to 20.00
Lily of the Valley.....	3.00 to 4.00
Smilax.....	15.00 to 20.00
Violets.....	.40 to .50

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 ADRIAN, MICH.
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 HINSDALE, MASS.



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 for Cemetery
 and Park use.

Also Wholesale Dealer in
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 BOUQUET GREEN,
 SPHAGNUM MOSS, etc., etc.
 Special attention paid to furnishing in carload
 lots. Write for prices and terms.
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AMERICAN BEAUTY, BRIDESMAID,
 BRIDE, LIBERTY, METEOR,
 LILY OF THE VALLEY, CARNATIONS.

JOHN I. RAYNOR,
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 Telephone 1998 Madison Square.
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TRAENDLY & SCHENCK,
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 38 W. 28th St., NEW YORK.
 Telephones 798 and 799 Madison Square. CONSIGNMENTS
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Hicks & Crawbuck,
 Wholesale Florists and
 Dealers in Florists' Supplies,
 108 Livingston Street, BROOKLYN, N. Y.
 Tel. 3660-3661 Main.
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FORD BROS.
 111 W. 30th Street, NEW YORK.
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 The LARGEST SHIPPERS
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 A complete assortment of the best in the
 market can always be relied upon.
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 Wholesale Com-
 mission dealer in **Cut Flowers**
 55-57 W. 26th St., NEW YORK CITY.
 Coogan Building,
 Violets and Carnations our specialties.
 Tel. No. 209 Madison Square.
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GALAX! Galax!
C. W. BURLESON & SON,
 LINVILLE, N. C.
 The best place to get the best Galax Leaves.
 All orders receive personal and prompt
 attention. Prime stock. Prices right.
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 45 West
 29th St., NEW YORK
 Tel. No. 1314 Madison Sq.
 and
 53 W. 28th St.
 (Basement)
 Tel. 1797 Madison Sq.
 Stands at Cut
 Flower Exchange
 Coogan Bldg., W.
 26th St., and 34th Street Cut Flower Market.
 — SPECIALTIES —
GALAX LEAVES, FERNS and
LEUCOTHOE SPRAYS.
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Wholesale Cut Flower Prices.

Chicago, Nov. 18.

	Per doz.	
Beauties, 36-inch stems.....	\$4.00	
" 30 ".....	3.80	
" 24 ".....	2.50	
" 20 ".....	2.00	
" 15 ".....	1.50	
" 12 ".....	1.00	
Shorts.....	.75	
Bridesmaids, Specials.....	\$4.00 to \$6.00	
Firsts.....	2.00 to 3.00	
Brides, Specials.....	4.00 to 6.00	
Firsts.....	2.00 to 3.00	
Kaiserin.....	3.00 to 10.00	
Liberty, Specials.....	10.00 to 12.00	
Firsts.....	6.00 to 8.00	
Seconda.....	3.00 to 5.00	
Golden Gate, Firsts.....	4.00 to 6.00	
Seconda.....	2.00 to 3.00	
Meteor, Firsts.....	4.00 to 5.00	
Seconda.....	2.00 to 3.00	
Mme. Chatenay, Firsts.....	6.00 to 8.00	
Seconda.....	3.00 to 5.00	
Carnot, Firsts.....	6.00 to 10.00	
Seconda.....	3.00 to 4.00	
Ivory, Firsts.....	4.00 to 5.00	
Seconda.....	2.00 to 3.00	
Sunrise, Firsts.....	4.00 to 6.00	
Seconda.....	2.00 to 3.00	
Perles, Firsts.....	4.00 to 5.00	
Seconda.....	2.00 to 3.00	
Carnations, Fancy.....	1.50 to 3.00	
Commons.....	1.00	
Violets.....	.50 to 1.00	
Chrysanthemums, \$1.00 to \$3.00 doz.		
Easter Lilies, \$2.00 doz.		
Callas, \$1.50 per doz.		
Valley.....	3.00 to 4.00	
Adiantum cuneatum.....	.75 to 1.00	
Asparagus plumosus, Strings.....	25.00 to 50.00	
Sprays.....	2.00 to 3.00	
Asparagus Sprenger, Sprays.....	3.00 to 6.00	
Smilax.....	\$1.25 to \$1.50 per doz.	
Common ferns, per 1000, \$1.50.		
Galax Leaves, \$1.00 to \$1.50 per 1000		

Milwaukee, Nov. 18.

	Per 100	
Beauties, Extra.....	\$12.50 to \$18.00	
No. 1.....	8.00 to 10.00	
Shorts.....	4.00 to 6.00	
Brides and Maids, Specials.....	6.00	
Extra.....	4.00	
No. 1.....	3.00	
No. 2.....	2.00	
Golden Gate.....	4.00 to 6.00	
Kaiserin.....	4.00 to 6.00	
Liberty.....	4.00 to 6.00	
Meteor.....	4.00 to 6.00	
Perle.....	3.00 to 4.00	
Carnations, Common.....	1.00	
Fancies.....	2.00 to 3.00	
Asparagus plumosus, Strings.....	50.00	
Sprays.....	2.00 to 4.00	
Sprenger.....	2.00 to 4.00	
Callas.....	10.00	
Chrysanthemums, Ordinary.....	4.00 to 5.00	
Fancy.....	10.00 to 20.00	
Lily of Valley.....	4.00	
Smilax.....	15.00	
Stevia.....	1.50	
Sweet Peas.....	2.00	
Violets ordinary.....	.50	
extra.....	1.00	
Common Ferns.....	.20	

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Roses, American Beauties, Chrysanthemums, Lilies, Smilax and Asparagus. 75,000 Cut Bloom Chrysanthemums.

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AND DEALERS IN Greenhouses at Hinsdale, Ill.

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A. L. RANDALL, Wholesale Florist

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37-39 Randolph Street CHICAGO.

Roses and Carnations
A Specialty.....

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All telegraph and telephone orders given prompt attention.

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WHOLESALE DEALER IN AND GROWER OF CUT FLOWERS

Two daily shipments from my greenhouses. Fresh Stock always ready for orders. Write, wire or phone. Quick Service Given.

**Poehlmann Bros. Cut Flowers.**

Wholesale Growers of and Dealers in

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35-37 Randolph Street, CHICAGO, ILL.

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of good quality always on hand.

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BENTHEY & CO.

35 Randolph Street, CHICAGO.

F. F. BENTHEY, Manager.

Consignments Solicited.

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Wholesale Growers of Cut Flowers. Regular standing orders solicited. Every facility for prompt shipment.

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With the Flower Growers' Co.

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The Finest Beauties and Double Violets in Philadelphia.

Chrysanthemums, Liberties.

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WHOLESALE FLORISTS AND CUT FLOWER COMMISSION.

Full line of FLOWERS' SUPPLIES and SUNDRIES.

All OUT FLOWERS in season. Send for Weekly Price List.

1,000,000 FANCY FERNS, \$1.00 per 1000. 200,000 Bronze GALAX, \$1.00 per 1000 in 5000 lots; \$9.00 per case of 10,000.

WM. DILGER,
Manager.

26 Miami Ave., Detroit, Mich.

Wholesale Cut Flower Prices.

Pittsburg, Nov. 18.

	Per 100	Per 1000
Beauties, Specials	\$20.00 to \$25.00	
Extra	12.00 to 15.00	
No. 1	6.00 to 8.00	
Shorts	2.00 to 4.00	
Brides and Maids, Specials	8.00 to 10.00	
Extra	3.00 to 4.00	
No. 1	1.50 to 2.00	
No. 2	1.00 to 1.50	
Carnot	1.00 to 4.00	
Cusin	2.00 to 4.00	
Golden Gate	1.00 to 4.00	
Kaiserin	2.00 to 6.00	
Liberty	4.00 to 8.00	
Perle	2.00 to 3.00	
Carnations, Common	1.00 to 1.25	
Selects	1.50 to 2.00	
Fancy	2.50 to 3.00	
Adiantum Cuneatum	1.00 to 1.50	
Asparagus plumosus, Strings	35.00 to 50.00	
Sprays	2.00 to 3.00	
Sprengerl, Sprays	2.00 to 3.00	
Callas	6.00 to 8.00	
Chrysanthemums, ordinary	2.00 to 6.00	
fancy	8.00 to 15.00	
Daisies	.50 to .75	
Lilium Longiflorum	8.00 to 12.00	
Lily of the Valley	4.00 to 8.00	
Mignonette, ordinary	3.00 to 8.00	
Pansies	.50 to .75	
Smilax	10.00 to 12.50	
Sweet Peas	.75 to 1.00	
Violets, ordinary	.25 to .50	
Common Ferns, Extra	.75 to 1.00	

Cincinnati, Nov. 18.

	Per 100	Per 1000
Beauties, Specials	\$25.00 to \$30.00	
Extra	12.50 to 20.00	
No. 1	4.00 to 8.00	
Shorts	2.00 to 4.00	
Brides and Maids, Specials	4.00 to 5.00	
Extra	2.00 to 3.00	
No. 1	2.00 to 5.00	
Cusin	2.00 to 6.00	
Golden Gates	2.00 to 6.00	
Liberty	2.00 to 8.00	
Meteor	2.00 to 6.00	
Perle	2.00 to 5.00	
Sunrise	2.00 to 5.00	
Carnations, Common	1.00 to 1.50	
Selects	2.00 to 2.50	
Fancies	3.00 to 3.50	
Adiantum Cuneatum	.50 to 1.50	
Asparagus plumosus, strings	35.00 to 50.00	
sprays	3.00 to 4.00	
Sprengerl,	2.00 to 3.00	
Callas	8.00 to 10.00	
Chrysanthemums, ordinary	6.00 to 12.50	
fancy	15.00 to 25.00	
Lily of the Valley	3.00 to 4.00	
Smilax	12.50 to 15.00	
Violets, ordinary	.50 to .75	
Extra	.75 to 1.00	
Galax	.15 to .25	
Leucothoe	.50 to .75	
Common Ferns	.15 to .25	

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Sent postpaid on receipt of \$1.50.

FLORISTS' PUBLISHING CO.

520 Caxton Building, 334 Dearborn St., Chicago.

Wholesale Cut Flower Prices.

St. Louis, Nov. 18.

	Per dozen	Per 100
Beauties, Specials	\$2.00 to \$3.00	
Extra	1.00 to 1.50	
No. 1	.75 to 1.00	
Shorts	.60 to .75	
Brides and Maids, Specials	5.00 to 6.00	
Extra	3.00 to 4.00	
No. 1	1.50 to 2.00	
No. 2	.75 to 1.00	
Carnot	5.00 to 6.00	
Golden Gate	4.00 to 5.00	
Kaiserin	5.00 to 6.00	
Liberty	5.00 to 6.00	
Meteor	4.00 to 5.00	
Perle	3.00 to 4.00	
Sunrise	3.00 to 4.00	
Carnations, Common	1.00 to 1.50	
Selects	1.50 to 2.00	
Fancies	3.50 to 4.00	
Adiantum Cuneatum	1.00 to 1.25	
Farleyense	1.00 to 1.25	
Asparagus plumosus, Strings	35.00 to 50.00	
Sprays	1.00 to 1.50	
Sprengerl,	1.00 to 1.50	
Callas	10.00 to 12.50	
Chrysanthemums, ordinary	6.00 to 8.00	
Fancy	12.50 to 20.00	
Lily of the Valley	4.00 to 5.00	
Narcissus	4.00 to 5.00	
Smilax	12.50 to 15.00	
Violets, ordinary	.25 to .35	
extra	.40 to .50	
Galax	.15 to .25	
Common Ferns	.15 to .25	

Boston, Nov. 18.

	Per 100	Per 1000
Beauties, Specials	\$25.00 to \$30.00	
Extra	15.00 to 20.00	
No. 1	6.00 to 10.00	
Shorts	2.00 to 4.00	
Brides and Bridesmaids, Specials	8.00 to 10.00	
Extra	4.00 to 6.00	
No. 1	2.00 to 4.00	
No. 2	.50 to 1.00	
Carnot	1.00 to 10.00	
Liberty	1.00 to 12.00	
Meteor	2.00 to 8.00	
Mrs. Morgan	1.00 to 8.00	
Perle	1.00 to 4.00	
Carnations, Common	1.00 to 1.50	
Selects	2.00 to 2.50	
Fancies	3.00 to 4.00	
Adiantum Cuneatum	.50 to 1.00	
Asparagus plumosus, Strings	50.00 to 60.00	
Sprays	1.00 to 2.00	
Sprengerl, Sprays	2.00 to 4.00	
Chrysanthemums, ordinary	2.00 to 8.00	
Fancy	12.00 to 35.00	
Lily of the Valley	2.00 to 4.00	
Mignonette	1.00 to 1.50	
Smilax	12.00 to 15.00	
Violets, Ordinary	.25 to .50	
Extra	.75 to 1.00	
Galax	.15 to .25	
Common Ferns	.10 to .20	

FRANK M. ELLIS, WHOLESALE FLORIST, ST. LOUIS, MO.

1316 PINE STREET, LONG DISTANCE TELEPHONE MAIN 2013 M.

THE FINEST OF EVERYTHING IN SEASON. PLENTY OF... SELECT VALLEY and AMERICAN BEAUTIES

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Out-of-town orders for delivery in New York carefully and promptly filled at reasonable prices.

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Take pleasure in calling your attention to their unrivalled collection of Wreaths. Among them are the new Statice or Scotch Heather Wreath, a beautiful green, exquisitely shaded; the Ruscus Wreath, closely resembling a wreath made of Smilax; our well-known Magnolia, Beech and Laurel Wreaths in green and brown foliage, and many others. These Wreaths can be decorated with a bunch of flowers, tied with a bow of ribbon, or dotted with immortelles to give variety and finish. You will find them a paying investment. Address

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who sell direct to Florists, thereby "you save all between profits." You do more—you get the RIGHT RIBBONS for your use—quality, lustre and colors which are correct blends for all flowers and foliage. The Rose and Violet colorings are superb. Write for samples.

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Violet and Rose Foil a Specialty.

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Personal attention given to out-of-town orders for delivery in Pittsburg and vicinity.

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NICOTICIDE, ROSE LEAF EXTRACT,
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LIVE SQUIRRELS, GOLD FISH.
SEND FOR CATALOGUE.

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712 12th St., N. W., WASHINGTON, D. C.

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CLEVELAND.

The business situation here shows a slight change for the better. Cuts are lighter, and an increased demand is felt for all lines, but there is still plenty of stock to fill all orders, and some of it goes at prices that are too low to mention. Most of the stands in Sheriff street market showed some very fine mums on Saturday, but sales were slow, and prices very reasonable.

In the recent death of M. A. Wilhelmy, Cleveland loses one of its oldest florists, he having been engaged in this business for a great many years on Pearl street, opposite Riverside cemetery, where he did a very successful business until about three years ago, when he retired, leaving his sons, C. B. and E. A. Wilhelmy, to carry on the business. The funeral was from his late residence on Saturday afternoon and many beautiful floral pieces were sent by his friends in the trade.

E.

DAYTON, O.—The greenhouse establishment of H. H. Ritter was practically destroyed by fire November 8.

LANCASTER, N. Y.—J. H. Rebstock, of Buffalo, has bought the S. B. Smiley greenhouses and will operate them in connection with his other business.

CHARLEROI, PA.—Theo. J. Allen has recently lost his wife and has leased his establishment to W. R. Maebius, of Warren, Ohio, who will conduct it while Mr. Allen spends the winter at Orlando, Fla. It is an up-to-date range of 14,000 feet of glass. A house 44x100 is planted in carnations, one 24x100 to roses, one 18x100 is given to 'mums and one 12x100 to palms.

CLASSIFIED PLANT ADVERTISEMENTS.

Rates for advertisements under this head, 10 cents a line net, per insertion. New advs. and changes must reach us by Wednesday morning at latest to secure proper classification in issue of Thursday.

ABUTILONS.

Abutilons in variety, 40c doz., \$2.00 100.
R. Vincent, Jr. & Son, White Marsh, Md.

ACALYPHAS.

Acalypha Macaeseana, 40c doz., \$2.50 100.
R. Vincent, Jr. & Son, White Marsh, Md.

ADIANTUM.

ADIANTUM CUNEATUM. A fine lot of heavy 4-inch pot plants, \$1.25 per doz.; \$10.00 per 100.
HENRY A. DREER, Philadelphia, Pa.

AGERATUMS.

Ageratum Stella Gurney and White, 40c doz., \$2.00 100.
R. Vincent, Jr. & Son, White Marsh, Md.

ALTERNANTHERAS.

Brilliantissima, the new alternanthera. The finest of all the varieties. Just what you want if you want the best. \$6 per 100; \$50 per 1000.
A. J. Baldwin, Newark, Ohio.

Alternantheras, 7 varieties, \$2.00 100, \$17.50 1000. R. Vincent, Jr. & Son, White Marsh, Md.

ALYSSUM.

Giant double sweet alyssum, strong rooted cuttings, \$1.00 per 100; 2-in. pots, \$2.00 per 100.
J. A. Keeney, Monongahela, Pa.

Alyssum, double, 2-in., \$2.50 100. Cash.
Converse Greenhouses, Webster, Mass.

AMPELOPSIS.

Ampelopsis Veitchii, 1 to 3 ft., 2-yr., field, transplanted, strong, \$4.00 per 100, \$35.00 per 1000. Honeysuckle, Hall's Japan and Golden, layers, 1 to 2 ft., \$3.50 per 100, \$25.00 per 1000. Cash with order. Walter H. Harrison, 1726 Lindenwood St., Philadelphia, Pa.

100,000 Ampelopsis Veitchii, 1, 2 and 3 years old. Prices on application.
McColgan Bros., Red Bank, N. J.

Ampelopsis Veitchii, 2-yr., 10c; 2nd, size, 5c. Cash.
W. H. Salter, Rochester, N. Y.

ANEMONES.

Anemone Japonica, 10,000 Alba, \$5.00 100; \$45.00 1000. 10,000 Rubra, \$5.00 100; \$45.00 1000. 10,000 Whirlwind, \$5.00 100; \$45.00 1000. 3,000 Queen Charlotte, \$6.00 100; \$50.00 1000. Other perennials, phlox, achillea, iris, monarda, Hemerocallis flava, Clematis paniculata, etc. Write for prices on what you want.
Geo. J. Keller, Rochester, N. Y.

ARAUCARIAS.

ARAUCARIA EXCELSA. Perfect, well-shaped stock.

In. pots.	In. high.	Tiers.	Each.
4	10 to 12	3	\$0.50
6	14 to 16	3 to 4	.75
6	16 to 18	4 to 5	1.00
6	18 to 20	4 to 5	1.25
7	22 to 24	4 to 5	1.50

HENRY A. DREER, Philadelphia, Pa.

Spring importation of Araucaria excelsa, our specialty.

In. pots.	In. high.	Tiers.	Each.
5	10-12	3	\$0.50

5 1/2-6 15-17 very broad .75
Specimens, bushy, 8-in. pots, 25 to 33-in. high, 5 to 6 tiers, \$2.00 to \$2.50 each. Slightly damaged araucarias, 10 to 12-in., 30c each.

Godfrey Aschmann, 1012 Ontario St., Phila.

Araucaria excelsa, fine plants, from 50c upward. Araucaria compacta, fine plants, from \$1.00 upward.
John Bader, Troy Hill, Allegheny City, Pa.

Araucaria excelsa compacta and glauca in all sizes. A postal for price list.

F. H. KRAMER, Washington, D. C.

ARDISIAS.

Ardiasias with berries, in 4-in., \$3.50 per doz.
H. Steinmets, Raleigh, N. C.

ASPARAGUS.

Well-grown Sprenger plants ready for
3-inch\$3.50 100 \$30.00 1000
4 1/2-inch5.00 100 45.00 1000
6-inch10.00 100 85.00 1000

Asparagus plumosus, 2 1/2-in., \$3.50 100, \$30.00 1000; 3-in., \$7.00 100, \$65.00 1000.

S. S. Pennock, 1612 Ludlow St., Philadelphia.

Asparagus Sprenger, \$2.00 per 100. Fine plants.
Wm. Keir, Pikeville, Md.

Asparagus plumosus, 4-in., \$10.00 100. Sprenger, from flats, \$1.00 100, \$5.00 1000; 4-in., \$6.00, 2 1/2-in., \$1.50 100, \$12.50 1000.
S. Whitton, 15 Gray St., Utica, N. Y.

Plumosus nanus, 2 1/2-in. pots, \$3.50 per 100. Sprenger, 2 1/2-in., ready for 3 1/2-in., \$2.00 per 100; \$17.50 per 1000.

JACKSON & PERKINS Co., Newark, New York.

Asparagus plumosus, strong 2 1/2-in., \$3.00 100, \$25.00 1000; Asparagus Sprenger, \$2.00 100, \$15.00 1000. Cash.
G. M. Naumann, Doan St., Cleveland, O.

Asparagus plumosus nanus, 3-in., \$6.00 per 100; \$50.00 per 1000. A. Sprenger, 2 1/2-in., \$18.00 per 1000.
Carl Hagenburger, W. Mentor, Ohio.

ASPARAGUS PLUMOSUS NANUS.

Out strings, 50 cents each.
W. H. ELLIOTT, BRIGHTON, MASS.

Asparagus Sprenger, strong plants, 2 1/2-in., \$3.00; 3-in., \$4.00; 4-in., \$5.00; 5-in., \$15.00; 6-in., \$25.00 100. J. H. Bornhoeft, Tipton, Ind.

Asparagus plumosus, 2-in., \$5.00; 2 1/2-in., \$3.00. Sprenger, 2-in., \$3.50; 3-in., \$5.00; 4-in., \$10.00 100. Geo. A. Kuhl, Pekin, Ill.

Asparagus plumosus, 3-inch pots, \$7.00 per 100. Asparagus Sprenger, 3-inch pots, 50c each.
P. Wagner, Troy Avenue, Flatbush, N. Y.

Asparagus comorensis, extra strong select stock, 3-in., \$10.00 100; 3 1/2-in., \$12.00 100.
F. Dorner & Sons Co., La Fayette, Ind.

Asparagus plumosus 3-in., \$8.00 100. Sprenger, 3-in., \$5.00 100. Just right for pans.
L. H. Foster, Dorchester, Mass.

Asparagus plumosus, strong plants, 3-in., \$5.00 per 100; 3 1/2-in., \$6.00 per 100.
Maurice J. Brinton, Christiansa, Pa.

Asparagus plumosus nanus, 2 1/2-in., fine, \$4.00 100; 4-in. stock at \$8.00 100.
The McGregor Bros. Co., Springfield, O.

Asparagus plumosus, 3-in., 6c; 4-in., 12 1/2c; 6-in., fine, large plants, 25c.
Crown Point Floral Co., Crown Point, Ind.

Sprenger, 2-in., \$1.50; field-grown in 4 and 5-in., \$8.00 and \$12.00 100.
C. Winterich, Defiance, O.

Asparagus Sprenger, 2-inch pots, \$1.50 100. Plumosus, 2-inch, \$3.00 100.
Sherman Nursery Co., Charles City, Ia.

Asparagus plumosus nanus and Sprenger, fine plants, 2 1/2-in., \$3.00 100.
Wm. Stuppe, Westbury Station, L. I., N. Y.

Asparagus Sprenger, large 2-inch, ready for 4-inch, 2c to close out.
Lamprecht Bros., Ashland, O.

Asparagus plumosus, 4-in. pots, \$12.50 per 100. Cash with order.
H. H. BARROWS & SON, Whitman, Mass.

Asparagus Sprenger, 2-in., \$2.00 per 100; \$18.00 1000. Dean Ferris, Peekskill, N. Y.

Asparagus Sprenger, 2-in., ready for 3-in., \$2.00 100. John Brod, Niles Center, Ill.

Asparagus Sprenger, 2-in., \$1.50 100. Cash.
Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2 1/2-in., \$3.50 per 100; \$30.00 per 1000. A. Schmitt, Glenville, O.

Asparagus Sprenger, fine 3-inch stock, \$4.00 100.
National Plant Co., Dayton, O.

Asparagus Sprenger, 2-in., fine, \$1.25 100. White's Conservatories, Sandusky, O.

Asparagus Sprenger, 2 1/2-in., \$2.50 100. Ridge Lawn Greenhouses, Buffalo, N. Y.

Asparagus Sprenger, 2-in., \$1.20 100.
E. I. Rawlings, Quakertown, Pa.

Asparagus Sprenger, 4-in., \$6.00 100.
C. Whitton, City St., Utica, N. Y.

Asparagus plumosus, all sizes.
A. S. MACBEAN, Lakewood, N. J.

AZALEAS.

AZALEAS FOR FORCING. All the standard American varieties, in bushy, well-budded plants.

10 to 12-inch crowns\$4.50 \$35.00
12 to 14-inch crowns6.00 45.00
14 to 16-inch crowns7.50 55.00

HENRY A. DREER, Philadelphia, Pa.

AZALEA INDICA. We have the best American leading varieties, about 12 sorts, that money could buy at lower prices than any firm in America, 35c, 40c, 50c, 75c. Specimens, \$1.00 each by the doz. or 100.

Godfrey Aschmann, 1012 Ontario St., Phila.

HARDY AZALEA MOLLIS for forcing early. A fine lot of very bushy plants, 15 inches high, covered with flower buds, \$4.50 per doz.; \$35.00 per 100. For early forcing this type of azalea is becoming more popular every season.

HENRY A. DREER, Philadelphia, Pa.

Azalea Indica, shipments arriving in fine condition. We are offering only best American market varieties; no cheap assorted "case lots." 10 to 12-inch crowns\$35.00 per 100
12 to 14-inch crowns45.00 per 100
14 to 16-inch crowns55.00 per 100
Storrs & Harrison Co., Painesville, O.

Azalea indica. We have just received a large consignment of the leading varieties for early and late forcing. Write us for list of varieties and prices.
Ozone Park Nurseries, Ozone Park, L. I., N. Y.

BAY TREES.

Bay Trees. Have just received a fine lot of standards and pyramids.
F. W. O. Schmits, Prince Bay, N. Y.

BEGONIAS.

Rex begonias, a number of the best varieties, 2-in., \$4.00 100. Begonia aurea manicata, 2-in., \$4.00 100.
N. O. CASWELL, Delavan, Ill.

Begonias, 6 leading var., including Pres. Carnot, 4-in. pots, \$8.00 100; 3-in., \$5.00 100. Godfrey Aschmann, 1012 Ontario St., Phila.

Begonia rubra, fine plants from 2 1/2-in. pots, ready for shifting, \$3.00 100.
The McGregor Bros. Co., Springfield, O.

Gloire de Lorraine begonias, strong, healthy plants, 2-in. pots, \$12.00 100.
Isaac H. Moss, Govanstown, Md.

Begonia rubra and other good varieties, mixed, 2 1/2-in., \$2.50 per 100.
Iola Greenhouses, Iola, Kan.

Rex begonias, 4-in., \$6.00; 5-in., \$12.00; 2 1/2-in., \$3.00 per 100. W. H. Parsell, Summit, N. J.

Begonia de Lorraine, 2 1/2-in., \$15.00 100; \$140.00 1000. Julius Roehrs, Rutherford, N. J.

Begonias, 3-inch pots, \$5.00 100. Write.
Sherman Nursery Co., Charles City, Ia.

BERRIED PLANTS.

Solanum or Jerusalem cherries, 5 to 5 1/2-in. pots, strong, full of berries, \$1.80 doz.
Godfrey Aschmann, 1012 Ontario St., Phila.

Jerusalem cherries, dwarf, well-berried; 6-in., \$2.25 doz. Cash.
Converse Greenhouses, Webster, Mass.

Celestial peppers, 5-in., \$1.50 doz., \$12.00 100. Oecheln Bros., 1688 W. Madison St., Chicago.

Celestial peppers, out of 4-in., 75c doz., \$5.00 100. J. O. Schmidt Co., Bristol, Pa.

Jerusalem cherries, from 2 1/2-in., \$2.25 100. National Plant Co., Dayton, O.

BOW WOOD.

BOW-WOOD. A pretty lot of bushy plants, about 12 inches high, just right for use in winter window boxes, \$3.00 per doz.; \$20.00 per 100. HENRY A. DREER, Philadelphia, Pa.

BULBS.

SURPLUS BULBS.

Single hyacinths for bedding or forcing, light blue, pink, and pure white, \$2.75 100, \$23.00 1000.

Narcissus Trumpet Major, \$7.50 1000.

Narcissus Von Sion, good forcing grade, \$12.00 1000.

Roman hyacinths, 12-15, \$25.00 1000.

Calla Ethiopica, 5 1/2 to 7-in. circumference, \$3.00 100.

Harrisii Lilies, 5 to 7-in., \$3.50 100.

Parrot Tulips, best mixture, \$7.00 1000.

Chinese Narcissus, per basket 30 bulbs, \$1.25; per bale, 4 baskets (120 bulbs), \$4.25.

STORRS & HARRISON CO., Painesville, O.

Japanese lilies just arrived in splendid condition. Lillium auratum, 8 to 9, 130 to case, 75c doz., \$4.50 100, \$40.00 1000; 9 to 11, 100 to case, 40c doz., \$6.75 100, \$63.00 1000. Lillium speciosum (lancifolium) album, 8 to 9, 200 to case, 75c doz., \$5.50 100, \$50.00 1000; 9 to 11, 100 to case, 90c doz., \$6.75 100, \$63.00 1000. Lillium speciosum (lancifolium) rubrum, 8 to 9, 200 to case, 75c doz., \$5.50 100, \$50.00 1000; 9 to 11, 100 to case, 90c doz., \$6.75 100, \$63.00 1000.

Write for our new wholesale list of flower seeds.

JOHNSON & STOKES, 217-219 Market St., Philadelphia, Pa.

Spiraea japonica12. 100. 1000.

Spiraea compacta mult.50. 3.50. \$28.50

Astilboides flor.75. 4.25. 40.00

Superba1.00. 6.50

Gladiol Colvillei alba10. .05. 5.00

Gladiol rubra12. .75. 6.00

Lil. auratum, rubrum, album, ready now.

H. H. Berger & Co., 47 Barclay st., N. Y.

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CHINESE NARCISSUS, packed in baskets, 30 each, \$1.20 per basket; sales of 4 baskets, 120 in all, \$4.50 per bale. Special prices on lots of 1000 or over.

Stump & Walter Co., 50 Barclay St., N. Y.

Bulbs. A full line on hand, prices cheerfully given. Chinese Sacred lilies, Azalea indica in all sizes and in all leading var., will arrive this week. F. W. O. Schmits, Prince Bay, N. Y.

Zephyranthes, Crinum, Cooperia, Milla, Besera, Yuccas, Agaves, Resurrection plants, Antignon, Seeds, Cacti. Write for prices. William Tell, Austin, Tex.

Longiflorums, Harrisii, freesias, oxalis, callas now ready. Send for our annual trade list of bulbs. W. W. RAWSON & CO., Boston, Mass.

Dutch hyacinths, spireas, and all florists' forcing bulbs. Write J. M. Thorburn & Co., 36 Cortlandt St., N. Y.

Bulbs for forcing and bedding. Best grades only. Write for special prices. W. C. Beckert, Allegheny, Pa.

CACTI.

Cacti. Epiphyllum Russellianum, fine young plants, 50c doz., \$3.00 100. Three sample plants, 20c. Cash. Mrs. M. E. Patterson, Glendale, Cal.

CANNAS.

Having more cannas in the ground than I can store away conveniently, I offer the surplus at a price that will sell them at once. True to name. Good divisions. Don't wait. Souv. d'Antoine Crozy, J. D. Cabos, A. Bouvier, Beaute Poltevine, one cent each; Chicago, President McKinley (a few), Martha Washington, 3 cents each. B. Hains, Winona Lake, Ind.

Owing to a contemplated change I shall not store 100 clumps of Mt. Blanc Canna and about 1000 Roots of the best Cut Flower Dahlias, such as Bruton, Levoni, Storm King, Henry Patrick, Grand Duke Alexis, Mme. Moreau, 20th Century, etc. Write for prices and particulars. Edward Harris, Box 25, Moorestown, N. J.

Cannas, nice clumps. Florence Vaughan, J. C. Vaughan, Egandale, Chas. Henderson, A. Bouvier, Burbank, etc., \$2.00 per 100; \$15.00 per 1000. A. J. BALDWIN, Newark, Ohio.

New canna, WEST VIRGINIA, the best of all the Crozy type; large clumps, \$1.00 per doz. Also Alf. Bouvier. Gus Obermeyer, Parkersburg, W. Va.

20,000 cannas. The leaders. All dug and in fine shape. Write to me for prices. I think I can sell to you. A. B. Campbell, Cochranville, Pa.

Cannas, well-grown clumps of Alemannia, \$2.00 per doz. Cash. Mrs. Joe Hudspeth, Boonville, Ind.

CARNATIONS.

Rooted carnations now ready.

	100.	1000.
Q. Louise...	\$1.20	\$11.00
F. Hill...	1.20	11.00
B.H. Rich'd...	1.00	10.00
Lawson...	1.40	12.50
Crocker...	1.20	11.00
M'n'g Glory...	1.20	11.00
Cresbrook...	2.50	20.00
Mermaid...	1.00	10.00

Cash with order, express paid. THE KNOLL NURSERIES, Penryn, Cal.

Carnation cuttings now ready.

	100.	1000.
500 Fair Maid...	\$3.00	\$25.00
500 Queen...	6.00	50.00
1000 Lawson...	2.50	20.00
500 Enchantress...	6.00	50.00
500 Queen Louise...	2.00	15.00
2000 Morning Glory...	2.00	15.00

Orders booked now for January and February delivery. Orders from parties unknown to us must be accompanied by cash or satisfactory references. The Lewis Conservatories, Marlboro, Mass.

Rooted carnation cuttings.

	100.	1000.
Enchantress...	\$6.00	\$50.00
Lillian Pond...	5.00	40.00
The Queen...	5.00	40.00
Lawson...	3.00	25.00
Prosperity...	3.00	25.00

Cash with order. Larchmont Nurseries, Larchmont, N. Y.

Rooted carnation cuttings.

	100.	1000.
Lillian Pond...	\$5.00	\$40.00
Enchantress...	6.00	50.00
Lawson...	3.00	25.00
Prosperity...	3.00	25.00

S. S. Pennock, 1612 Ludlow St., Philadelphia.

Carnation cuttings from sand, February delivery. 500 Crane, 200 M. Glory, 200 Melba, 200 Prosperity, 200 G. Lord, 1500 Norway, 750 Flora Hill, 250 Scott and 250 Joost. \$1.20 per 100. East Side Floral Co., Minneapolis, Minn.

GOV. WOLCOTT rooted cuttings, \$3.00 per 100, \$25.00 per 1000. Orders booked now for Jan. and Feb. delivery. P. R. De Muth & Sons, Connellsville, Pa.

We are now booking orders for carnation cuttings. All our plants are vigorous and healthy. Write us. Backer & Co., Billerica, Mass.

EXTRA GRADE CUTTINGS.

Correspondence solicited in the matter of supplying extra quality carnation cuttings, rooted to order.

GEO. S. OSBORN, Hartford, Conn.

Two new white carnations for 1904, LADY BOUNTIFUL and The Belle. The two best commercial sorts. Price, \$12.00 100; \$100.00 1000. F. Dörner & Sons Co., Lafayette, Ind.

New carnation, LOUISE NAUMANN. Send in your order now for February delivery. Price: \$1.25 doz., \$8.00 100, \$70.00 1000. G. M. Naumann, Doan St., Cleveland, O.

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12 to 15 inches, seedlings..	.40	3.50
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6 to 12 inches, seedlings... .	.40	3.00	25.00
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4 to 8 inches, seedlings... .	.20	.80	6.00
6 to 14 inches, seedlings... .	.30	1.50	12.00
12 to 18 inches, seedlings... .	.40	3.00	25.00
Catalpa speciosa and Kaempferi, Tea's Japan and Bignonioides, seedlings, large stock of each.	100.	1000.	10000.
4 to 12 inches.....	\$0.20	\$1.50	\$12.00
Catalpas (early frost killed tops),			
2 to 4 feet, seedlings.....	.50	4.00
4 to 6 feet, seedlings.....	1.50	12.50
6 to 10 feet, seedlings.....	7.00
Horse Chestnut,			
12 to 18 inches, seedlings... .	1.00	7.00	65.00
Sweet Gum,			
4 to 6 inches, seedlings... .	.30	1.25	10.00
6 to 12 inches, seedlings... .	.40	3.00	25.00
Sycamore,			
6 to 12 inches, seedlings... .	.40	3.00	25.00
Spanish Oak,			
6 to 14 inches, seedlings... .	.40	3.00	25.00
Silver Maples,			
8 to 16 inches, seedlings... .	.40	3.00	25.00
2 to 4 feet, transplanted... .	1.00	7.00
4 to 6 feet, transplanted... .	2.00	18.00
Russian Mulberry,			
6 to 12 inches.....	.30	1.00	8.00
Black Wild Mulberry,			
4 to 6 inches.....	.20	2.00	18.00
6 to 14 inches.....	.60	5.00	40.00
Walnut,			
Black, 6 to 14 inches.....	.60	5.00	40.00
White, 6 to 12 inches.....	.60	5.00	40.00
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Small collected seedlings for bedding plants,			
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Primula Chinese and **obconica alba** and **rosea**, 2½-in., \$1.50 100. Cash.

Jos. H. Cunningham, Delaware, O.

Primula obconica, 2½ and 3-in., \$2.00 and \$3.00. Cash.

C. F. Krysaske, Sandusky, O.

Chinensis ambriata, 2½-in., \$2.00; 2½-in., \$2.50 100.

M. M. Lathrop, Cortland, N. Y.

Primula obconica, fine 4 and 5-in., \$12.00 and \$20.00 per 100. C. Winterich, Defiance, O.

Primula Chinensis ambriata alba, \$2.50 100.

Storrs & Harrison Co., Painesville, O.

Baby primrose, Forrest, 40c doz., \$2.00 100.

R. Vincent, Jr. & Son, White Marsh, Md.

BUSINESS BRINGERS—

REVIEW Classified Advs.

PRIVET.

California privet, strong, well furnished plants, 2 to 3 ft., \$3.00 per 100, \$25.00 per 1000; 18 to 30-in., well branched and stocked, \$2.00 per 100, \$15.00 per 1000. Light, 15 to 20-in., good, \$1.50 per 100, \$10.00 per 1000. All are above 2 years. Strong 1-yr. plants, 18 to 24-in., 3 or more branches, \$2.00 per 100, \$15.00 per 1000; 15 to 20-in., 2 or more branches, \$1.50 per 100, \$10.00 per 1000. All well graded and packed.

CHAS. BLACK, Hightstown, N. J.

CALIFORNIA PRIVET. 100. 1000.

Two-year, 2½ to 3 ft. \$2.75 \$25.00

Two-year, 2 to 2½ ft. 2.50 22.00

Two-year, 18 to 24 in. 2.00 18.00

One-year, 12 to 18 in., branched. 1.25 10.00

Will contract to make cuttings. .75

All the above grades have been transplanted and cut back, except the one-year.

J. H. O'Hagan, Little Silver, N. J.

CHOICE CALIFORNIA PRIVET.

2-yr., 2 to 3 feet, \$2.50 per 100; \$22.50 per 1,000. See advertisement in Nov. 5th issue.

Atlantic Coast Nurseries, Office 606 4th Ave., Asbury Park, N. J.

80,000 2-year-old privet, well branched; will sell in row or block.

C. RIBSAM & SON, Trenton, N. J.

California privet in several grades. Prices on application.

McColgan Bros., Red Bank, N. J.

ROOTED CUTTINGS.

Rooted cuttings. 100 1000

Coleus, in variety. .60 \$5.00

Double petunias, true to name. 1.25 10.00

Heliotrope, all dark. 1.00 9.00

Feverfew, Little Gem. 1.25 10.00

Ageratum, in four varieties. .60 5.00

Fuchsias, true, from soil. 1.25 10.00

J. E. Felthousen, Schenectady, N. Y.

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ROSES.

Crimson Ramblers, 1500, 2 year, very strong, \$15.00 100; 300 Souper, 1 year, \$7.00 100; 3000 Maman Cochet, 3-in. pots, very strong, pink and white, \$5.00 100; 50,000 roses in 2-in. pots, \$3.00 per 100; \$25.00 per 1000. Hermosa, Souper, Cochet, LaFrance, Perle, Golden Gate, Kaiserin, Crimson Rambler.

J. D. Brennehan, Box 24, Harrisburg, Pa.

American Beauties 200 4-in., \$10.00 100
 Meteors 300 4-in., 7.00 100
 Bridesmaids 50 4-in., 7.00 100
 Balduin 200 2½-in., 4.00 100

Cash or C. O. D.

W. J. & M. S. VESEY, Fort Wayne, Ind.

30,000 H. P. and everblooming or monthly roses on own roots, such as Souper, Hermosa, Cochet, pink and white; Marie Van Houtte, Safrano, etc.; extra strong 2-year-old, field-grown. Also Crimson Rambler for forcing. Ozone Park Nurseries, Ozone Park, L. I., N. Y.

Roses. White Bankzia, Universal Favorite, Manda's Triumph, South Orange Perfection, Crimson Rambler and Yellow Rambler, field-grown, 3 to 4 ft., \$10.00 per 100.

James M. Lamb, Fayetteville, N. C.

Kaiserin roses. Grafted, field-grown, strong plants, \$12.00 per 100. Cash, please. Send 10c for sample. Frank Jencek, Jamestown, R. I.

Rambler roses, scarlet and yellow, 2-yr. old, extra strong, 5 ft. long, \$3.00 per doz.
 A. Wenisch, Williamsbridge, New York City.

Salvias. The two best—St. Louis and Bonfire, R. C., \$1.00 100, \$8.00 1000.
 W. T. Buckley Plant Co., Springfield, Ill.

Roses, fine assortment, all varieties. See displayed adv. or write.
 W. H. Salter, Rochester, N. Y.

700 3-year-old Crimson Rambler roses. Write for price.
 C. L. Reese, Springfield, Ohio.

Manetti stock for fall delivery.

HIRAM T. JONES, Elizabeth, N. J.

RUBBERS.

Ficus elastica, fine, strong plants; 6-in. pots, 20 to 25 inches high, \$4.00 to \$5.00 doz.; 5-in., strong, 25c, \$3.00 doz.
 Godfrey Aschmann, 1012 Ontario St., Phila.

Ficus, 6-in., good plants, 50c.
 Crown Point Floral Co., Crown Point, Ind.

Ficus elastica. Write me.
 L. H. Foster, Dorchester, Mass.

SALVIAS.

Salvias, nice 2½-in. stock, \$2.00 per 100.
 W. H. Parsil, Summit, N. J.

SEEDS.

CALIFORNIA SEEDS. New and rare varieties.
 Flowers. High. Pkt.
 Fremontia californica, yellow.....10 ft. 25c
 *Romneya Coulteri, white.....9 ft. 25c
 *Dendromecon rigidum, yellow.....8 ft. 25c
 *Delphinium cardinale, red.....6 ft. 15c
 Argemone hispida, white.....3 ft. 15c
 Heuchera rubescens, red leaves, flesh. 10 in. 25c
 *Dianthus chrysanthus, gold.....5 ft. 20c
 *Datura Wrighti, purplish.....5 ft. 15c
 Calochortus invenustus, lavender.....2 ft. 15c
 Allium Parryi, rose.....16 in. 15c
 Potentilla gracilis, yellow.....2 ft. 15c
 *Pepper Bush, red berries, white.....30 ft. 10c
 *Tobacco tree, yellow.....15 ft. 10c
 Pentstemon, 3 kinds, red, blue, rosy. 3 ft. 20c
 *White sage, white foliage, white.....7 ft. 10c
 *Black sage, dark foliage, white.....4 ft. 10c
 *Malvastrum Thunbergi, lavender.....9 ft. 15c
 *Astragalus crotolariae, white, procumb.....15c
 Salvia columbariae, blue.....2 ft. 15c
 Dodecatheon lanifolium, lavender.....18 in. 20c
 *Oenothera, 2 varieties, rosy-white, procumb.....25c
 Mentzelia laevicaulis, canary.....3 ft. 20c
 *Helianthus Parishi, yellow.....12 ft. 15c
 *Yucca Whipplei, purplish.....10 ft. 10c
 *Washingtonia robusta, palm, white.....60 ft. 25c
 *Trichostema, "blue-curls" blue.....18 in. 10c
 Phacelia circinata, lavender.....2 ft. 20c
 Aphyllon comosum, brown.....1 ft. 25c
 *Eriogonum fasciculatum, rosy.....3 ft. 20c
 Encelia californica, yellow.....4 ft. 10c
 Antirrhinum Coulterianum, white.....3 ft. 25c
 Vitis californica, grape.....30 ft. 10c
 Convolvulus occidentalis, pink-white.....10 ft. 15c
 *Nogales, native black walnut.....25 ft. 25c
 *Slaymbrim canescens, white.....2 ft. 15c
 *Photos of typical plants, each.....10c
 W. G. WRIGHT, 445 F St., San Bernardino, Cal.

Asparagus Sprengeri, 20c 100, \$1.00 1,000. Shasta daisy, the best paying all around cut flower. 25c 100, \$1.50 1,000. Sweet pea, California grown, all sorts, oz., 5c; ¼ lb., 10c; lb., 25c.

H. H. Berger & Co., 47 Barclay st., N. Y.

Mitchell's Mammoth verbena seed has a national reputation for vigor, size of bloom and vivid colorings. All colors, separate, 30c trade pkt.; ¼-oz., 50c; oz., \$1.50.

H. F. Mitchell Co., Philadelphia, Pa.

Rawson's Arlington tested seeds for florists. Catalogue free.

W. W. RAWSON & CO., Boston, Mass.

New crop Danish-grown cauliflower seed. Orders booked now for fall and spring delivery, direct from grower in Denmark. Write for samples and prices of cauliflower and cabbage seed. Hansen & Co., Box 470, Stamford, Conn.

Asparagus plumosus robustus grows more rapidly, yields more sprays for cutting and is more valuable for florists than other sorts; 100 seeds, \$1.00; 1000 seeds, \$9.00.
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Choice varieties of melon, tomato, cabbage, cucumber, sugar corn, egg plant and pepper seed. Send for list.

Wm. R. Bishop, Burlington, N. J.

Burbank's Shasta daisy seed, new crop, 20c per 100; \$1.25 per 1000; \$9.00 per oz.; ¼ oz. at ounce rate.

Loomis Floral Co., Loomis, Cal.

New crop SWEET PEAS, all standard forcing sorts. Also new Giant Shasta daisy seed.
 Johnson & Stokes, 217-219 Market St., Philadelphia, Pa.

Marsh's pansy mixture for florists, trade packets, only 25c. Choice seed.

Newton Marsh, 25½ E. Main St., Springfield, O.

Kentia Belmoreana and Forsteriana seed, fresh from the tropics, \$4.00 1000.

Wm. Elliott & Sons, 54 Dey St., N. Y.

Wholesale price list of seeds for florists and market gardeners.

W. Atlee Burpee & Co., Philadelphia, Pa.

BUSINESS BRINGERS—

REVIEW Classified Advs.

SMILAX.

Smilax, 2½-in., strong, ready for planting. \$1.00 100; \$8.00 1000.

Buckley Plant Co., Springfield, Ill.

Smilax, large, bushy plants out of 2½-in., \$1.00 100; \$8.50 1000.

J. C. Schmidt Co., Bristol, Pa.

Cut smilax, 6-ft. strings, 10c. To move it quickly.

Chas. Fommert, Amelia, O.

Smilax, 2-in., 75c 100.

E. I. Rawlings, Quakertown, Pa.

STOKESIAS.

Stokesia cyanea. Largest stock of both seeds and plants in the world. Write for circular.
 Southern Floral Nursery Co., Fruitdale, Ala.

UMBRELLA PLANTS.

Umbrellas, nice large plants from 2-in., ready for shifting, \$1.25 per 100.

J. N. Spanabel, East Palestine, O.

Umbrella plants, 2½-in., \$1.50 per 100.

A. B. Campbell, Cochranville, Pa.

VEGETABLE PLANTS.

CABBAGE—Charleston and Jersey Wakefield, Succession and other early varieties, 25c per 100; \$1.00 per 1000; \$8.50 per 10,000.

CELERY—White Plume, Golden Heart, Giant Pascal and other varieties, 25c per 100; \$1.00 per 1000; \$8.50 per 10,000.

PARSLEY—Small plants from seed bed, 25c per 100, \$1.25 per 1000.

LETTUCE—Grand Rapids, Boston Market and Big Boston, 15c per 100; \$1.00 per 1000; \$8.50 per 1000.

Cash with order.

See our flower plant adv. in this issue.

R. VINCENT, JR. & SON, White Marsh, Md.

ASPARAGUS ROOTS. 100,000 Palmetto and 400,000 Onover's Colossal asparagus roots, also 150,000 Barr's Mammoth, all strong, vigorous 2-yr-old roots. Send for price list.

Wm. R. Bishop, Burlington, N. J.

Parsley plants, extra heavy, selected, 25c per 100; \$2.00 per 1,000. Smaller plants, 15c per 100; \$1.00 per 1,000.

Mayer & Son, Willow Street, Pa.

Grand Rapids lettuce, strong plants, \$1.50 per 1000. Curled parsley, strong transplanted plants, 50c per 100 by mail.

J. A. Keeney, Monongahela, Pa.

Follow mums with tomatoes; 2½-in. now ready; Eclipse and our own strain Lorillard, \$2.00 per 100. Cash.

Roney Bros., West Grove, Pa.

Lettuce plants, Grand Rapids, Boston Market and other var., \$1.00 1000, \$8.50 10,000. Large stocky plants. J. C. Schmidt Co., Bristol, Pa.

FORCING TOMATOES. Lorillard and Mayflower, selected stock, 2½-inch pots, \$2.00 100. Cash.

Benj. Connell, West Grove, Pa.

1000 good, stocky Lorillard tomato plants, 2½-in. pots, \$2.00 per 100. Ready now.

A. Keiter Estate, Parker Ford, Pa.

VERBENAS.

Verbenas. 60 finest varieties, perfectly healthy, free from rust. Rooted cuttings, 60c 100; \$5.00 1000; plants, \$2.50 100, \$20.00 1000. Send for circular.

J. L. Dillon, Bloomsburg, Pa.

Lemon verbenas, 2½-in., \$2.50 100.

R. Vincent, Jr. & Son, White Marsh, Md.

VINCAS.

Vinca var., strong, bushy, field-grown, will fill 5-in. or split into 4-in., \$5.00 per 100. Cash.
 Wm. N. Blackmon & Son, Center St., Trenton, N. J.

Vinca var. major, field-grown; none smaller than 5 vines, 2 ft. long, \$3.00 per 100. Cash or C. O. D. DANN & SON, Westfield, N. Y.

Vinca var., field-grown, strong, bushy plants, \$5.00 100. Cash, please.

Godfrey Aschmann, 1012 Ontario St., Phila.

MYRTLE, perfectly hardy. Strong rooted cuttings, 75c 100. S. J. Galloway, Eaton, Ohio.

Vincas, both kinds. Large vines for 5 and 6-in., 3c. Lamprecht Bros., Ashland, O.

Vinca major, 6-in., \$3.00 doz.

L. H. Foster, Dorchester, Mass.

Vinca major and English ivy, \$5.00 100.

Wm. Stuppe, Westbury Station, L. I., N. Y.

The Florists' Manual, by William Scott, is a whole Library on Commercial Floriculture.

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Violets all protected from frost, 2½-in. Campbell and Swanley White, \$1.50 per 100. Swanley White, clumps, \$3.00 per 100; 2nd size, \$2.00 per 100. Small Campbell clumps, \$2.00 per 100. Rooted plants from flats of Princess of Wales and Swanley White, \$1.25 per 100. By mail post paid. The violet grower.

A. B. Campbell, Cochranville, Pa.

5000 California and Luxonne, extra strong field clumps, \$4.00 per 100, \$35.00 per 1000. Carefully packed. Satisfaction guaranteed.

Chas. Zimmer, West Collingswood, N. J.

Princess of Wales violets, field-grown plants, at \$6.00 to \$10.00 per 100; \$60.00 to \$75.00 per 1000.

WM. SIM, Cliftondale, Mass.

Violets, field-grown. Campbell, \$3.00; California, \$4.00 100. Cash.

Converse Greenhouses, Webster, Mass.

MISCELLANEOUS.

Surplus list of best outdoor-grown stock in California. Acacias (4 var.), Mandevilla suaveolens, English wall-flowers; double, mixed hollyhocks, Marie Louise violets, smilax, Asparagus Sprengeri, Sax. sarmentosa. Prices low.
 Gem Nursery, Los Gatos, Cal.

TO EXCHANGE.

To Exchange—Asparagus Sprengeri, \$1.50 per 100; \$12.50 per 1000, 2½-in., for ferns, geraniums, palms, vincas, etc.

Samuel Whitton, Utica, N. Y.

To Exchange—Stock 'mum plants at \$3.00 and \$4.00 100 for carnation plants.

L. Hoebel, Fort Lee, N. J.

WANTED.

Wanted—Cinnamon vine bulbets, gladiolus bulbets, and iris in exchange for tuberoseas, Caladium etc., cannas, dahlias, etc.

Southern Floral Nursery Co., Fruitdale, Ala.

Wanted—20,000 geranium cuttings, not rooted, just the wood for cuttings. Tell me what you have.

J. A. Keeney, Monongahela, Pa.

CUT FLOWER BOXES.

Hunt's LIBERTY Folding Boxes are PURE WHITE, almost waterproof and stronger than any other box on the market. Send for sample. Price no higher than the "cheap-looking" boxes usually sold.

E. H. HUNT, 76-78 Wabash Ave., Chicago.

CUT FLOWER BOXES, the best, strongest and neatest folding cut flower box made.

Livingston Seed Co., Box 104, Columbus, O.

Our box sells on its merits.

Send for sample.

C. C. POLLWORTH CO., Milwaukee, Wis.

Florists' Boxes. The J. W. Sefton Mfg. Co., 241-247 S. Jefferson St., Chicago.

DECORATIVE MATERIAL.

Bouquet green, \$5.00 per 100 lbs. Wreathing, well made, light, \$2.50; medium, \$3.25; heavy, \$4.25 per 100 yards. Cash or bank recommendations. Xmas trees. Write for price list.

Joseph Bancroft & Son, Cedar Falls, Iowa.

Stock from the Berkshire Hills. Hardy cut fancy and dagger ferns, sphagnum moss, laurel, bouquet evergreens, festooning, wreaths, spruce and hemlock boughs. Satisfaction guaranteed. Write

H. J. SMITH, Hinsdale, Mass.

Holly, with and without berries; laurel and cedar branches; green sheet moss, and sphagnum moss. All goods A No. 1 in quality.

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Oldest dealer in the United States in hardy cut fancy and dagger ferns. Write for prices.

L. B. BRAGUE, Hinsdale, Mass.

California peppers, large bunches, bright red, 50c lb., \$3.00 for 10 lbs. Sample 20c. Cash.

Mrs. M. E. Patterson, Glendale, Cal.

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DECORATIVE MATERIAL—Con.

Fancy and dagger ferns, laurel festooning, ground pine, sphagnum moss, etc.
Crowl Fern Co., Millington, Mass.

Fancy and dagger ferns, laurel festooning, leucothoe sprays, bouquet green, etc.
H. M. Robinson & Co., 11 Province St., Boston.

Holly and green, Xmas trees, mistletoe, etc. We handle only the best.
W. W. Barnard & Co., 161 Kinzie St., Chicago.

Leucothoe sprays, fancy ferns, green sheet moss, sphagnum moss, etc.
L. J. Kreshover, 110 W. 27th St., New York.

Fancy and dagger ferns, evergreens, etc. Good stock, low prices.
A. J. Fellouris, 468 Sixth Ave., New York.

Galax, ferns and leucothoe sprays are our specialties. N. Lecakes & Co., 53 W. 28th St., N. Y.

Leucothoe sprays, \$2.00 1000. Galax, 50c 1000.
C. L. Howe, Banners Elk, N. C.

For southern wild smilax write
Caldwell The Woodsman Co., Evergreen, Ala.

EVERYTHING FOR FLORISTS.

Write for quotations on your wants to
E. F. WINTERSON CO.,
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Send us your name and address and we will mail you postpaid a large package of Walker's Excelsior Plant Food for trial, and also a large display card.
Flower City Plant Food Co., Rochester, N. Y.

Pure pulverized sheep manure and unleached hardwood ashes. Send for sample and price.
J. L. Elliott, South Bethlehem, Pa.

Pure sheep manure, dried, pulverized and unpulverized. Write.
Montana Fertilizer Co., Elgin, Ill.

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Wax Flowers and Wax Floral Designs.
J. Stern & Co., 1928 Germantown Ave., Phila.

GALAX LEAVES.

Bronze and green galax leaves, postage prepaid, 75c per 1000. Small green leaves for violets. H. H. Hill, Victoria, Macon Co., North Carolina.

Galax leaves, 75c 1000. Picked by our own men in Banners Elk, N. C.
O. L. Howe, Dover, N. H.

Galax leaves. All orders receive personal and prompt attention.
C. W. Burleson & Son, Linville, N. C.

Galax, bronze or green, and small green galax for violets.
L. J. Kreshover, 110 W. 27th St., New York.

GALAX LEAVES. Bronze or green.
A. J. Fellouris, 468 Sixth Ave., New York.

GALAX LEAVES, green or bronze.
N. Lecakes & Co., 53 W. 28th St., New York.

GALAX LEAVES, green or bronze.
Crowl Fern Co., Millington, Mass.

GALAX LEAVES, green or bronze.
H. M. Robinson & Co., 11 Province St., Boston.

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White Rock glass, superior to any made as to temper, brilliancy of surface, etc. Quick shipments direct from factory. Low rate to florists. Small orders will receive careful attention. Write.
White Rock Glass Co., Du Bois, Pa.

Large stock of greenhouse sizes on hand. Write for prices; no order too large for us to handle, no order too small to receive our careful attention.
Sharp, Partridge & Co., 22d and Union, Chicago, Ill.

We carry the largest stock of American and imported glass in this country. Glass for greenhouses is our specialty.
Pittsburgh Plate Glass Co., Pittsburgh, Pa.

We make a special greenhouse putty. Price on application. Lord & Burnham Co., Irvington-on-Hudson, N. Y.

French glass for direct shipment from abroad. Write for quotations.
Semon Bache & Co., 7, 9, 11 Lait St., N. Y.

Greenhouse glass, paint and putty are our specialties. Casper Limbach, Pittsburg, Pa.

Greenhouse glass a specialty. Sprague, Smith Co., 205 Randolph St., Chicago.

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Van Reyper's glazing points, mastic and machines.
Edw. S. Schmid, 712 12th St., N. W., Washington, D. C.

Siebert's zinc "Never-rust" glazing points. Sold by all seedsmen, or C. T. Siebert, Pittsburg, Pa.

The "Model" glazing point. Zinc. Practical. Durable.
Parker Bruen Mfg. Co., Harrison, N. J.

Peerless glazing points are the best.
H. A. Dreer, Philadelphia, Pa.

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Gold fish, squirrels, etc. Send for catalogue.
E. S. Schmid, 712 12th St., N. W., Washington, D. C.

Gold fish. Price list now ready.
Chas. Pommert, Amelia, O.

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Bull-dog hose, 7 ply, guaranteed; 1/2-in., 16c ft.
U. Cutler Ryerson, Newark, N. J.

Good Hose. J. G. & A. Esler, Saddle River, N. J.

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Use SULPHO-TOBACCO SOAP and have clean, healthy plants. Sample free cake if you mention The Florists' Review.

LARKIN SOAP CO., Buffalo, N. Y.

Send for a 5-lb. trial pkg. of our TOBACCO POWDER. Our booklet tells of it. Write Dept. D for it.

H. A. Stoothoff Co., 116 West St., New York.

NICOTICIDE kills all greenhouse pests.
Sold by all seedsmen.

Tobacco stems, fresh, strong; bales 300 to 500 lbs., 75c 100. U. C. Ryerson, Newark, N. J.

LABELS.

Tree and plant labels.
Williams & Sons Co., Manufacturers,
Batavia, Ill.

PAINTS.

PATTON'S SUN-PROOF PAINT is the best paint made. We are the sole distributors. Write us.

Pittsburgh Plate Glass Co., Pittsburgh, Pa.

POTS.

Standard Pots. We are now ready to supply a superior quality of pots in unlimited quantities. Catalogues and price lists furnished on application.

A. H. Hews & Co., North Cambridge, Mass.

Standard Flower Pots. If your greenhouses are within 500 miles of the Capital, write us; we can save you money. W. H. Ernest, 28th and M Sts., N. E., Washington, D. C.

Flower Pots. Before buying write us for prices. Geo. Keller & Son, 361-363 Herndon St. (near Wrightwood Ave.), Chicago.

Those RED pots. The right kind.
C. C. POLLWORTH CO., Milwaukee, Wis.

Red pots. Write for prices and sample pot.
Colesburg Pottery Co., Colesburg, Iowa.

SPHAGNUM MOSS.

Fresh and clean, 5 bbl. bale, \$1.25; 3 bales, \$3.25; 5 bales, \$5.00. 2 1/2 bbl. bale, 75c; 10 bales, \$5.00. H. R. Akers, Chatsworth, N. J.

Sphagnum moss. Write for prices on large quantities. Crowl Fern Co., Millington, Mass.

Sphagnum moss. Write for prices.
H. M. Robinson & Co., 11 Province St., Boston.

RAFFIA.

We carry a large assortment of colored raffia grass on hand for immediate shipment.
R. H. Comey Co., Camden, N. J.

TIN FOIL.

American brand FLORIST FOIL—The standard foil of America.
John J. Crooke Co., 155 Ave. D, New York.

TOOTH PICKS.

Wired toothpicks, 10,000, \$1.50; 50,000, \$6.25. Sample free. For sale by dealers.
W. J. COWEE, Berlin, N. Y.

Wired toothpicks, box of 10,000, \$1.50.
W. W. Barnard & Co., 161 Kinzie St., Chicago.

WIRE SUPPORTS.

Model Extension carnation supports and galvanized rose stakes. Parker-Bruen Mfg. Co., 208 Jersey St., Harrison, N. J.

Model Extension carnation supports; also galvanized rose stakes and tying wires.
Igoe Bros., 226 North 9th St., Brooklyn, N. Y.

Excelsior carnation supports. In use 10 years. Write
H. F. Littlefield, Worcester, Mass.

WIRE WORK.

We are the largest manufacturers of wire work in the west. E. F. Winterston Co., 45, 47, 49 Wabash Ave., Chicago.

Wire work of all kinds for florists. Send for price list.
Wm. Murphy, 130 E. 3d St., Cincinnati, O.

We are manufacturers — no middleman's profits.
C. C. POLLWORTH CO., Milwaukee, Wis.

Emil Steffens, Manufacturer of Florists' Wire Designs. 335 East 21st St., New York.

Reed & Keller, 122 W. 25th St., New York. Manufacturers of Wire Designs.

E. H. Hunt, 76-78 Wabash Ave., Chicago.

PACIFIC COAST.

SANTA CRUZ, CAL.—W. E. King will have a good cut of asparagus for Christmas.

MENLO PARK, CAL.—M. Lynch has some very large chrysanthemums, Western King being the largest among the whites. Outside bloom is early this season.

ELMHURST, CAL.—A. Massey has just put in a new heater. His stock is in extra fine form, carnations especially. Estelle, Enchantress, Cressbrook, Hill and Prosperity are the varieties grown. His Prosperity are grand and sold last winter at \$1.25 per dozen.

SAN FRANCISCO—Ferrari Bros. have just completed a new engine house of concrete and installed three new steam boilers, in all 200 horse-power, oil burners. They are now receiving from Europe large shipments of bulbs and other stock. At the greenhouses of John H. Sievers & Co. the orchids are beautiful now. So are the carnations. Hanna Hobart holds her own, but Adolph Spreckels is right after her. Both are aristocrats. The former will make her debut in 1905, the latter will be held in subjection longer. Another new house has just been completed at this place. Cox & Co. have a fine lot of Australian tree seedlings in great varieties. They appear to be very successful in handling this stock.

SOUTHERN CALIFORNIA.**Carnations.**

Redondo, famed for its fine carnations, is about to increase its output. A company is being formed that will put in thirty acres, so by this time next year the stores of Los Angeles will be better supplied than in the past.

The Redondo Floral Co. has several acres planted from which blooms are cut the whole year, which is not possible anywhere except in southern California. This company also has two houses, each 15x200, planted to carnations, and doing well.

Henry Flieder, who made the carnations of Redondo famous, has his acres in fine shape, and is cutting fine blooms. He is still adding to his prosperity and popularity among the craft.

Mr. Wolfskill, another Redondo grower, has moved to Los Angeles where he has built several houses which he has planted to carnations that are coming along in grand shape under the skillful handling of Mr. Joe Watson, which goes to prove that carnations can be grown under-glass just as well in Los Angeles as in San Francisco or New York.

The Ocean Park Floral Co. is another firm growing out of door carnations on a large scale. Their gardens are located at Santa Monica, where the climate and soil is the same as at Redondo.

The difference in soil is so great that carnations cannot be as successfully grown in Los Angeles as in Redondo in the open field. The Redondo soil is hard to describe and it is harder to understand how it can have the vitality which it certainly has. It contains no clay, or even what you might call loam. It resembles sea sand except that it is dark brown in color. Its value lies in the fact that it is composed of minute particles

of sea shells. When taken in the hand it makes one think he is handling corn meal. But it will grow anything that is planted in it and it can be worked any day in the year. It can be flooded with water and a few hours later can be spaded, plowed or cultivated. But around Los Angeles the soils are too heavy for carnations and need good stable manure and sand to lighten them up.

San Diego is another good carnation growing country, and a good field for investment in that line. There is practically no frost and plants grow 365 days in the year. Poinsettia, stephanotis, Bignonia venusta, bougainvilleas, etc. do as well in the open air in San Diego as they do in stove houses elsewhere.

The Los Angeles stores are looking well. Carnations, roses and chrysanthemums are the principal flowers at present. Business was never better and the city never more prosperous. The number of new buildings in course of construction is amazing, and the prophecy of a city of 250,000 by 1910 seems destined to be realized.

H. B.

SAN FRANCISCO.

The Market.

We have had a drizzling rain for the past few days and it is playing havoc with outside stock, much to the delight of the rose and carnation growers, who, by the way, have not fared any too well the way prices have been for the last month. Business is quiet all around and stock is moving very slowly. Chrysanthemums are still as plentiful as ever and can be had at the lowest prices imaginable. Violets seem at last to be really plentiful and the wholesale price has fallen from \$1 to 75 cents per dozen bunches, during the last two days. Carnations are selling as follows: Portia, Joost and Scott, 15 to 20 cents per dozen. Flora Hill, Crocker and Estelle 20 to 25 cents per dozen. Lawson and Prosperity at 25 to 30 cents per dozen and fancy stock at 3 dozen for \$1. I look for these prices to rise somewhat during the next week if the weather continues unfavorable. Roses are getting somewhat scarcer and good Beauties are in very short supply at present. They are bringing from \$1.50 to \$2 per dozen wholesale today and short stems at about half that price. Brides and Maids sell at from 50 cents to 75 cents, according to quality. Kaiserin and Testout are holding their own at about the same price. Souv. du Pres. Carnot are worth 75 cents and Liberty 50 cents per dozen. The best inside white chrysanthemums sell today at from \$1 to \$1.50 per dozen, and best yellow varieties at about the same figure. Outside grown flowers of the same size, but of course not of as fine texture or length of stem, can be had at from 25 cents to 50 cents per dozen, and smaller flowers at from \$1 to \$1.50 per hundred.

Smilax is very plentiful and brake ferns are getting longer of stem. Valley is not plentiful and is quickly bought up.

Notes.

It is rumored that Mayor Schmitz will appoint William J. Dingee, a son of the founder of the Dingee & Conard Co., a park commissioner. Mr. Dingee has done a great deal for horticulture in California, and for many years his grounds near

500,000 Rooted Carnation Cuttings Now Ready.

TRANSPLANTED AT SAME PRICE.

White.				Scarlet.			
	Per 100	Per 1000	Per 5000		Per 100	Per 1000	Per 5000
Queen Louise	\$1.20	\$11.00	\$50.00	G. H. Crane	\$1.40	\$12.50	\$50.00
Flora Hill	1.20	11.00	50.00	America	1.20	11.00	50.00
Alba	3.40	30.00	125.00	Estelle	1.50	14.00	65.00
Wolcott	3.40	30.00	125.00	Mrs. Palmer	1.50	14.00	65.00
Los Angeles	3.00	25.00	100.00	Apollo	3.50	50.00	125.00
Norway	1.20	11.00	50.00	Adonis	7.00	65.00	300.00
Lillian Pond	6.00	50.00	225.00	Crimson.			
White Cloud	1.20	11.00	50.00	Harlowarden	\$5.00	\$45.00	\$200.00
Pink.				Gov. Roosevelt	1.20	11.00	50.00
Lawson	\$1.40	\$12.50	\$50.00	Gen. Gomez	1.20	11.00	50.00
Marquis	1.20	11.00	50.00	Yellow.			
Genevieve Lord	1.20	11.00	50.00	Golden Beauty	\$1.75	\$16.00	\$75.00
Argyle	1.20	11.00	50.00	Eldorado	1.20	11.00	50.00
Mrs. Joost	1.20	11.00	50.00	Gold Nugget	1.50	14.00	65.00
Mermaid	1.20	11.00	50.00	Variegated.			
Guardian Angel	1.20	11.00	50.00	Violanla (4-inch bloom)	\$12.00	\$100.00	\$450.00
Mrs. Higinbotham	2.50	20.00	90.00	Marshall Field	5.00	45.00	200.00
Cressbrook	2.50	20.00	90.00	Tiger (Fancy)	5.00	45.00	200.00
Mrs. Roosevelt	6.00	55.00	250.00	Stella	3.00	25.00	100.00
Enchantress	6.00	55.00	250.00	Bradt	1.75	15.00	70.00
Success	5.00	45.00	200.00	Armazindy	1.20	11.00	50.00
McKinley	6.00	55.00	250.00				
Triumph	1.20	11.00	50.00				
Wm. Scott	1.20	11.00	50.00				

25 at 100 rate.

250 at 1000 rate.

2500 at 5000 rate.

Unrooted Cuttings at half price.

TERMS:—Spot Cash. No discount given, no matter how large the order. We prepay express charges at above figures to your city. If on arrival they are not satisfactory return at once and money will be returned at once: we cannot vary from these terms.

California Carnation Co., Lock Box 103. Loomis, Cal.

Mention the Review when you write.

STRONGLY ROOTED CARNATIONS -- Now Ready.

NOVELTIES of 1903

	100	1000
Harlowarden, crimson	\$5.00	\$45.00
Marshall Field, red and white variegated	5.00	45.00
Lillian Pond, white	6.00	55.00
Enchantress, light pink	6.00	55.00
President McKinley, pink	6.00	55.00
Success, pink	5.00	45.00
Adonis, rich scarlet	7.00	65.00
Mrs. Theodore Roosevelt, pink	6.00	55.00

INTRODUCTIONS, 1902

	100	1000
Cressbrook, light pink	\$2.50	\$20.00
Gov. Wolcott, white	3.40	30.00
Alba, white	3.40	30.00
J. H. Manley, scarlet	3.50	30.00
Apollo, brilliant scarlet	3.50	30.00
Gaiety, white striped scarlet	3.00	25.00
Stella, variegated white	3.00	25.00
Viola Allen, white	3.00	25.00

The above prices are what the plants will cost you delivered. We pay express charges and guarantee satisfaction.

LOOMIS FLORAL CO. LOOMIS, CAL

Mention Review when you write.

Piedmont Springs were among the show-places of Alameda county.

Mrs. G. P. Thomas, of Ocean View, is cutting violets in large quantities at present. She has a large trade both in this city and Oakland.

A suit for a breach of promise is now on trial between Miss Lanagan and David Neely, one of San Francisco's pioneer florists, but now a resident of Berkeley. Miss Lanagan asks for \$25,000 as a balm to her wounded feelings.

G.

ST. PAUL.

With plants still in flower in the open ground and with the greatest crops of indoor bloom ever known, it is no wonder that trade has been a little dull and flowers have gone to waste. The stores have all been filled to overflowing and, while sales have been fairly good, they could easily have been doubled without exhausting the supply. Roses are especially abundant and of fine quality. Carnations are also coming in quite freely, though there is no apparent glut in the market. Violets have suffered somewhat from the warm weather. Even 'mums are hanging their heads.

Last week the annual flower show was on and every one was busy.

ROOTED CARNATIONS NOW READY

	100	1000
Queen Louise, white	\$1.20	\$11.00
Flora Hill, white	1.20	11.00
Bon Homme Richard, white	1.00	10.00
Mrs. Thos. Lawson, pink	1.40	12.50
Ethel Crocker, pink	1.20	11.00
Morning Glory, pink	1.20	11.00
Cressbrook, pink	2.50	20.00
Mermaid, pink	1.00	10.00
Mrs. Higinbotham, pink	1.40	14.00
G. H. Crane, scarlet	1.40	12.50
Mrs. Potter Palmer, scarlet	1.50	14.00
Estelle, scarlet	1.50	14.00
Eldorado, yellow	1.20	11.00
Gold Nugget, yellow	1.00	10.00
Prosperity, variegated	1.40	12.50
Mrs. Bradt, variegated	1.00	10.00

Cash with order, express paid.

THE KNOLL NURSERIES, PENRYN, CAL.

A. S. Swanson has opened a fine store on East Sixth street. Wm. Speth, formerly of Philadelphia, is in charge. His daily window is a very good advertisement and quite a study in artistic arrangement.

E. F. Lemke, who has been on the sick list for several weeks, is attending to business once more.

Chris Hansen is out again after several weeks confinement by sickness.

N. C. Hansen is cutting some extra fine carnations, including Enchantress, Gov. Wolcott, Queen Louise, Lawson, Bradt and other fancy sorts.

Mr. and Mrs. J. A. May are in New York city.

X. Y. Z.

OMAHA.

The Market.

Trade, generally speaking, for the past week was very good. While everything sold well, there was a special demand for Beauties and chrysanthemums. The week was marked by the demise of several prominent people, and the debut of the daughters of several equally prominent families. Chrysanthemums, of course, are the leader and Omaha has seen some grand blooms with plenty more coming. Nothing in the newer varieties is seen, but it seems the ones we have could scarcely be improved upon.

Roses have been a trifle backward, the effects of our very wet autumn, but are now rounding into excellent shape. Carnations, too, are making great advancement, and the indications are the winter will produce the finest flowers we have ever seen.

Notes.

Alfred Donaghue, Jr., will open a modern store at Sixteenth and Farnam streets, about November 25. Mr. Donaghue, having no glass of his own, will draw on his father, who has greatly increased his plant this summer.

The annual meeting of the Nebraska Florists' Society was held November 12. Election of officers was the order for the evening. Vice-president S. R. Falconer was elected to succeed J. J. Hess, as president. Wm. Ellsworth was elected as vice-president. George H. Swoboda was given a second term as treasurer and Jno. H. Bath succeeded Lewis Henderson as secretary. The retiring president and secretary, with George Sorenson, were made trustees. B.

MOBILE, ALA.—Fred Ravier, of C. Ravier & Sons, was married October 28. Trade was good here All Saint's day, with plenty of 'mums and roses. Outdoor stock is still in good shape November 10.

DAHLIAS

25 leading varieties, all under name, guaranteed true, including the best sorts in cultivation, such as Clifford W. Bruton, A. D. Livoni, Nymphaea, Lemon Giant, Fern Leaf Beauty, Snow Owl, White Swan, Frank Smith, etc.

We offer **HEAVY FIELD CLUMPS**, JUST AS DUG, \$5.00 per hundred; \$45.00 per thousand.

THE DINGEE & CONARD CO.

WEST GROVE, PA.

Mention the Review when you write.

CHRYSANTHEMUM

STOCK PLANTS.

Halliday, Coombes, Adrian, Robinson, Cadbury, Chadwick, Yanariva, K. C. Star, 10c. Alice Byron, Mrs. F. J. Tranter, splendid new whites; F. J. Taggart, new hairy yellow; Goldmine, 15c. 50 to 75 varieties, in small quantities. Prices on application. No order filled for less than \$2.00.

W. A. CHALFANT, Springfield, Mo.

Mention the Review when you write.

Peacock's
....Dahlias

For plants or bulbs address

W. P. PEACOCK,

Dahlia Specialist. ATCO, N. J.

Mention the Review when you write.

Carnation Cuttings.

WELL ROOTED.

READY NOW.

	Per 100	Per 1000
Enchantress, light pink.....	\$6.00	\$50.00
Harlowarden, crimson.....	6.00	50.00
Her Majesty, white.....	5.00	45.00
Lillian Pond, white.....	5.00	45.00
Pres. McKinley, dark pink.....	5.00	45.00
Sybil, dark pink.....	5.00	40.00
Dorothy Whitney, yellow.....	6.00	50.00
Gov. Wolcott, white.....	5.00	40.00
Alba, white.....	5.00	40.00
Estelle, scarlet.....	3.00	25.00
Mrs. T. W. Lawson, dark pink.....	2.50	20.00
Mrs. Higginbotham, light pink.....	4.00	30.00
Prosperity.....	2.50	20.00

New Varieties for
JANUARY Delivery:

Crusader, best scarlet.....	\$10.00	\$80.00
Flamingo, fancy scarlet.....	12.00	100.00
White Lawson, pure white.....	12.00	100.00
Reliance white.....	10.00	80.00
Moonlight, white.....	10.00	75.00
Lady Bountiful, white.....	12.00	100.00

Send for price list of above and other varieties.

Chicago Carnation Co., Joliet, Ill.

Mention the Review when you write.

Kentia Belmoreana!

Pots.	Leaves.	Height.	Per 100	Per 1000
2½-in.....	4 to 5.....	18 to 20 in.....	\$10.00	\$ 85.00
3-in.....	4 to 6.....	20 to 24 in.....	15.00	115.00
4-in.....	.....	.....	20.00	160.00

Asparagus Plumosus.

2½-in. pots.....	\$3.50 per 100	\$30.00 per 1000
3-in. pots.....	7.00	65.00

Sprenger Plants,

Well grown, ready for

3 -inch pots.....	\$3.50 per 100	\$30.00 per 1000
4½-inch pots.....	5.00	45.00
6 -inch pots.....	10.00	85.00

Rooted Carnation Cuttings.

Lillian Pond.....	\$5.00 per 100	\$40.00 per 1000
Enchantress.....	6.00	50.00
Lawson.....	\$3.00 per 100	\$25.00 per 1000
Prosperity.....	3.00	25.00

Delivery December 1st.

SAMUEL S. PENNOCK,

1612 Ludlow St., Philadelphia.

Mention the Review when you write.

NEW CHRYSANTHEMUM

STOCK PLANTS.

Yellow—H. Sinclair, Mrs. J. J. Mitchell, Sephia, H. W. Buckbee, F. J. Taggart. White—Convention Hall, Globosa Alba, Mrs. R. W. Smith. Pink—Minnie Bailey, Algoma, Ethelyn, Columbia, R. E. Richardson, Amorita, Modesto, Uwanta.

The above 25c each. \$2.50 per dozen. Oresco, Bentley, Iolantha, Bruant, Lady Harriet, Robert Halliday, 15c each, \$1.50 per dozen, \$10.00 per 100. Bonnation, Ivory, Pink Ivory, Willow Brook, Pacific, Polly Rose, Mrs. J. Jones, 10c each, \$1.00 per dozen, \$6.00 per 100; 25 plants of one variety at 100 rate.

H. WEBER & SONS, Oakland, Md.

Mention the Review when you write.

We want you to know

that we have a bargain for you better than gold mine stock.

Smilax—2-in., 75c per 100.

Asparagus Sprenger—2-in., \$1.20 per 100.

E. I. RAWLINGS, Quakertown, Pa.

Mention the Review when you write.

Primroses...

Chinese and Obconica, alba and rosea, 2½-inch pots.....	\$1.50 per 100
Asparagus Sprangeri, 2-in. pots. 1.50	
Pansy Plants, \$3.00 per 1000.....	.50
Oash.	

JOS. H. CUNNINGHAM, - Delaware, Ohio.

Mention the Review when you write.

Remember that the

Enchantress

Is of the "Daybreak" shade, the color most in favor with the general public.

Rooted Cuttings Now Ready.

\$6.00 per 100; \$50.00 per 1000.

ALSO

Lillian Pond,

THE GRAND WHITE.

\$5.00 per 100; \$40.00 per 1000.

READY NOW.

The Queen,

\$5.00 per 100; \$40.00 per 1000.

LAWSON, \$3.00 per 100;

PROSPERITY, \$3.00 per 100;

STRICTLY CASH WITH ORDER.

Larchmont Nurseries,

LARCHMONT, N. Y.

Mention Review when you write.

CHRYSANTHEMUM

STOCK PLANTS.

Ready for immediate shipment—White Fitzwygram, Yellow Fitzwygram, Opah, Willowbrook, Omega, Monrovia, Lady Harriet, Halliday, R. H. Pearson, Vivand-Morel, Robinson, Col. Appleton, Timothy Eaton, Fee du Champsaur, at \$8.00 per 100.

Yellow Eaton, Marie Liger, Louis Leroux, Mlle. M. Douillet, Columbia, Berlios, Marian Newell and Baden Powell at \$10.00 per 100.

Glory Pacific, Polly Rose, Ivory, Dalskov and Parr, at \$5.00 per 100.

ROSE PLANTS.

200 4-inch American Beauties.....\$10.00 per 100
300 4-inch Meteors..... 7.00 per 100
50 4-inch Bridesmaids..... 7.00 per 100
200 2½-inch Balduins..... 4.00 per 100

Boston Ferns—7-inch, \$1.00 each; 8-inch, \$1.25 each; 9-inch, \$1.50 each. CASH OR O. O. D.

W. J. & M. S. VESEY, FT. WAYNE, IND.

75,000
Geranium Cuttings.

Our cuttings this fall are perfection. Order now and secure the best stock of the only ones to grow for profit. Jean Viand (pink), S. A. Nutt (crimson), Alp. Ricard (scarlet), Mme. Buchner (white), Mrs. E. G. Hill, Beaute Polvine (salmons), all semi-double, strong rooted cuttings, \$1.25 per 100; \$12.00 per 1000.

Petunias—Double fringed, 12 varieties selected from Henderson's and Dreer's latest sets, including **Snow Storm**, strong rooted cuttings, \$1.00 per 100; \$9.00 per 1000.

Salvia—The two best, St. Louis and Bonfire, rooted cuttings, \$1.00 per 100; \$8.00 per 1000.

Smilax—Strong plants from 2½-inch pots, \$1.00 per 100; \$8.00 per 1000. Samples gladly sent.

Carnations—First grade blooms, all leading sorts, \$3.00 per 100.

THE W. T. BUCKLEY PLANT CO.

SPRINGFIELD, ILL.

Mention Review when you write.

STOCK CHRYSANTHEMUMS. White—Kalb, Queen, Ivory, Bergmann, Robinson, Willowbrook; Pink—Pacific, J. K. Shaw, Maud Dean; Yellow—Whildin, Wedding at \$5.00 per 100. Mrs. Chamberlain, Eaton, White Bonnation, \$7 per 100. Other fine var. later. Strong 3 in. Bride Roses, \$4 a 100. W. H. GULLETT & SONS, LINCOLN, ILL.

Mention the Review when you write.



DREER'S GOLDEN PANDANUS

PANDANUS SANDERI

IF YOU have not yet secured a supply of this grand new Decorative Plant, not only the finest of all the Pandanus, but the most important addition to our list of Foliage Plants in many years, you should do so at once. The plant is of strong rapid growth, making a finished plant in one-third less time than Veitchii. It is rich in color throughout the winter months, and being much harder than Veitchii it can be recommended to your retail customer for house decoration.

We offer for immediate delivery:

Strong Plants, in	3-inch pots	each, \$	0.75
"	4-inch	"	1.00
"	6-inch	"	2.00
Beautiful Specimens, in	7-inch	"	3.50
"	8-inch	"	7.50
"	10-inch	"	10.00
"	12-inch	"	15.00
"	15-inch tubs	"	25.00

HENRY A. DREER, 714 Chestnut Street, Phila.

TWO NEW WHITE CARNATIONS FOR 1904 Lady Bountiful and The Belle.

Strong and healthy growers. Earliest and most productive of all White Carnations. The two best commercial sorts.

\$12.00 per 100; \$100.00 per 1000.
2500 at \$95.00 per 1000; 5000 at \$90.00 per 1000

Asparagus Comorensis,

Extra strong select stock. 3-inch, \$10.00 per 100; 8 1/2 inch, \$12.00 per 100.

F. DORNER & SONS CO.,
LA FAYETTE, IND.

CARNATION CUTTINGS

We are now booking orders for Carnation Cuttings. All orders will be filled strictly in rotation as received. Send in your orders at once and get the early plants.

We have the following varieties from which we can supply cuttings and will sell at the market prices for good stock:

Enchantress	Fair Maid	The Queen
Boston Market	Gov. Wolcott	Eldorado
Bradt	Prosperity	Manley
R. Sheppard	Adonis	Joost
Lawson	Harlowarden	
Harry Penn	Fragrance	

All our plants are vigorous and healthy and having the best facilities for rooting we are prepared to fill large or small orders.
Long Distance Telephone.

BACKER & CO., Billerica, Mass.

Mention Review when you write.

New Carnation..... LOUISE NAUMANN

DON'T MISS to send your orders in for February delivery. \$1.25 per doz; \$8.00 per hundred; \$70.00 per thousand.

G. M. NAUMANN,

Doan Street, CLEVELAND, OHIO.

Mention the Review when you write.

WHEN YOU WANT Engravings made

send us Photos or clippings from other catalogues and let us reproduce them. We make the cuts for the Florists' Review.

DEARBORN ENGRAVING CO.,

300-306 Dearborn St., CHICAGO.

Mention the Review when you write.

100,000 SMALL FERNS.

NEPHROLEPIS PIERSONI, strong plants 2 1/2-inch pots, \$3.00 per doz.; \$22.00 per 100
NEPHROLEPIS ANNA FOSTER, strong plants, 2 1/2-inch pots, 75c per doz.; \$6.00 per 100

PRIMROSES. **OBSCURICA GRANDIFLORA, ALBA,**
ROSEA, FIMBRIATA, \$3.00 per 100; \$25.00 per 1000
Cash.

OECHSLIN BROS., 1688 W. Madison St., Chicago.

Mention the Review when you write.

Clematis, Hardy Shrubs ROSES, Etc.

Buy now and get first choice of stock. Prices will be higher and stock not so select in the spring. If not planted now these hardy plants keep well trenched in the open ground, and will be ready in spring when wanted.

Clematis—Finest large-flowered sorts, purple, white, lavender, red, etc. 2-year 18c, 1-year 9c.
Clematis Paniculata—Extra fine, 14c, 2-year 6c, second size 4c.

Ampelopsis Veitchii—2-year, fine, 10c, second size 5c.

American Ivy—2-year, fine, 8c.
Iris Japanese—8c.

Roses—Assorted H. P. varieties—Coquette des Alpes, Jules Margottin, Gen'l Jacqueminot, etc. Also Crimson and Yellow Rambler, Queen of Prairie, and the newer trailing roses. 2-year, first size 12c, second size 7c.

Clothilde Soupert—Finest pot rose grown. 2-year 10c, second size 7c.

Crimson Rambler—XXX selected long canes for forcing, 7c.

Hydrangea Pan. Grand.—Finest hardy shrub; bushy plants, 10c; fine tree-shaped specimens, very handsome, 25c.

Golden Glow—Most popular perennial, 5c.

Hardy Phlox—Choice varieties 10c.

Peonies—In fine assortment, 12c. Deutzias, including Lemoinei and Gracilis, Altheas, Weigelas, Honeysuckles, Spiraeas, Japan Quinces, etc. Best sorts and sizes 10c. Also California Privet, Fruit and Ornamental Trees, etc. Careful attention to large or small orders, with expert packing, which is free, and light as consistent with safety. Cash, please.

W. H. SALTER, Rochester, N. Y.

Mention the Review when you write.

500,000 Verbenas

60 FINEST VARIETIES.

Perfectly Healthy. Free from Rust.

Rooted Cuttings, 60c per 100; \$5.00 per 1000
Plants.....\$2.50 per 100; \$20.00 per 1000.

Our list is the choice of millions of seedlings.

SEND FOR CIRCULAR.

J. L. DILLON, Bloomsburg, Pa.

Mention the Review when you write.

'MUMS

Stock Plants

Pacific,	Ivory,
Bergmann,	Pink Ivory,
Opah,	Vivian-Morel,
Polly Rose,	Mary Hill,
Estelle,	Mrs. Perrin,
Willowbrook,	Maud Dean,
Mrs. Murdock,	Harry Parr,
Timothy Eaton,	Black Hawk,
Mrs. Jerome Jones,	Pluma,
Mrs. Robinson,	Chas. Davis,
Mrs. Bassett,	Mrs. E. D. Smith,
Col. Appleton,	Adula,
Golden Wedding,	Lavender Queen,
Mrs. Chadwick,	White Bonaffon,
Major Bonaffon,	Mrs. Constable,
Golden Beauty,	Price \$5 per 100

Cash with order. For sale by

THE LIVINGSTON SEED CO.

Columbus, Ohio.

Mention the Review when you write.

Mum Stock Plants.

Strong Plants—carefully packed. Omega, finest early yellow and Geo. S. Kalb, the choicest early white, at \$5.00 per 100; 75c per doz. The following standard sorts at \$1.00 per 100; 60c per doz.:—Bonaffon, White Bonaffon, Robinson, Modesto, Childs, Glory of Pacific, Polly Rose, Ivory, pink and white; Montmort, Wanmaker, Appleton and E. A. Parr. About 1000 2-in. Spranger left, ready for 3-in. pots, at \$1.00 per 100. We are headquarters for CARNATION, MUM and STEVIA CUTTINGS in season.

JOHN BROD, Wholesale Florist, NILES CENTER, ILL.

Mention Review when you write.

PROVIDENCE, R. I.

The Exhibition.

The Rhode Island Horticultural Society held its annual chrysanthemum exhibition November 12 and 13. The two principal exhibits were by Farquhar Macrae and his brother, John A. Macrae. This year John rather led his elder brother by taking almost all the first prizes, Farquhar taking about all the second places. This is quite a turnover, as it has been the other way the past ten years. Howard Almy had a fine vase of twenty-five Timothy Eaton. E. J. Johnston had three of the finest vases of Eaton, Balfour and Jones, twenty-five each, receiving first prize on the Jones, which were especially fine. Wm. Appleton put up a very neat showing of palms and foliage plants, getting a special prize. Wm. Hill, private gardener, also put up a fine showing of foliage and chrysanthemum plants. There were some very good roses and carnations shown by the Messrs. Macrae; also violets. There were a good display of fruits, preserves, jellies and honey. The attendance was poor.

The Florists' Club of Rhode Island held its regular monthly meeting November 12, nominating officers and appointing committee on annual banquet to be held at the January meeting.

The Market.

Business has been dull so far this fall, no large decorations and only a little funeral work. The weather has been too balmy for good business. There is a abundance of all kinds of good flowers. Plants go slowly. The department stores offer sword ferns, rubbers and palms from 19 to 89 cents, no choice stock, however; it's a good outlet for such stock. We look forward to Thanksgiving for a starting point for good business for the winter.

Notes.

Eugene McCarron reports good business in funeral work and landscape work.

T. J. Johnston and his foreman, E. G. Brooke, Jr., visited New York and the great show the past week. R. I.

BEGONIA

Gloire de Lorraine

Strong, healthy plants, in 2-inch pots, \$12.00 per 100.

Hardy English Ivy,

Strong, 3-inch pots, \$5.00 per 100; \$40.00 per 1000.

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STOCK MUMS, \$3.00 per 100.

Delivered as soon as flowers are cut.

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J. LOUIS LOOSE, Washington, D. C.

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The Pierson Fern.

(NEPHROLEPIS PIERSONI.)

A full stock of this beautiful novelty in splendid condition.

6-inch pots, \$1.00 each. 8-inch pots, \$1.50 each.

Write for quotations on other plants.

Hugh Graham, 104 S. 13th St. Philadelphia, Pa.

BOSTON FERNS.

4-inch.....\$2.00 per doz. \$16.00 per 100 | 6-inch.....\$6.00 per doz. \$50.00 per 100
5-inch.....3.00 25.00 | Larger sizes up to..... 5.00 each.

KENTIA Belmoreana. FINE STOCK.

3-in., 10 to 12 in. high, 4 to 5 leaves.	Doz. 100	Each Doz.
4-in., 14 to 16 " 5 to 6 "	\$2.00 \$15.00	\$1.25 \$15.00
5-in., 20 to 22 " 5 to 6 "	4.00 30.00	2.25 23.00
	Each Doz.	3.00
	\$.75 \$7.50	6.50

Send for complete illustrated price list, mailed free.

THE GEO. WITTBOLD CO., 1657 Buckingham Place, CHICAGO

Geraniums, Etc.

From 2 1/4-inch pots. GOOD STOCK. Not less than FIVE of any one variety sold.

Alternanthera, 7 varieties, \$3.00 per 100; \$17.50 per 1000. Per doz. Per 100
Abutilon in variety..... 40c 2.00
Acalypha Macaefeeana..... 40c 2.00
Ageratum, Stella Gurney and white. 40c 2.00
Baby Primrose, "Primula Forbesii"..... 40c 2.00
Coleus, 10 varieties..... 40c 2.00
Chrysanthemums, Hardy Pompons, over 60 varieties. Orders booked now for spring delivery. Send for list.
GERANIUMS, double, single and scented, in good variety, young, healthy stock..... 40c 2.00
Grasses, Eriarthus Ravennae, Eulalia Striata, Gracillima Unvittata and Japonica Zebrina..... 5 01
Hardy English Ivy..... 2.00
Hardy English Ivy, rooted cuttings. 75
Holt's Mammoth Sage..... 40c 2.00
Lemon Verbena..... 2.50
Lantanas, 10 varieties..... 40c 2.00
Parlor Ivy..... 40c 2.00
Pilogyne Suavis..... 50c 2.50
Strobilanthes Dyerianus..... 50c 2.50
Swainsona Alba..... 40c 2.00
Roses..... 40c 2.00
Tritoma Pfitzeri, 3 1/4-inch pots..... 75c 4.00
Uvaria, 2 1/4-inch pots..... 60c 2.50

Notice our Vegetable Plant advertisement in this issue. Cash with order please. Write for prices on large lots for future delivery. Send for Trade Price List.

R. VINCENT, JR. & SON,

WHITE MARSH, MD.

Mention The Review when you write.

S. S. SKIDELSKY,

708 North 16th Street,

Philadelphia, Pa.

CORRESPONDENCE SOLICITED.

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WE MUST HAVE ROOM.

Double Alyssum 3-in., \$2.50 per 100. Hydrangeas, field-grown, 8 to 12 flowering shoots. \$15.00 per 100. Jerusalem Cherries, dwarf, bushy, well berried, 6-in. pots, \$2.25 per doz. 500 Wm. Scott Carnation Plants, from field, make me an offer for the lot; or \$3.50 per 100. Boston Ferns, very bushy, 5 in. pots, \$2.50 per doz.; 6-in., \$4.00 per doz. English Ivy, field-grown, \$4.00 per 100. Violets, field-grown, large plants, California \$1.00; Campbell \$3.00 per 100. Cash please. Converse Greenhouses, Webster, Mass.

LOOK! SEE WHAT I BOUGHT AND BROUGHT HOME with me from EUROPE.

Only a little money needed to take advantage of my purchase. AZALEA INDICA. We have the best American leading varieties, about 12 sorts, that money could buy at lower prices than any firm in America—5c, 40c, 50c 75c. Specimens \$1.00 each, by the doz. or 100.

Spring Importation of Araucarias.

Araucaria Excelsa our specialty—5-inch pots, 10 to 12 inches high, 3 tiers. 50c each. 5 1/4 to 6-in. pots, 15 to 17 inches high, very broad, 75c each. 6-in. pots, 4 to 5 tiers, 17 to 20 inches high, 80c, 90c to \$1.00 each. Specimens very bushy, broad, 8-inch pots, 25 to 33 inches high, 5 to 6 tiers, \$2.00 to \$2.50 each.

Have a lot of slightly damaged Araucarias, 10 to 12-inch, 50c each.

Ficus Elastica, Rubber Plants (have 2000), fine, strong plants, 6-in. pots, 20 to 25 inches high, \$4.00 to \$5.10 per doz. 5-in. pots, strong, 25c each; \$3.00 per doz.

Kentia Forsteriana, 6-in. pots 30 to 33 inches high, 75c to \$1.00 each. Belmoreana, 5 1/4-in. pots, 25 to 28 inches high, 75c. Fine bushy plants, 5 leaves, 20 to 25 inches high, 10c. to 60c. each. Kentia Forsteriana and Belmoreana, 4-inch pots, 15 to 18 inches high, 10c. each.

Araucaria Lutescens, 4-in. pots, 15 to 18 inches high, 10c. each.

Boston Ferns, 6-inch pots, very strong, 25 to 30 fronds to a plant, from 30 to 35 inches high, 75c. each. 7-inch pots, \$1.00 each.

Ferns (for fern dishes), finest varieties, 2 1/4 inch pots, \$5.00 per 100.

Primula Chilensis, for Xmas blooming, all colors. 5-in. pots, \$1.80 per doz.; 6-inch, \$2.00 per doz.

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Dracaena Lineata, new, strong plants, 50c each. Dracaena Bruanti, just right plants for stores, ballrooms, parlor, butcher shops, saloons, etc., 25 inches up, 6-inch pots, 40c each; per doz., \$4.50.

Solanum or Jerusalem Cherries, 5 to 5 1/4-in. pots, strong, full of berries, \$1.80 per doz.

Vinca Variegata and English Ivy, field-grown, large plants for 4-in. pots, only \$5.00 per 100.

Begonias, six leading varieties, including Pres. Carnot, 4-inch pots, \$3.00 per 100; 3-inch, \$3.00 per 100.

Daisies white and yellow, for Easter, 2 1/4-inch pots, \$3.00 per 100.

Heliotropes, 2 1/4-inch, for benches or pots \$3.00 per 100.

Hydrangea Otaksa, pot-grown only. This is the only kind that forces for Easter 6-inch pots, strong, bushy, ready, for 7-inch, 25c. or \$2.00 per 100; 5-inch, \$15.00 per 100.

Chrysanthemum Stock. Col. Appleton, 40c per doz.; Bonnafon, Queen, Halliday, \$3.00 per 100.

Cash with order please. Plants are shipped at purchaser's risk. Please state if pots are wanted.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Pot Plants,

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Trees.**



Special attention paid to
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Write for price list and
terms.

Also, Wholesale Dealer in
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Bouquet Green, Sphagnum Moss, etc

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If Not, Why Not? Over ^{Three} ^{Million} in use

Our Catalogue can be had for the asking.
It tells why you should use them.

The Parker-Bruen Man'g Co. Inc.,
206-8 Jersey St., HARRISON, N. J.

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BOSTON FERNS.

2 1/2-in.. \$1.00; 3-in.. \$8.00; 4-in.. \$15.00; 5-in.. \$25.00;
6-in.. \$40.00; 7-in.. \$30.00; 8-in.. \$75.00 per 100.

PIERSONI FERNS, young plants from
bench, \$ 5.00 per 100; 2 1/2-in.. \$20.00 per 100; 4-in..
50c each; 5-inch, 75c each. Also bench-grown
Boston, in all sizes. All stock extra fine.

Cash with order.

DAVIS BROS., Geneva, Ill.

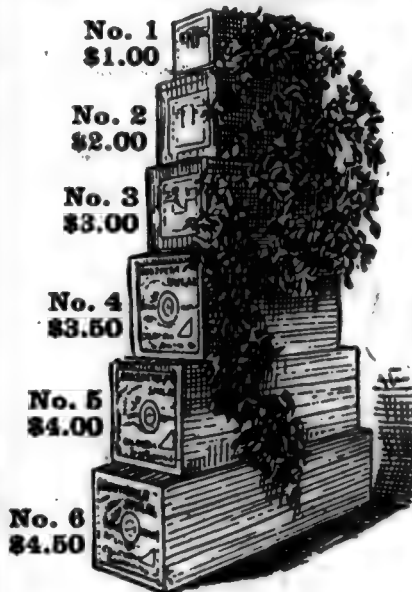
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ORCHIDS.

We offer a fine lot of Cattleya Dowiana in
sheath and bud. Importations expected
of Dendrobium nobile, D. densiflorum, Cy-
priopidium insignis, C. hirsutissimum,
Cattleya gigas and C. trianae.

Lager & Hurrell, Growers and Importers... Summit, N. J.

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Caldwell's Quality Brands
Southern WILD SMILAX.

Terms—Cash with orders
from unknown correspondents.

**And we will
do it again!
What?**

**WHY-- FILL ALL OF
YOUR ORDERS
AT ALL TIMES**

So will our Agents:

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LEO NIESSEN, Philadelphia. **H. G. BERNING,** St. Louis, Mo
J. M. McCULLOUGH'S SONS, Cincinnati, Ohio.

A full supply always on hand at these
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of carriage.

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Wild Smilax **ALWAYS On Hand.**

Also PLUMOSUS, SPRENGERI, ADIANTUMS,
GALAX AND LEUCOTHODES.

RED BERRIES ALWAYS ON HAND.

We are Growers of **HIGH-GRADE CUT FLOWERS.** All orders promptly filled.
Consignments solicited.

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A FINE LOT OF FERNs,

Assorted Varieties, in 2 1/2
and 3-inch pots, \$2.00 per 100.

Wagner Park Conservatories
SIDNEY, OHIO.

Mention the Review when you write.

W. E. FURNELL, SNOW HILL, MD.

Dealer in Holly in barrels, fine quality, \$1.50; Holly
in cases 2x2x4 ft., small branches, selected, \$3.75; cases
2x2x4 ft., good holly, \$3.75; cases 2x2x4 ft., selected, \$3;
cases 2x2x8 ft., long branches, selected, \$6.50 a case;
5 cases, \$35. Green Holly, without berries, dark green
foliage, 2x2x4 ft. case, \$2. Green Sheet Moss, large thin
pieces, bbl., \$1.50; 5 bbls., \$6.25. Green Sphagnum Moss
for orchid culture, etc., \$1.25 per bbl. Green Laurel
branches, 2x2x4 ft. case, selected, \$2.00 per case. Cedar
branches with berries, 2x2x4 ft. case, \$3.00 per case.

Cash or satisfactory reference from unknown parties

TORONTO.

The Market.

The past week has been making quite a stir so far as the floral trade is concerned. Though general sales cannot be stated as much above the average, yet our two large department stores made quite a display during the week. They held what they called "floral shows," lasting three days each. Much comment has been made by our retail florists generally, upon these two shows, and while it is not for me to comment upon the respective merits of these exhibits, I would say that I believe the shows had a good effect upon the trade generally. These two large concerns, with unlimited means of advertising, did more to bring flowers generally before the buying public than the average retail florist does in a lifetime.

Notes.

The Toronto Horticultural Association held a chrysanthemum show November 17 and 18, of which, of course, at time of writing we can say nothing, but that preparations look favorable for a good exhibit.

We hear that a new flower store is to be opened on King street by a Toronto lady. The location is in the neighborhood of our two largest cut flower dealers.

J. S. Simmons is sporting another new wagon, which eclipses anything hitherto seen in the trade in Toronto and in fact it is doubtful if there is a delivery wagon in any line of business in the city that will compare with it.

W. J. Lawrence is now cutting his first good roses this season. "W. J." kept his houses in late and supplied the market with fine stock during June and July, consequently he was late in coming in this fall.

D. J. Sinclair has just received into stock a large shipment of German baskets.

D. J.

CANAJOHARIE, N. Y.—The Yates Floral Co. is erecting a conservatory 10x40.

100 PER CENT. PROFIT

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SULPHO-TOBACCO SOAP

(PATENTED.)

KILLS ALL INSECT LIFE.

Fertilizes and Invigorates Flowers, Plants, Shrubs, etc. Prices low.

WE HELP YOU SELL IT.

Full particulars and sample cake free, if mention this paper.

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AMERICAN FLOWER and TREE TUB.



Made from Everlasting CYPRESS

Various sizes, green or natural finish. Castings black.

Feet and bolts packed in side tubs for shipment.

We also have the neatest Plant Stand on the market.

Send for Catalogue C905.

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APHIS....PUNK

DEATH TO THRIPS

Green and Black Fly

and all Greenhouse Pests

Specially prepared paper thoroughly saturated with **PURE NICOTINE**

Can be **EASILY** used

POSITIVELY EFFECTIVE

FREE FROM AMMONIA

Will not injure **any** greenhouse plants.

1 Box (12 Rolls).....\$0.60

1 Case (12 Boxes)..... 6.50

MANUFACTURED ONLY BY

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E. H. HUNT, 76-78 Wabash Ave., CHICAGO

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TO KILL ALL
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USE

"NICOTICIDE"

CLEAN AND HARMLESS

— AS —

Fumigant or Spray.

To be obtained of dealers only. Kindly advise manufacturers of any difficulty you may have in procuring it.

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The lightest running, most rapid and powerful Ventilating Machine in the market.

The DUPLEX GUTTERS,

Made of wrought or cast iron, with self-adjusting sash bar clips.

The only DRIP PROOF GUTTERS made.

Send for catalogue—free.

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GREENHOUSE BUILDING.

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FOR YOUR GREENHOUSE



No. 200

Send for catalogue and prices.

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WATERPROOF. Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

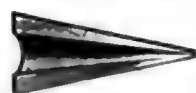
Size No. 0....	3x4	x20...	\$3.00 per 100; \$19.00 per 1000
" No. 1....	3x4 1/4	x16...	1.90 " 17.50 "
" No. 2....	3x6	x18...	2.00 " 19.00 "
" No. 3....	4x8	x18...	2.50 " 23.00 "
" No. 4....	3x5	x24...	2.75 " 26.00 "
" No. 5....	4x8	x24...	3.00 " 28.50 "
" No. 6....	4x8	x28...	3.75 " 36.00 "
" No. 7....	6x16	x30...	5.50 " 54.00 "
" No. 8....	8x7	x31...	8.00 " 78.00 "
" No. 9....	6x10	x35...	6.50 " 62.00 "
" No. 10....	7x20	x30...	7.50 " 67.00 "
" No. 11....	8 1/4 x5	x30...	3.00 " 28.50 "

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Box 104.

"IT BEATS THEM ALL."

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GLAZING POINT.



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Zinc. Practical. Durable.

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Western Agent, Vaughan's Seed Store, Chicago.

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(Inc.) Mfg. Model Extension Carnation Support.

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PULVERIZED. Write for prices.**

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GROWERS ALL OVER THE COUNTRY WRITE SIMILAR LETTERS

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Yours truly,
C. BARSON.

BATH, ME.
We use your Fumigating Powder and we are never troubled with aphids; it does not harm the blooms in the least, and we find it the cheapest way to fumigate—and we have tried everything that is on the market.
Yours truly,
JOHN H. RAMSEY & CO.

NORTHAMPTON INSANE HOSPITAL, MASS.
After using your Fumigating Powder I must say that in fifteen years' experience with various methods of killing aphids, I find this the most effectual and economical method I have yet tried.
Yours respectfully,
GEORGE W. THORNILY.

BAYSIDE, N. Y.
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Yours truly,
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free sketches
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Challenge Ventilating
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Illustrated
Catalogue.

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Manufactured by

W. J. COWEE, BERLIN, N. Y.

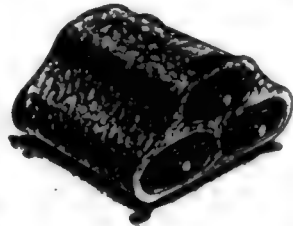
10,000...\$1.50; 50,000...\$6.25. Sample free.
Write only by dealers.

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INSURANCE of your PLANTS FROM
FREEZING in cold weather
may be obtained at trifling cost if you will use a

LEHMAN WAGON HEATER

There is no danger of fire; no smoke, dirt or gases to injure the plants. They burn Lehman Coal which costs less than half a cent per hour. 200,000 Lehman Heaters are in use which clearly shows they have merit. Florists everywhere use and recommend them. Have you one? Write for circular telling more about them.



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General Western Sales Agent,

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EVERY
DESCRIPTION



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Washes all sizes of pots, clean as new, about as fast as you can handle them.
Strong plants are only grown in clean pots. Send for description.

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EXTENSION
CARNATION SUPPORT.

ALSO GALVANIZED
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Endorsed by all the leading
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Write for prices and circulars.

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G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

530-535 Caxton Building,

834 Dearborn Street, Chicago.

NEW YORK OFFICE: 201 West 135th Street.
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Subscriptions accepted from those in the trade only.

Advertising rates: Per inch \$1.00; 1/4 page, \$15; full page, \$30. Discounts: 6 times, 5 percent; 13 times, 10 percent; 26 times, 20 percent; 52 times, 30 percent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Wednesday morning to insure insertion in the issue of the following Thursday, and earlier will be better.

Entered at the Chicago post-office as mail matter of the second class.

This paper is a member of the Chicago Trade Press Association.

INDEX TO ADVERTISERS.

This index covers only those having displayed advertisements. There is a host of others making offers in our classified ads. and they will be found there under their proper headings.

Allen, J. K.1095
Am. Wooden Ware Co.1112
Amling, E. O.1099
Aschmann, Godfrey 1110
Bache, Semon & Co. 1115
Baker & Co.1109
Baker, W. J.1093
Ball, C. D.1098
Barnard & Co.1099
Bassett & Washburn.1098
Bayerdorfer & Co.1072-99
Beckert, W. C.1091
Beneke, J. J.1099
Bentley & Co.1096
Berger, H. H. & Co. 1073
Bernheimer, E.1098
Berning, H. G.1097
Blackstone, Z. D.1098
Bonnot Bros.1094
Bowe, M. A.1098
Bradshaw & Hartman Co.1094
Brague, L. B. 1099-96-1111
Brant & Noe.1096
Brant, S. D.1099
Breitmeyer's Sons.1098
Brod, J.1109
Bruna, H. N.1096
Buckley Plant Co.1108
Budlong, J. A.1096
Burleson & Son.1095
Burpee, W. Atlee & Co.1091
Caldwell Co., W. E. 1114
Caldwell The Woodman Co.1111
California Carnation Co.1107
Century Flower Shop.1098
Chalfant W. A.1108
Chicago Carnation Co.1109-1108
Clarke Bros.1098
Clarke's Sons, David 1098
Classified Ads.1100
Colflesh, J. W.1092
Coney Co., R. H.1091
Converse Greenhouses.1110
Cottage Gardens.1093
Cowee, W. J.1113
Crowl Fern Co.1094
Crooke Co., J. J.1099
Cunningham, J. H. 1108
Cushman Gladiolus Co.1091
Davis Bros.1111
Dearborn Engraving Co.1109
Dickinson Co., Albert.1091
Dietsch, A. & Co.1116
Diller, Caskey & Co. 1114
Dillon, J. L.1109
Dillon Greenhouse Mfg. Co.1115
Dingee & Conard 1108
Dorner, F. & Sons 1109
Dreer, H. A.1109-15
Dunn & Co., C. A.1093
Dunne & Co.1072
Eickholt, Mrs. Chas 1099
Elliot, J. L.1113
Ellis, F. M.1097
Finley, C. E.1113
Florists' Hall Asso. 1114
Foley, J. J.1089
Foley Mfg. Co.1113
Ford Bros.1095
Foster, L. H.1089
Garland, Geo. M.1116
Garland, Frank 1096-1111

Peacock, W. P.1108
Pennock, S. S.1092-1103
Perkins, J. J.1095
Peterson Nursery.1090
Philadelphia Wholesale Flower Market 1097
Pierce Co., F. O.1116
Pierson Co., F. E.1099
Pierson-Saunders Co. 1116
Pine Tree Silk Mills 1099
Pittsburg Cut Flower Co.1092
Pittsburgh Plate Glass Co.1116
Poehlmann Bros.1096
Pollworth Co.1111
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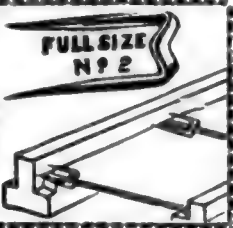
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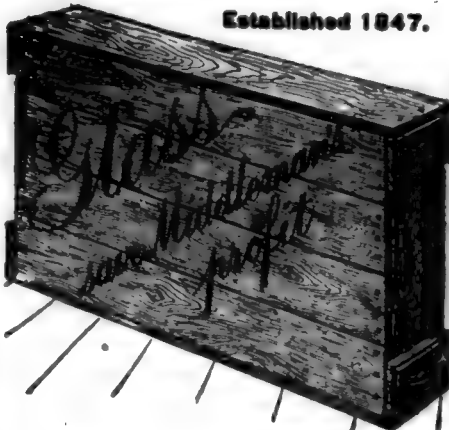
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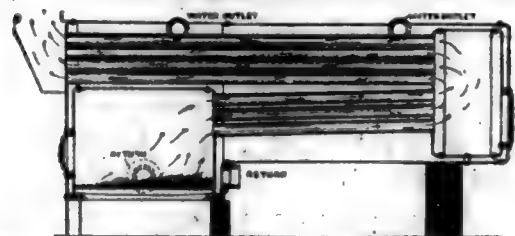
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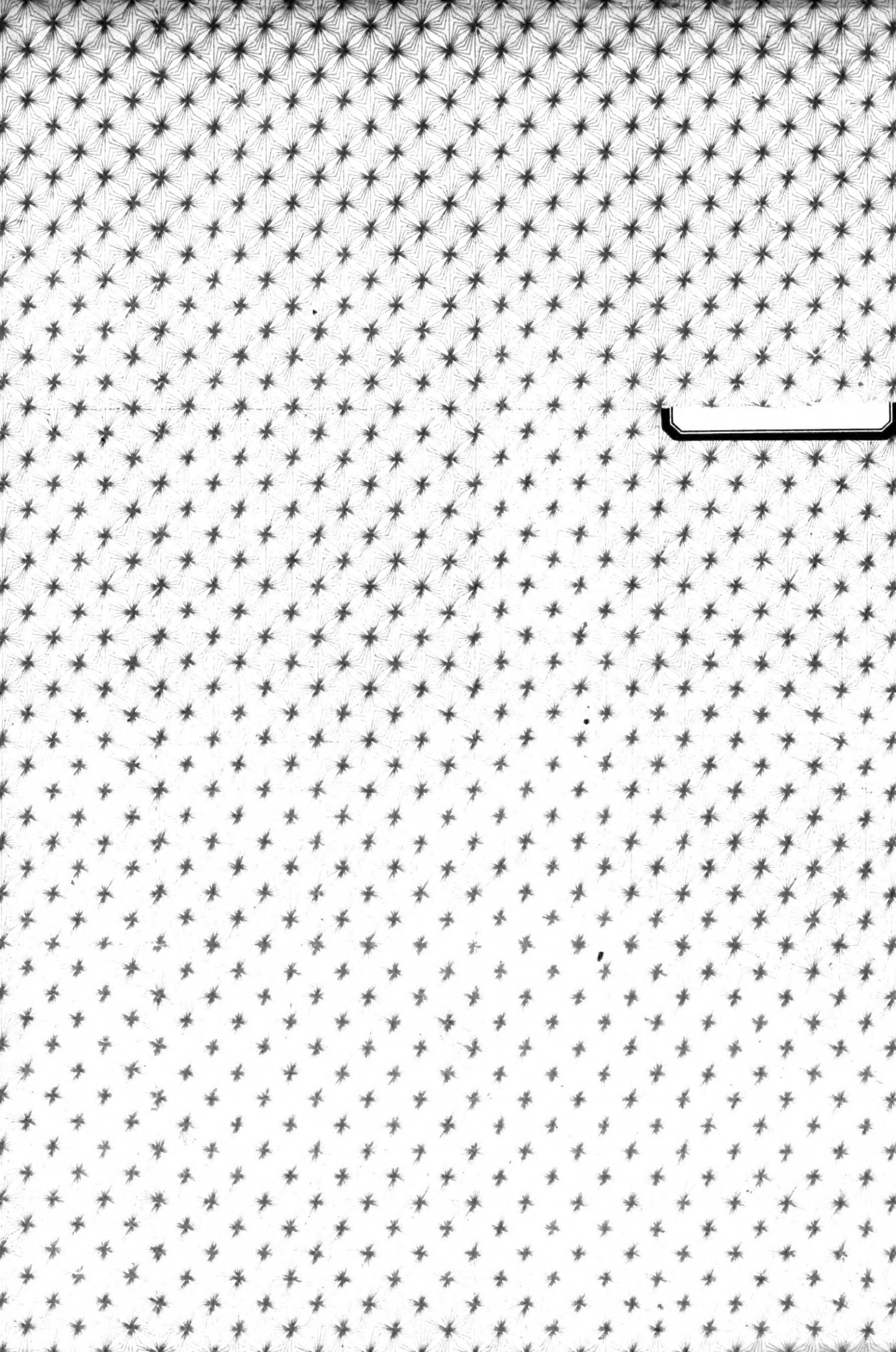
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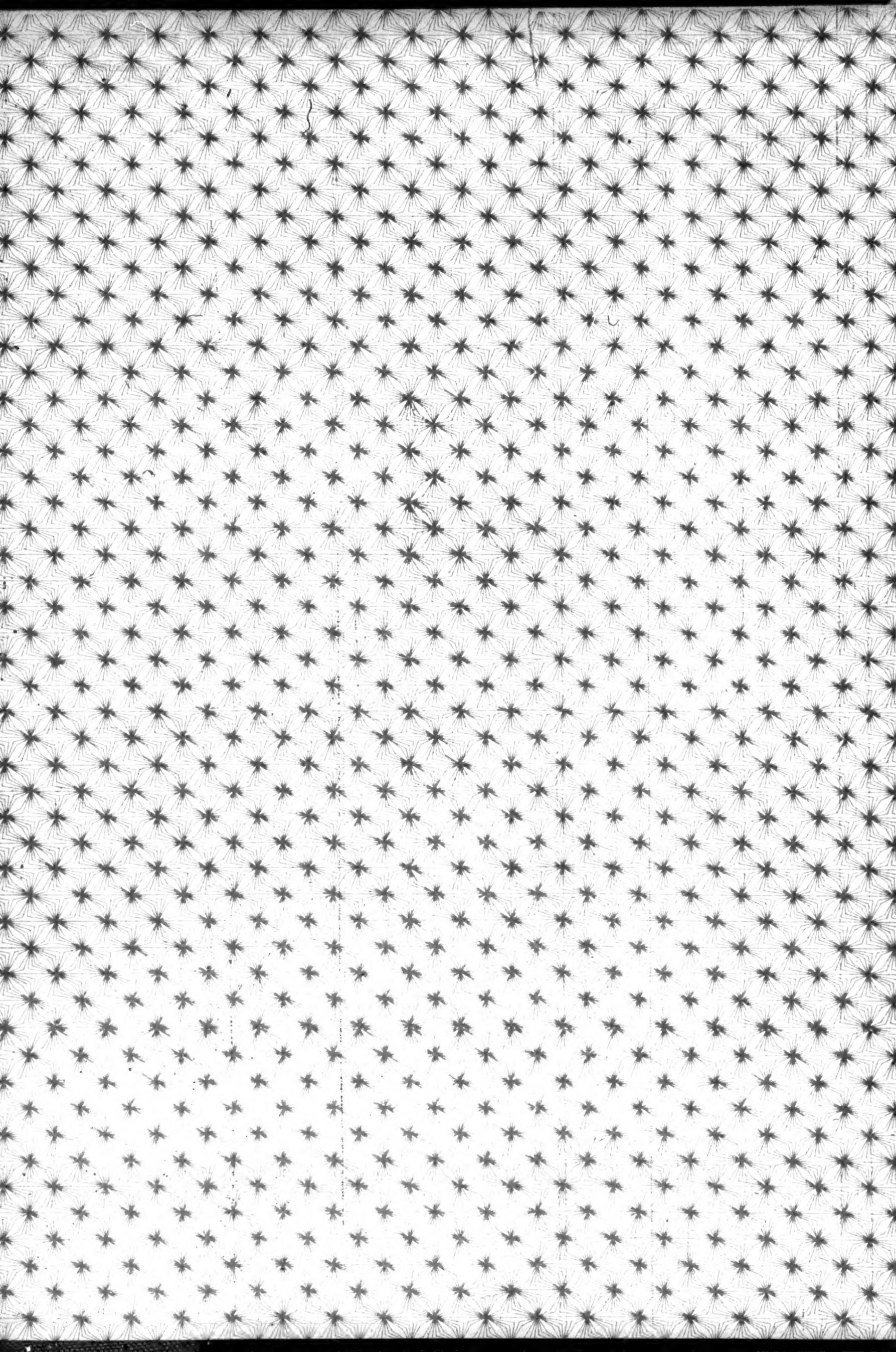
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